

HAI Model Release 5.0a - Expense Module Density Zone Level Calculations

density zone (lines/sq mi)	feeder type	total lines	business lines	residential lines	special access lines	public lines	single line business lines	households	copper feeder cable u/g	copper feeder cable buried	copper feeder cable aerial	fiber feeder cable u/g	fiber feeder cable buried	fiber feeder cable aerial	feeder conduit	feeder manholes	copper feeder u/g placement	fiber feeder u/g placement	copper feeder buried placement	fiber feeder buried placement
0	DLC	1,236	80	1,138	13	5	6	1,117	\$ -	\$ -	\$ -	\$ -	\$ 998,307	\$ 49,192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 534,002
5	DLC	87	27	54	4	2	2	54	\$ -	\$ -	\$ -	\$ -	\$ 57,293	\$ 2,821	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,893
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		1,323	107	1,192	17	7	8	1,170	\$ -	\$ -	\$ -	\$ -	\$ 1,055,600	\$ 52,013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 552,894

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	\$ 52,799	\$ -	\$ 1,202,794	\$ 60,870	\$ -	\$ -	\$ 1,716,560	\$ 91,061	0.00%	31.09%	0.00%	\$ 499,526	\$ 14,450	\$ 103,794	\$ 123,819	\$ 33,989	324,711
5	DLC	\$ 2,106	\$ -	\$ 55,803	\$ 2,824	\$ -	\$ -	\$ 72,452	\$ 4,142	0.00%	43.53%	0.00%	\$ 28,500	\$ 1,000	\$ 7,308	\$ 7,084	\$ 2,066	19,454
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		\$ 54,905	\$ -	\$ 1,258,596	\$ 63,694	\$ -	\$ -	\$ 1,789,012	\$ 95,203				\$ 528,026	\$ 15,450	\$ 111,102	\$ 130,903	\$ 36,055	344,165

HA

density zone (lines/sq mi)	feeder type	total distribution distance	DLC lines	end office switching	MDF/protector inv	end office wire center	land	local tandem switching	local tandem wire center	OS tandem switching	OS tandem wire center	OS trunks	operator position	common transport, u/g	common transport, buried	common transport, aerial	common transport, poles	common transport, conduit																
0	DLC	859,866	1,236	\$	653,230	\$	-	\$	70,251	\$	9,389	\$	2,324	\$	3,058	\$	979	\$	1,223	\$	61,320	\$	1,773	\$	-	\$	-	\$						
5	DLC	35,906	87	\$	44,157	\$	-	\$	4,749	\$	611	\$	157	\$	207	\$	66	\$	83	\$	5,029	\$	120	\$	-	\$	-	\$						
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		895,773	1,323	\$	697,387	\$	-	\$	75,000	\$	10,000	\$	2,481	\$	3,265	\$	1,045	\$	1,306	\$	66,349	\$	1,893	\$	-	\$	419,044	\$	12,709	\$	8,243	\$	-	\$

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		\$ 131,585	\$	\$ 132,777	\$ 3,995	\$ 2,624	\$ -		\$ 44,287		\$ 71,221	\$ 2,242	\$ 1,368	\$ -		\$ 28,996	17
5	DLC		\$ 13,473	\$	\$ 10,362	\$ 329	\$ 198	\$ -		\$ 4,346		\$ 9,550	\$ 303	\$ 183	\$ -		\$ 4,006	1
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		\$ -	\$ 145,059	\$ -	\$ 143,139	\$ 4,324	\$ 2,823	\$ -	\$ -	\$ 48,633	\$ -	\$ 80,771	\$ 2,544	\$ 1,551	\$ -	\$ -	\$ 33,002	18

HA																
density zone (lines/sq mi)	feeder type	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center inv	STP inv	signaling link inv	total public telephone inv	total residential annual DEMs	total business annual DEMs	Total Investment	
0	DLC	5	2	25	17	60	12	3,058	\$ 489	\$ 6,728	\$ 19,480	\$ 4,371	17,943,262	1,985,735	7,144,175	
5	DLC	0	0	2	2	5	1	207	\$ 33	\$ 455	\$ 1,282	\$ 609	856,091	661,912	396,557	
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		5	2	27	19	65	13	3,265	\$ 522	\$ 7,183	\$ 20,762	\$ 4,979	18,799,353	2,647,647	7,540,731	

Universal Service Calculation Sheet - monthly costs per line

**Missouri
Le-Ru Telephone Company**

	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	\$ 97.86	\$ 66.53	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95.88
Port	4.35	4.35	-	-	-	-	-	-	-	4.35
End office usage	5.77	5.77	-	-	-	-	-	-	-	5.77
Signaling	0.13	0.13	-	-	-	-	-	-	-	0.13
Transport	3.47	3.47	-	-	-	-	-	-	-	3.47
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	\$ 114.62	\$ 83.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112.63
@ Residence usage per line	\$ 114.51	\$ 83.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 113.08
@ Business usage per line	\$ 115.74	\$ 84.41	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107.91
Total switched lines	1,223	83	-	-	-	-	-	-	-	1,306
Primary residence lines	1,117	54	-	-	-	-	-	-	-	1,170
Secondary residence lines	22	1	-	-	-	-	-	-	-	22
Single line business lines	6	2	-	-	-	-	-	-	-	8
Multiline business lines	74	25	-	-	-	-	-	-	-	99
Public lines	5	2	-	-	-	-	-	-	-	7
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 1,118,886	\$ 33,584	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,152,470
Secondary residence lines		\$31.00	\$ 21,644	\$ 416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,060
Single line business lines	X	\$51.00	\$ 4,757	\$ 818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,576
Multiline business lines		\$51.00	\$ 57,594	\$ 9,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,501
Public lines		\$51.00	\$ 3,817	\$ 657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,474
Support cost if all lines supported			\$ 1,206,699	\$ 45,382	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,252,081
Total annual support for specified lines										
@25% Federal allocation			\$ 280,911	\$ 8,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 289,512
@Implied 75% State allocation			\$ 842,733	\$ 25,802	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 868,535

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

\$20.00	\$ 1,266,269	\$ 40,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,306,933
\$30.00	\$ 1,132,285	\$ 34,228	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,166,512
\$40.00	\$ 998,300	\$ 27,791	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,026,092
\$50.00	\$ 864,316	\$ 21,355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,671
\$60.00	\$ 730,332	\$ 14,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 745,251
\$70.00	\$ 596,348	\$ 8,482	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 604,830
\$80.00	\$ 462,364	\$ 2,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 464,409

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	1,118,886	\$	33,584	\$	-	\$	-	\$	-	\$	1,152,470	
Secondary residence lines		\$31.00	\$	21,644	\$	416	\$	-	\$	-	\$	-	\$	22,060	
Single line business lines	X	\$51.00	\$	4,757	\$	818	\$	-	\$	-	\$	-	\$	5,576	
Multiline business lines		\$51.00	\$	57,594	\$	9,907	\$	-	\$	-	\$	-	\$	67,501	
Public lines		\$51.00	\$	3,817	\$	657	\$	-	\$	-	\$	-	\$	4,474	
Support cost if all lines supported			\$	1,206,699	\$	45,382	\$	-	\$	-	\$	-	\$	1,252,081	
Total annual support for specified lines				\$	1,123,644	\$	34,403	\$	-	\$	-	\$	-	\$	1,158,046
@75% State allocation				\$	842,733	\$	25,802	\$	-	\$	-	\$	-	\$	868,535
@Implied 25% Federal allocation				\$	280,911	\$	8,601	\$	-	\$	-	\$	-	\$	289,512

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	280,911	\$	8,601	\$	-	\$	-	\$	-	\$	-	\$	289,512
75% State allocation from State Fund Analysis	\$	842,733	\$	25,802	\$	-	\$	-	\$	-	\$	-	\$	868,535
Total Federal + State fund	\$	1,123,644	\$	34,403	\$	-	\$	-	\$	-	\$	-	\$	1,158,046

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Le-Ru Telephone Company**

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	\$ 8,552	\$ 509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,061
Unit Cost/month	0.58	0.49	-	-	-	-	-	-	-	0.57
Loop Distribution (DLC)										
Annual Cost	\$ 860,691	\$ 39,052	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 899,743
Unit Cost/month	58.01	37.38	-	-	-	-	-	-	-	56.65
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 860,691	\$ 39,052	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 899,743
Unit Cost/month	58.01	37.38	-	-	-	-	-	-	-	56.65
Loop Concentration (DLC)										
Annual Cost	\$ 140,238	\$ 8,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,282
Unit Cost/month	9.45	7.70	-	-	-	-	-	-	-	9.34
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 140,238	\$ 8,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,282
Unit Cost/month	9.45	7.70	-	-	-	-	-	-	-	9.34
Loop Feeder (DLC)										
Annual Cost	\$ 417,220	\$ 20,687	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 437,907
Unit Cost/month	28.12	19.80	-	-	-	-	-	-	-	27.57
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 417,220	\$ 20,687	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 437,907
Unit Cost/month	28.12	19.80	-	-	-	-	-	-	-	27.57
Total Loop (DLC)										
Annual Cost	\$ 1,426,700	\$ 68,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,494,992
Unit Cost/month	96.16	65.38	-	-	-	-	-	-	-	94.14
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 1,426,700	\$ 68,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,494,992
Unit Cost/month	96.16	65.38	-	-	-	-	-	-	-	94.14
Total lines	1,236	87	-	-	-	-	-	-	-	1,323
Total lines served by DLC	1,236	87	-	-	-	-	-	-	-	1,323

	Annual Cost	Units	Unit Cost
End office switching	\$ 223,118		
Line Port	66,935	1,306 switched lines	\$ 4.27 per line/month
Non-Line Port	156,183	14,824,245 actual minutes	\$ 0.01054 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 8,604		
Links	5,630	4 links	\$ 118.78 per link per month
STP	1,948	8,391,759 TCAP+ISUP msgs	\$ 0.00023 per signaling message
SCP	1,027	851,600 TCAP queries	\$ 0.00121 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 22,128	19 trunks	\$ 94.89 per DS-0 equivalent per month
Switched	2,277	2 trunks	\$ 0.00945 per minute
Special	19,851	17 trunks	
Transmission Terminal	9,275	19 trunks	\$ 39.77 per DS-0 equivalent per month
			\$ 0.00396 per minute
			\$ 0.01341 total per minute
<i>Common</i>			
Transport	\$ 114,709	6,424,217 minutes	\$ 0.00981 per minute per leg (orig or term)
Transmission Terminal	40,764	6,424,217 minutes	\$ 0.00349 per minute
			\$ 0.01330 total per minute
<i>Direct</i>			
Transport	\$ 39,180	862,821 minutes	\$ 0.04541 per minute
Transmission Terminal	13,667	862,821 minutes	\$ 0.01584 per minute
			\$ 0.06125 total per minute
Tandem switch	\$ 1,831	5,604,824 minutes	\$ 0.00033 per minute
Operator systems	\$ 22,548		
Public Telephones	\$ 2,533		
Total (w/ Public)	\$ 1,993,350		
Total cost of switched network elements (w/o Public)	\$ 123.98	per line/month	

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.01054	\$ 0.01054	
ISUP	\$ 0.00113	\$ 0.00113	
Common Transport	\$ -	\$ 0.01330	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.01166	\$ 0.02529	n/a

IXC switched access			
EO switching	\$ 0.01054	\$ 0.01054	
ISUP	\$ 0.00113	\$ 0.00113	
Dedicated Transport	\$ 0.01341	\$ 0.01341	
Common Transport	\$ -	\$ 0.01330	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.02507	\$ 0.03869	\$ 0.03869

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0029		
ISUP cost/transaction	\$ 0.00587		
ISUP cost/completion	0.0084		
IXC switched access MOU/comp	7.45		
ISUP cost/min	\$ 0.001125		
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 156,183
Total DEMs 21,447,000
Cost per DEM \$ 0.00728

Dedicated Transport Costs Per Trunk	
DS-0 per month	
Transport per month	\$ 94.89
Terminal per month *	\$ 493.21
TOTAL	\$ 588.10

DS-1 per month	
Transport per month	\$ 2,277.47
Terminal per month	\$ 954.59
TOTAL	\$ 3,232.06

DS-3 per month	
Transport per month	\$ 63,769.06
Terminal per month	\$ 2,699.86
TOTAL	\$ 66,468.92

Trunk Port Costs	
per trunk port (DS-0 equivalent) per month	\$ 2.67
per trunk port minute	\$ 0.000265

total EO usage per minute	\$ 0.010536
trk port/min	\$ 0.000265
other	\$ 0.010270

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	weighted average
calculated distribution fill (DLC)	31.1%	43.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	31.9%
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	33,002
Total Lines	1,323
Total Dedicated Terminal Investment per line	\$ 25
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 1,698
Transport Investment per DS-0	\$ 4,367

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	\$ 5,438	\$ 331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,769
Network Expenses	\$ 1,137	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,197
Direct expense	\$ 6,575	\$ 391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,966
Investment	\$ 33,989	\$ 2,066	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,055
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 1,931	\$ 115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,045
Total	\$ 8,506	\$ 506	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,011
with carrier-to-carrier	\$ 8,515	\$ 506	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,021
Distribution (DLC)										
Annual Capital Cost	\$ 531,799	\$ 24,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,921
Network Expenses	\$ 129,908	\$ 5,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,801
Direct expense	\$ 661,707	\$ 30,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	691,722
Investment	\$ 3,298,898	\$ 149,612	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,448,510
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 194,294	\$ 8,813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	203,107
Total	\$ 856,001	\$ 38,828	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	894,829
with carrier-to-carrier	\$ 856,959	\$ 38,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895,842
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	\$ 531,799	\$ 24,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,921
Network Expenses	\$ 129,908	\$ 5,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,801
Direct expense	\$ 661,707	\$ 30,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	691,722
Investment	\$ 3,298,898	\$ 149,612	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,448,510
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 194,294	\$ 8,813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	203,107
Total	\$ 856,001	\$ 38,828	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	894,829
with carrier-to-carrier	\$ 856,959	\$ 38,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895,842
Concentrator (DLC)										
Annual Capital Cost	\$ 99,890	\$ 5,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,617
Network Expenses	\$ 7,926	\$ 456	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,382
Direct expense	\$ 107,816	\$ 6,183	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	113,999
Investment	\$ 513,976	\$ 29,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	543,476
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 31,657	\$ 1,815	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,473
Total	\$ 139,473	\$ 7,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147,472
with carrier-to-carrier	\$ 139,630	\$ 8,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147,639
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	\$ 99,890	\$ 5,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,617
Network Expenses	\$ 7,926	\$ 456	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,382
Direct expense	\$ 107,816	\$ 6,183	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	113,999
Investment	\$ 513,976	\$ 29,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	543,476
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 31,657	\$ 1,815	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,473
Total	\$ 139,473	\$ 7,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147,472
with carrier-to-carrier	\$ 139,630	\$ 8,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147,639
Feeder (DLC)										
Annual Capital Cost	\$ 255,916	\$ 12,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,590
Network Expenses	\$ 64,846	\$ 3,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,073
Direct expense	\$ 320,763	\$ 15,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	336,662
Investment	\$ 1,634,300	\$ 81,112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,715,412
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 94,184	\$ 4,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	98,853
Total	\$ 414,947	\$ 20,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	435,515
with carrier-to-carrier	\$ 415,411	\$ 20,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	436,009
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	\$ 255,916	\$ 12,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,590
Network Expenses	\$ 64,846	\$ 3,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,073
Direct expense	\$ 320,763	\$ 15,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	336,662
Investment	\$ 1,634,300	\$ 81,112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,715,412
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 94,184	\$ 4,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	98,853
Total	\$ 414,947	\$ 20,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	435,515
with carrier-to-carrier	\$ 415,411	\$ 20,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	436,009
End Office Switching										
Annual Capital Cost	\$ 117,895	\$ 7,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,861
Network Expenses	\$ 38,775	\$ 2,621	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41,396
Direct expense	\$ 156,670	\$ 10,587	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	167,257
Investment	\$ 732,870	\$ 49,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	782,387
Support expenses	\$ 31,572	\$ 2,171	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,743
Subtotal, with misc spt	\$ 188,242	\$ 12,758	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	201,000
Total, with var overhead	\$ 207,820	\$ 14,085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	221,904
with carrier-to-carrier	\$ 208,046	\$ 14,104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	222,151
Signaling										
Annual Capital Cost	\$ 4,774	\$ 317	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,092
Network Expenses	\$ 1,274	\$ 85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,359
Direct expense	\$ 6,048	\$ 402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,450
Investment	\$ 29,755	\$ 1,977	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,732
Support expenses	\$ 1,219	\$ 82	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,301
Subtotal, with misc spt	\$ 7,267	\$ 484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,751
Total, with var overhead	\$ 8,023	\$ 535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,558
with carrier-to-carrier	\$ 8,032	\$ 535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,567
Dedicated Transport										
Annual Capital Cost	\$ 11,658	\$ 1,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,221
Network Expenses	\$ 2,966	\$ 398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,364
Direct expense	\$ 14,624	\$ 1,961	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,585
Investment	\$ 74,831	\$ 10,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,866
Support expenses	\$ 2,947	\$ 402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,349
Subtotal, with misc spt	\$ 17,571	\$ 2,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,935
Total, with var overhead	\$ 19,399	\$ 2,609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,008
with carrier-to-carrier	\$ 19,420	\$ 2,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,032
Dedicated Transport Transmission										
Annual Capital Cost	\$ 5,664	\$ 782	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,447
Network Expenses	\$ 444	\$ 61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	505
Direct expense	\$ 6,108	\$ 844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,952
Investment	\$ 28,996	\$ 4,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,002
Support expenses	\$ 1,231	\$ 173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,404
Subtotal, with misc spt	\$ 7,339	\$ 1,017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,355
Total, with var overhead	\$ 8,102	\$ 1,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,224
with carrier-to-carrier	\$ 8,111	\$ 1,124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,235
Direct Transport										
Annual Capital Cost	\$ 21,720	\$ 1,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,416
Network Expenses	\$ 5,522	\$ 432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,953
Direct expense	\$ 27,242	\$ 2,128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,369
Investment	\$ 139,397	\$ 10,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	150,285
Support expenses	\$ 5,490	\$ 436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,926
Subtotal, with misc spt	\$ 32,731	\$ 2,564	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,296
Total, with var overhead	\$ 36,135	\$ 2,831	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,966
with carrier-to-carrier	\$ 36,175	\$ 2,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,010
Direct Transport Transmission										
Annual Capital Cost	\$ 8,651	\$ 849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,500
Network Expenses	\$ 678	\$ 66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	744
Direct expense	\$ 9,329	\$ 916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,244
Investment	\$ 44,287	\$ 4,346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,633
Support expenses	\$ 1,880	\$ 188	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,068
Subtotal, with misc spt	\$ 11,209	\$ 1,103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,312
Total, with var overhead	\$ 12,374	\$ 1,218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,592
with carrier-to-carrier	\$ 12,388	\$ 1,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,607
Common Transport										
Annual Capital Cost	\$ 63,297	\$ 5,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,555
Network Expenses	\$ 16,093	\$ 1,338	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,431
Direct expense	\$ 79,390	\$ 6,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,986
Investment	\$ 406,241	\$ 33,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	439,996
Support expenses	\$ 15,998	\$ 1,353	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,351
Subtotal, with misc spt	\$ 95,388	\$ 7,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	103,338
Total, with var overhead	\$ 105,308	\$ 8,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	114,085
with carrier-to-carrier	\$ 105,423	\$ 8,788	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	114,212

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	\$ 25,704	\$ 2,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,336
Network Expenses	\$ 2,013	\$ 206	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,219
Direct expense	\$ 27,717	\$ 2,838	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,555
Investment	\$ 131,585	\$ 13,473	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145,059
Support expenses	\$ 5,586	\$ 582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,168
Subtotal, with misc spt	\$ 33,303	\$ 3,420	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,723
Total, with var overhead	\$ 36,766	\$ 3,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40,542
with carrier-to-carrier	\$ 36,806	\$ 3,781	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40,587
Tandem Switching										
Annual Capital Cost	\$ 838	\$ 57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895
Network Expenses	\$ 448	\$ 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	478
Direct expense	\$ 1,286	\$ 87	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,373
Investment	\$ 5,383	\$ 364	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,746
Support expenses	\$ 259	\$ 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	277
Subtotal, with misc spt	\$ 1,545	\$ 105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,650
Total, with var overhead	\$ 1,705	\$ 116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,821
with carrier-to-carrier	\$ 1,707	\$ 116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,823
Operator Systems										
Annual Capital Cost	\$ 10,262	\$ 830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,093
Network Expenses	\$ 5,813	\$ 427	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,240
Direct expense	\$ 16,075	\$ 1,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,333
Investment	\$ 65,295	\$ 5,298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,593
Support expenses	\$ 2,755	\$ 225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,980
Subtotal, with misc spt	\$ 18,830	\$ 1,482	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,313
Total, with var overhead	\$ 20,789	\$ 1,637	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,425
with carrier-to-carrier	\$ 20,812	\$ 1,639	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,451
Public Telephone										
Annual Capital Cost	\$ 894	\$ 124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,018
Network Expenses	\$ 822	\$ 115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	937
Direct expense	\$ 1,716	\$ 239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,955
Investment	\$ 4,371	\$ 609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,979
Support expenses	\$ 294	\$ 43	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	337
Subtotal, with misc spt	\$ 2,010	\$ 282	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,292
Total, with var overhead	\$ 2,219	\$ 311	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,530
with carrier-to-carrier	\$ 2,221	\$ 311	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,533
Totals										
Annual Capital Cost	\$ 1,164,400	\$ 64,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,229,329
Network Expenses	\$ 278,665	\$ 15,415	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	294,080
Total	\$ 1,443,065	\$ 80,343	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,523,408
Investment	\$ 7,144,175	\$ 396,557	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,540,731
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 59,917	\$ 3,326	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63,243
Network Operations	\$ 38,460	\$ 2,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41,167
Network Support	\$ 4,159	\$ 232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,391
Other Taxes	\$ 84,519	\$ 4,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	89,254
Misc Expenses	\$ 60,255	\$ 3,355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63,609
Subtotal	\$ 247,309	\$ 14,355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	261,664
Carrier-carrier customer svc	\$ 2,089	\$ 147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,237
Interoffice/Switching Net Ops	\$ 9,899	\$ 697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,596
Interoffice/Sw Exp	\$ 328,413	\$ 26,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	354,772
Total Network Costs										
	\$ 1,700,273	\$ 95,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,795,668
Other costs										
Other Taxes	\$ 84,519	\$ 4,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	89,254
Monthly Cost Factors										
Loop	0.02207	0.02208	-	-	-	-	-	-	-	0.02209
Port	0.00726	0.00726	-	-	-	-	-	-	-	0.00726
Switching	0.00963	0.00964	-	-	-	-	-	-	-	0.00963
Signaling	0.00545	0.00555	-	-	-	-	-	-	-	0.00546
Transport	0.00510	0.00373	-	-	-	-	-	-	-	0.00499
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	99.8910%	99.8626%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8889%

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

	Total Annual Amount assigned to loops	% to be assigned per line	% to be assigned per direct cost	Annual Amount to be assigned per line	Annual Amount to be assigned per direct cost
General Support - Loops					
Furniture - Capital Costs	\$ 2,053	0%	100%	\$ -	\$ 2,053
Furniture - Expenses	\$ 1,576	0%	100%	\$ -	\$ 1,576
Office Equipment - Capital Costs	\$ 5,861	0%	100%	\$ -	\$ 5,861
Office Equipment - Expenses	\$ 3,340	0%	100%	\$ -	\$ 3,340
General Purpose Computer - Capital Costs	\$ 12,248	0%	100%	\$ -	\$ 12,248
General Purpose Computer - Expenses	\$ 32,290	0%	100%	\$ -	\$ 32,290
Motor Vehicles - Capital Costs	\$ 7,391	0%	100%	\$ -	\$ 7,391
Motor Vehicles - Expenses	\$ 2,582	0%	100%	\$ -	\$ 2,582
Buildings - Capital Costs	\$ 14,773	0%	100%	\$ -	\$ 14,773
Buildings - Expenses	\$ 10,784	0%	100%	\$ -	\$ 10,784
Garage Work Eqpt. - Capital Costs	\$ 216	0%	100%	\$ -	\$ 216
Garage Work Eqpt. - Expenses	\$ 75	0%	100%	\$ -	\$ 75
Other Work Eqpt. - Capital Costs	\$ 5,171	0%	100%	\$ -	\$ 5,171
Other Work Eqpt. - Expenses	\$ 655	0%	100%	\$ -	\$ 655
Total General Support	\$ 99,017			\$ -	\$ 99,017
Network Operations	\$ 31,059	0%	100%	\$ -	\$ 31,059
Other Taxes	\$ 67,338	0%	100%	\$ -	\$ 67,338
Variable Overhead	\$ 140,063	0%	100%	\$ -	\$ 140,063
Totals	\$ 197,414			\$ -	\$ 337,478

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Direct Costs										
Loop-related direct costs	\$ 1,096,861	\$ 52,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,149,349
Non-Loop-related direct costs	\$ 346,204	\$ 27,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 374,059
Total	\$ 1,443,065	\$ 80,343	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,523,408
Loop Fraction	76.01%	65.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	75.45%
Network Operations	\$ 38,460	\$ 2,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,167

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 2,721	\$ 2,053	\$ 668
Furniture - Expenses	\$ 2,089	\$ 1,576	\$ 513
Office Equipment - Capital Costs	\$ 7,769	\$ 5,861	\$ 1,908
Office Equipment - Expenses	\$ 4,427	\$ 3,340	\$ 1,087
General Purpose Computer - Capital Costs	\$ 16,234	\$ 12,248	\$ 3,986
General Purpose Computer - Expenses	\$ 42,799	\$ 32,290	\$ 10,509
Motor Vehicles - Capital Costs	\$ 9,796	\$ 7,391	\$ 2,405

Exp Assignment

Motor Vehicles - Expenses	\$ 3,423	\$ 2,582	\$ 840	
Buildings - Capital Costs	\$ 19,581	\$ 14,773	\$ 4,808	
Buildings - Expenses	\$ 14,294	\$ 10,784	\$ 3,510	
Garage Work Eqpt. - Capital Costs	\$ 287	\$ 216	\$ 70	
Garage Work Eqpt. - Expenses	\$ 100	\$ 75	\$ 25	
Other Work Eqpt. - Capital Costs	\$ 6,854	\$ 5,171	\$ 1,683	
Other Work Eqpt. - Expenses	\$ 868	\$ 655	\$ 213	
Total General Support	\$ 131,243	\$ 99,017	\$ 32,225	
Network Operations	\$ 41,167	\$ 31,059	\$ 10,108	
Other Taxes Calculation				
Total Direct Costs	\$ 1,523,408	\$ 1,149,349	\$ 374,059	\$ 1,523,408
Total Network Operations	\$ 41,167	\$ 31,059	\$ 10,108	\$ 41,167
Total General Support	\$ 131,243	\$ 99,017	\$ 32,225	\$ 157,254
Total	\$ 1,695,818	\$ 1,279,425	\$ 416,393	
Other Taxes	\$ 89,254	\$ 67,338	\$ 21,915	\$ 246,507
Total Expenses and Other Taxes	\$ 1,785,072	\$ 1,346,763	\$ 438,309	
Variable Overhead Calculation				
Variable Overhead	\$ 185,647	\$ 140,063	\$ 45,584	
Total Cost with Variable Overhead	1,970,719	1,486,827	483,893	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 2,045
total \$ 2,045

Distribution (DLC)

per line cost \$ -
per direct cost \$ 203,107
total \$ 203,107

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 33,473
total \$ 33,473

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 98,853
total \$ 98,853

Feeder (non-DLC)

Exp Assignment

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

End Office Switching	\$	216,368
Signaling	\$	8,344
Dedicated Transport	\$	21,455
Dedicated Transport Transmission	\$	8,993
Direct Transport	\$	37,993
Direct Transport Transmission	\$	13,252
Common Transport	\$	111,234
Common Transport Transmission	\$	39,527
Tandem Switching	\$	1,776
Operator Systems	\$	22,422
Public Telephone	\$	2,529

COST SUMMARY

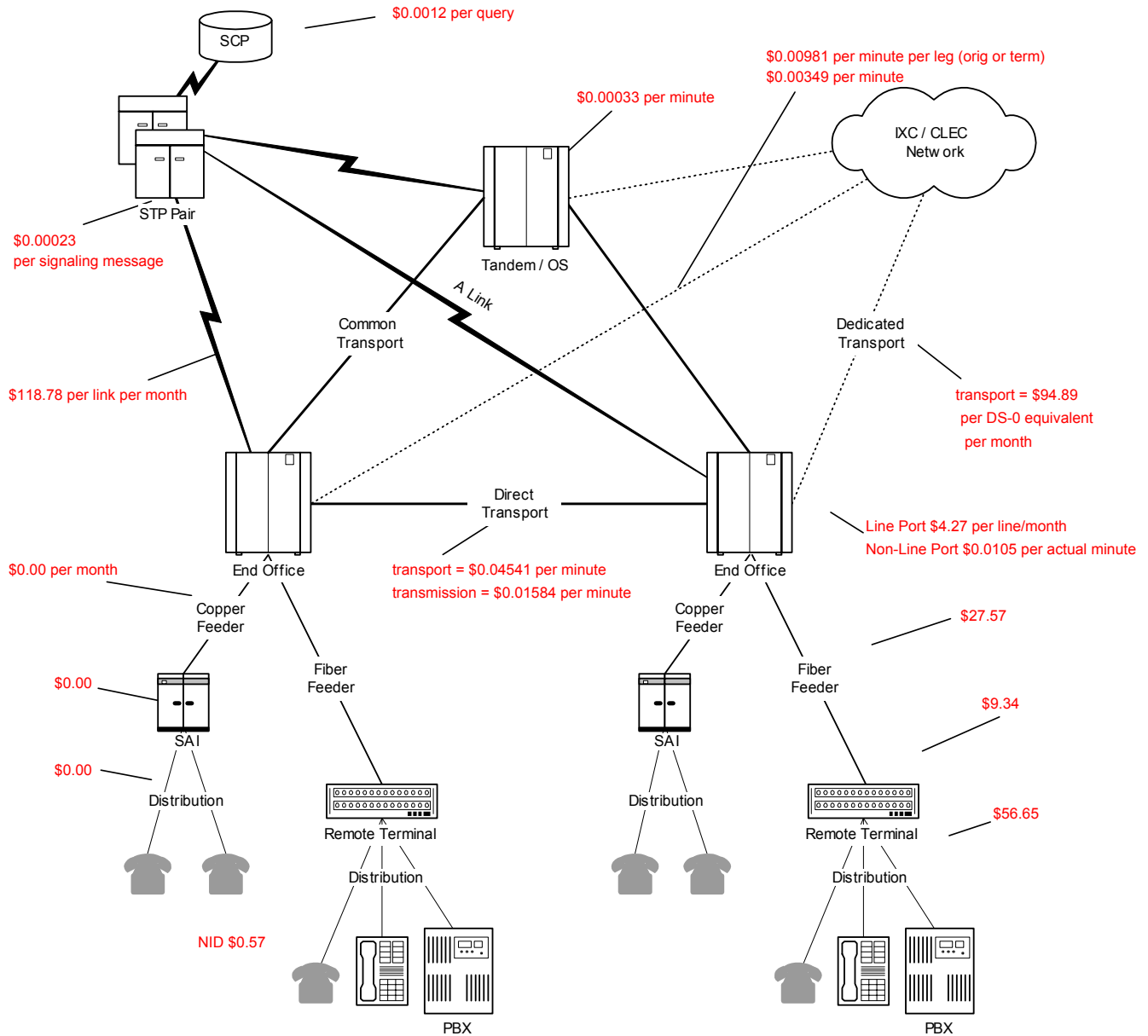
Missouri Le-Ru Telephone Company

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	\$ 36,055	0.5%	\$ 5,769	\$ 1,197	\$ 6,966	\$ 2,045	\$ 9,011	\$ 9,021
<i>Distribution (DLC)</i>	3,448,510	45.7%	555,921	135,801	691,722	203,107	894,829	895,842
<i>Distribution (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Distribution (all)	3,448,510	45.7%	555,921	135,801	691,722	203,107	894,829	895,842
<i>Concentrator (DLC)</i>	543,476	7.2%	105,617	8,382	113,999	33,473	147,472	147,639
<i>Concentrator (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Concentrator (all)	543,476	7.2%	105,617	8,382	113,999	33,473	147,472	147,639
<i>Feeder (DLC)</i>	1,715,412	22.7%	268,590	68,073	336,662	98,853	435,515	436,009
<i>Feeder (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Feeder (all)	1,715,412	22.7%	268,590	68,073	336,662	98,853	435,515	436,009
End Office Switching	782,387	10.4%	125,861	41,396	167,257	33,743	201,000	222,151
Signaling	31,732	0.4%	5,092	1,359	6,450	1,301	7,751	8,567
Dedicated Transport	84,866	1.1%	13,221	3,364	16,585	3,349	19,935	22,032
Dedicated Transport Transmission	33,002	0.4%	6,447	505	6,952	1,404	8,355	9,235
Direct Transport	150,285	2.0%	23,416	5,953	29,369	5,926	35,296	39,010
Direct Transport Transmission	48,633	0.6%	9,500	744	10,244	2,068	12,312	13,607
Common Transport	439,996	5.8%	68,555	17,431	85,986	17,351	103,338	114,212
Common Transport Transmission	145,059	1.9%	28,336	2,219	30,555	6,168	36,723	40,587
Tandem Switching	5,746	0.1%	895	478	1,373	277	1,650	1,823
Operator Systems	70,593	0.9%	11,093	6,240	17,333	2,980	20,313	22,451
Public Telephone	4,979	0.1%	1,018	937	1,955	337	2,292	2,533
Total Network Cost								
Total	\$ 7,540,731	100%	\$ 1,229,329	\$ 294,080	\$ 1,523,408	\$ 412,382	\$ 1,935,790	\$ 1,984,719

* Post sharing

Unbundled Network Elements

Missouri / Le-ru Telephone Company



USOA Detail Breakdown of HAI Model Costs

**Le-ru Telephone Company
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	10
2112	MOTOR VEHICLES	51
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	1
2116	OTHER WORK EQUIPMENT	40
2121	BUILDINGS	210
2122	FURNITURE	17
2123.1	OFFICE SUPPORT EQUIPMENT	44
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	67
2110	TOTAL LAND & SUPPORT ASSETS	440
2212	DIGITAL ELECTRONIC SWITCHING	710
2220	OPERATOR SYSTEMS	3
2232	CIRCUIT EQUIPMENT	769
2351	PUBLIC TEL TERMINAL EQUIPMENT	5
2411	POLES	164
2421.1	AERIAL CABLE - METALLIC	69
2421.2	AERIAL CABLE - NonMETALLIC	74
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	3,320
2423.2	BURIED CABLE - NonMETALLIC	2,336
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	5,963
	Total TPIS (before amortizable assets)*	7,891

* 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	3
6113	AIRCRAFT	1
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	6
6121	LAND & BUILDINGS	26
6122	FURNITURE	2
6123	OFFICE EQUIPMENT	5
6124	GENERAL PURPOSE COMPUTERS	51
6120	LAND & SUPPORT ASSETS	85
6212	DIGITAL ELECTRONIC SWITCHING	34
6220	OPERATOR SYSTEMS	4
6232	CIRCUIT EQUIPMENT	12
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	7
6421	AERIAL CABLE	9
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	219
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	235
	Total Plant Specific Expenses	376
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	52
6561	DEPRECIATION TPIS	463
6623	CUSTOMER SERVICES	2
	Total Plant Nonspecific Operations	517
	TOTAL CORPORATE OPERATIONS	187
	TOTAL OPERATING EXPENSES	1,079
7240	OPERATING OTHER TAXES	89
	TOTAL EXPENSES & OPERATING TAXES	1,169

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	5
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	3
2121	48.73	0.02052	4
2122	18.36	0.05449	1
2123.1	12.44	0.08052	4
2123.2	7.99	0.12517	-
2124	6.61	0.15223	10
2110			
2212	17.17	0.05827	41
2220	9.25	0.10829	0
2232	9.90	0.10108	78
2351	8.98	0.11145	1
2411	8.38	0.11972	20
2421.1	13.61	0.07355	5
2421.2	18.92	0.05286	4
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	181
2423.2	21.97	0.04551	106
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>463</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	278,059	Aerial portion	10,577
Buried-m portion	5,692	Buried portion	509
	272,367		10,068
<i>OS Trks + Signaling links</i>		<i>OS Trks + Signaling links</i>	
Circuit Eqpt. portion	87,111	Circuit Eqpt. portion	3,376
Pole portion	14,518	Pole portion	563
Aerial-nm portion	1,357	Aerial-nm portion	55
Underground-nm portion	2,105	Underground-nm portion	130
Buried-nm portion	-	Buried-nm portion	-
Conduit portion	69,131	Conduit portion	2,629
	-		-
<i>SAI</i>		<i>SAI</i>	
Aerial-m portion	15,450	Aerial portion	303
Aerial-nm portion	-	Underground portion	9
Underground-m portion	484	Buried portion	-
Underground-nm portion	-		293
Buried-m portion	-		
Buried-nm portion	14,966		

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	\$ 16,168	\$ 897	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,066
office equipment	41,323	2,294	-	-	-	-	-	-	-	43,617
general purpose computers	63,546	3,527	-	-	-	-	-	-	-	67,073
motor vehicles	48,622	2,699	-	-	-	-	-	-	-	51,321
buildings	122,810	6,817	-	-	-	-	-	-	-	129,627
garage work equipment	1,395	77	-	-	-	-	-	-	-	1,473
orther work equipment	37,890	2,103	-	-	-	-	-	-	-	39,993
										-
TOTAL	\$ 331,754	\$ 18,415	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	350,169
Levelized Cost of Capital										
furniture	\$ 2,578	\$ 143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,721
office equipment	7,360	409	-	-	-	-	-	-	-	7,769
general purpose computers	15,381	854	-	-	-	-	-	-	-	16,234
motor vehicles	9,281	515	-	-	-	-	-	-	-	9,796
buildings	18,551	1,030	-	-	-	-	-	-	-	19,581
garage work equipment	272	15	-	-	-	-	-	-	-	287
orther work equipment	6,494	360	-	-	-	-	-	-	-	6,854
TOTAL	\$ 59,917	\$ 3,326	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63,243

Distribution

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals
	lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		
Fiber Feeder																			
Distribution Investment																			
buried cable	\$	1,202,794	\$	55,803	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	1,258,596
aerial cable		60,870		2,824		-		-		-		-		-		-		-	63,694
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		1,716,560		72,452		-		-		-		-		-		-		-	1,789,012
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		91,061		4,142		-		-		-		-		-		-		-	95,203
terminal		103,794		7,308		-		-		-		-		-		-		-	111,102
drop		123,819		7,084		-		-		-		-		-		-		-	130,903
TOTAL	\$	3,298,898	\$	149,612	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	3,448,510
		95.66%		4.34%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	100.00%
Levelized Cost of Capital																			
buried cable	\$	191,818	\$	8,899	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	200,717
aerial cable		10,510		488		-		-		-		-		-		-		-	10,998
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		273,752		11,554		-		-		-		-		-		-		-	285,307
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		19,299		878		-		-		-		-		-		-		-	20,177
terminal		16,608		1,169		-		-		-		-		-		-		-	17,777
drop		19,812		1,133		-		-		-		-		-		-		-	20,945
TOTAL	\$	531,799	\$	24,122	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	555,921
Network Expenses																			
buried cable		46,763		2,170		-		-		-		-		-		-		-	48,932
aerial cable		3,828		178		-		-		-		-		-		-		-	4,006
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		66,737		2,817		-		-		-		-		-		-		-	69,554
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		3,758		171		-		-		-		-		-		-		-	3,929
terminal		4,023		283		-		-		-		-		-		-		-	4,306
drop		4,799		275		-		-		-		-		-		-		-	5,074
TOTAL	\$	129,908	\$	5,893	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	135,801
Summary																			
Cost of Capital	\$	531,799	\$	24,122	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	555,921
Network Expense		129,908		5,893		-		-		-		-		-		-		-	135,801
TOTAL	\$	661,707	\$	30,015	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	691,722
Copper Feeder																			
Distribution Investment																			
buried cable	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	-
aerial cable		-		-		-		-		-		-		-		-		-	-
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		-		-		-		-		-		-		-		-		-	-
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		-		-		-		-		-		-		-		-		-	-
terminal		-		-		-		-		-		-		-		-		-	-
drop		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	-
		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	0.00%
Levelized Cost of Capital																			
buried cable	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	-
aerial cable		-		-		-		-		-		-		-		-		-	-
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		-		-		-		-		-		-		-		-		-	-
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		-		-		-		-		-		-		-		-		-	-
terminal		-		-		-		-		-		-		-		-		-	-
drop		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	-
Network Expenses																			
buried cable	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	-
aerial cable		-		-		-		-		-		-		-		-		-	-

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total Distribution Investment										
buried cable	\$ 1,202,794	\$ 55,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,258,596
aerial cable	\$ 60,870	\$ 2,624	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63,694
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 1,716,560	\$ 72,452	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,789,012
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 91,061	\$ 4,142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	95,203
terminal	\$ 103,794	\$ 7,308	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	111,102
drop	\$ 123,819	\$ 7,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	130,903
TOTAL	\$ 3,298,898	\$ 149,612	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,448,510
	95.66%	4.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 191,818	\$ 8,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200,717
aerial cable	\$ 10,510	\$ 488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,998
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 273,752	\$ 11,554	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	285,307
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 19,299	\$ 878	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,177
terminal	\$ 16,608	\$ 1,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,777
drop	\$ 19,812	\$ 1,133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,945
TOTAL	\$ 531,799	\$ 24,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,921
Network Expenses										
buried cable	\$ 46,763	\$ 2,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,932
aerial cable	\$ 3,828	\$ 178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,006
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 66,737	\$ 2,817	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	69,554
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 3,758	\$ 171	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,929
terminal	\$ 4,023	\$ 283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,306
drop	\$ 4,799	\$ 275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,074
TOTAL	\$ 129,908	\$ 5,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,801
Summary										
Cost of Capital	\$ 531,799	\$ 24,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	555,921
Network Expense	\$ 129,908	\$ 5,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,801
TOTAL	\$ 661,707	\$ 30,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	691,722
NID Cost										
NID Investment	\$ 33,989	\$ 2,066	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,055
Levelized Cost of Capital	\$ 5,438	\$ 331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,769
Network Expenses	\$ 1,137	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,197
TOTAL	\$ 6,575	\$ 391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,966

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	\$ 499,526	\$ 28,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	528,026
SAI Investment	14,450	1,000	-	-	-	-	-	-	-	15,450
TOTAL	\$ 513,976 94.57%	\$ 29,500 5.43%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	543,476 100.00%
Levelized Cost of Capital										
DLC	\$ 97,578	\$ 5,567	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	103,145
SAI	2,312	160	-	-	-	-	-	-	-	2,472
TOTAL	\$ 99,890	\$ 5,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,617
Network Expenses										
DLC	\$ 7,643	\$ 436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,079
SAI	283	20	-	-	-	-	-	-	-	303
TOTAL	\$ 7,926	\$ 456	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,382
Summary										
Cost of Capital	\$ 99,890	\$ 5,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	105,617
Network Expense	7,926	456	-	-	-	-	-	-	-	8,382
TOTAL	\$ 107,816	\$ 6,183	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	113,999
	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	\$ 499,526	\$ 28,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	528,026
SAI Investment	14,450	1,000	-	-	-	-	-	-	-	15,450
TOTAL	\$ 513,976 94.57%	\$ 29,500 5.43%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	543,476 100.00%

Concentrator

	0-5 lines/sq m		5-100 lines/sq m		100-200 lines/sq m		200-650 lines/sq m		650-850 lines/sq m		850-2550 lines/sq m		2550-5000 lines/sq m		5000-10000 lines/sq m		>10000 lines/sq m		Totals
Levelized Cost of Capital																			
DLC	\$	97,578	\$	5,567	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	103,145
SAI		2,312		160		-		-		-		-		-		-		-	2,472
TOTAL	\$	99,890	\$	5,727	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	105,617
Network Expenses																			
DLC	\$	7,643	\$	436	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	8,079
SAI		283		20		-		-		-		-		-		-		-	303
TOTAL	\$	7,926	\$	456	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	8,382
Summary																			
Cost of Capital	\$	99,890	\$	5,727	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	105,617
Network Expense		7,926		456		-		-		-		-		-		-		-	8,382
TOTAL	\$	107,816	\$	6,183	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	113,999

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	908,307	57,293	-	-	-	-	-	-	-	1,055,600
fiber buried cable	49,192	2,821	-	-	-	-	-	-	-	52,013
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	534,002	18,893	-	-	-	-	-	-	-	552,894
poles	52,799	2,106	-	-	-	-	-	-	-	54,905
TOTAL	\$ 1,634,300	\$ 81,112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,715,412
	95.27%	4.73%	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	154,361	8,859	-	-	-	-	-	-	-	163,220
fiber aerial cable	7,797	447	-	-	-	-	-	-	-	8,244
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	82,569	2,921	-	-	-	-	-	-	-	85,490
poles	11,190	446	-	-	-	-	-	-	-	11,636
TOTAL	\$ 255,916	\$ 12,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,590
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	38,813	2,227	-	-	-	-	-	-	-	41,040
fiber aerial cable	3,094	177	-	-	-	-	-	-	-	3,271
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	20,761	735	-	-	-	-	-	-	-	21,496
poles	2,179	87	-	-	-	-	-	-	-	2,266
TOTAL	\$ 64,846	\$ 3,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,073
Summary										
Cost of Capital	\$ 255,916	\$ 12,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,590
Network Expense	64,846	3,226	-	-	-	-	-	-	-	68,073
TOTAL	\$ 320,763	\$ 15,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	336,662

	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	998,307	57,293	-	-	-	-	-	-	-	1,055,600
fiber aerial cable	49,192	2,821	-	-	-	-	-	-	-	52,013
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	534,002	18,893	-	-	-	-	-	-	-	552,894
poles	52,799	2,106	-	-	-	-	-	-	-	54,905
TOTAL	\$ 1,634,300	\$ 81,112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,715,412
	95.27%	4.73%	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	154,361	8,859	-	-	-	-	-	-	-	163,220
fiber aerial cable	7,797	447	-	-	-	-	-	-	-	8,244
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	82,569	2,921	-	-	-	-	-	-	-	85,490
poles	11,190	446	-	-	-	-	-	-	-	11,636
TOTAL	\$ 255,916	\$ 12,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,590
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	38,813	2,227	-	-	-	-	-	-	-	41,040
fiber aerial cable	3,094	177	-	-	-	-	-	-	-	3,271
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	20,761	735	-	-	-	-	-	-	-	21,496
poles	2,179	87	-	-	-	-	-	-	-	2,266
TOTAL	\$ 64,846	\$ 3,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,073
Summary										
Cost of Capital	\$ 255,916	\$ 12,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	268,590
Network Expense	64,846	3,226	-	-	-	-	-	-	-	68,073
TOTAL	\$ 320,763	\$ 15,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	336,662

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	\$ 653,230	\$ 44,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	697,387
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	70,251	4,749	-	-	-	-	-	-	-	75,000
land	9,389	611	-	-	-	-	-	-	-	10,000
TOTAL	\$ 732,870	\$ 49,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	782,387
	93.67%	6.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 105,704	\$ 7,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	112,849
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	10,612	717	-	-	-	-	-	-	-	11,329
land	1,580	103	-	-	-	-	-	-	-	1,683
TOTAL	\$ 117,895	\$ 7,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,861
Network Expenses										
end office switching	\$ 31,028	\$ 2,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,126
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	7,747	524	-	-	-	-	-	-	-	8,270
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 38,775	\$ 2,621	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41,396
Summary										
Cost of Capital	\$ 117,895	\$ 7,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,861
Network Expense	38,775	2,621	-	-	-	-	-	-	-	41,396
TOTAL	\$ 156,670	\$ 10,587	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	167,257

Signaling

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Signaling Investment										
SCP	\$ 3,058	\$ 207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,265
SCP wire center	489	33	-	-	-	-	-	-	-	522
STP	6,728	455	-	-	-	-	-	-	-	7,183
signaling links	19,480	1,282	-	-	-	-	-	-	-	20,762
TOTAL	\$ 29,755	\$ 1,977	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,732
	93.77%	6.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 495	\$ 33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	528
SCP wire center	74	5	-	-	-	-	-	-	-	79
STP	1,089	74	-	-	-	-	-	-	-	1,162
signaling links	3,117	205	-	-	-	-	-	-	-	3,322
TOTAL	\$ 4,774	\$ 317	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,092
Network Expenses										
SCP	\$ 145	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	155
SCP wire center	54	4	-	-	-	-	-	-	-	58
STP	320	22	-	-	-	-	-	-	-	341
signaling links	755	50	-	-	-	-	-	-	-	805
TOTAL	\$ 1,274	\$ 85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,359
Summary										
Cost of Capital	\$ 4,774	\$ 317	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,092
Network Expense	1,274	85	-	-	-	-	-	-	-	1,359
TOTAL	\$ 6,048	\$ 402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,450

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	71,221	9,560	-	-	-	-	-	-	-	80,771
aerial cable	2,242	303	-	-	-	-	-	-	-	2,544
poles	1,368	183	-	-	-	-	-	-	-	1,551
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 74,831	\$ 10,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,866
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	11,012	1,477	-	-	-	-	-	-	-	12,489
aerial cable	355	48	-	-	-	-	-	-	-	403
poles	290	39	-	-	-	-	-	-	-	329
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 11,658	\$ 1,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,221
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	2,769	371	-	-	-	-	-	-	-	3,140
aerial cable	141	19	-	-	-	-	-	-	-	160
poles	56	8	-	-	-	-	-	-	-	64
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,966	\$ 398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,364
Summary										
Cost of Capital	\$ 11,658	\$ 1,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,221
Network Expense	2,966	398	-	-	-	-	-	-	-	3,364
TOTAL	\$ 14,624	\$ 1,961	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,585
Transmission Terminal										
investment	\$ 28,996	\$ 4,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,002
levelized cost of capital	5,664	782	-	-	-	-	-	-	-	6,447
network expenses	444	61	-	-	-	-	-	-	-	505
TOTAL	\$ 6,108	\$ 844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,952

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	132,777	10,362	-	-	-	-	-	-	-	143,139
aerial cable	3,995	329	-	-	-	-	-	-	-	4,324
poles	2,624	198	-	-	-	-	-	-	-	2,823
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 139,397	\$ 10,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	150,285
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	20,530	1,602	-	-	-	-	-	-	-	22,133
aerial cable	633	52	-	-	-	-	-	-	-	685
poles	556	42	-	-	-	-	-	-	-	598
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 21,720	\$ 1,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,416
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	5,162	403	-	-	-	-	-	-	-	5,565
aerial cable	251	21	-	-	-	-	-	-	-	272
poles	108	8	-	-	-	-	-	-	-	116
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 5,522	\$ 432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,953
Summary										
Cost of Capital	\$ 21,720	\$ 1,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,416
Network Expense	5,522	432	-	-	-	-	-	-	-	5,953
TOTAL	\$ 27,242	\$ 2,128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,369
Transmission Terminal										
investment	\$ 44,287	\$ 4,346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,633
levelized cost of capital	8,651	849	-	-	-	-	-	-	-	9,500
network expenses	678	66	-	-	-	-	-	-	-	744
TOTAL	\$ 9,329	\$ 916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,244

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	386,922	32,121	-	-	-	-	-	-	-	419,044
aerial cable	11,690	1,018	-	-	-	-	-	-	-	12,709
poles	7,629	614	-	-	-	-	-	-	-	8,243
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 406,241	\$ 33,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	439,996
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	59,827	4,967	-	-	-	-	-	-	-	64,794
aerial cable	1,853	161	-	-	-	-	-	-	-	2,014
poles	1,617	130	-	-	-	-	-	-	-	1,747
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 63,297	\$ 5,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,555
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	15,043	1,249	-	-	-	-	-	-	-	16,292
aerial cable	735	64	-	-	-	-	-	-	-	799
poles	315	25	-	-	-	-	-	-	-	340
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 16,093	\$ 1,338	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,431
Summary										
Cost of Capital	\$ 63,297	\$ 5,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,555
Network Expense	16,093	1,338	-	-	-	-	-	-	-	17,431
TOTAL	\$ 79,390	\$ 6,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,986
Transmission Terminal										
investment	\$ 131,585	\$ 13,473	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145,059
levelized cost of capital	25,704	2,632	-	-	-	-	-	-	-	28,336
network expenses	2,013	206	-	-	-	-	-	-	-	2,219
TOTAL	\$ 27,717	\$ 2,838	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,555

Tandem Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Tandem Switching Investment										
tandem switching	\$ 2,324	\$ 157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,481
wire center	3,058	207	-	-	-	-	-	-	-	3,265
TOTAL	\$ 5,383	\$ 364	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,746
Levelized Cost of Capital										
tandem switching	\$ 376	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	402
wire center	462	31	-	-	-	-	-	-	-	493
TOTAL	\$ 838	\$ 57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895
Network Expenses										
tandem switching	\$ 110	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	118
wire center	337	23	-	-	-	-	-	-	-	360
TOTAL	\$ 448	\$ 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	478
Summary										
Cost of Capital	\$ 838	\$ 57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895
Network Expense	448	30	-	-	-	-	-	-	-	478
TOTAL	\$ 1,286	\$ 87	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,373

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	\$ 979	\$ 66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,045
OS Tandem Wire Center	1,223	83	-	-	-	-	-	-	-	1,306
OS Trunks	61,320	5,029	-	-	-	-	-	-	-	66,349
OS Position	1,773	120	-	-	-	-	-	-	-	1,893
TOTAL	\$ 65,295	\$ 5,298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,593
Levelized Cost of Capital										
OS Tandem Switching	\$ 158	\$ 11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	169
OS Tandem Wire Center	185	12	-	-	-	-	-	-	-	197
OS Trunks	9489.839622	778.2548078	0	0	0	0	0	0	0	10,268
OS Position	429	29	-	-	-	-	-	-	-	458
TOTAL	\$ 10,262	\$ 830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,093
Network Expenses										
OS Tandem Switching	\$ 46	\$ 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50
OS Tandem Wire Center	135	9	-	-	-	-	-	-	-	144
OS Trunks	2,377	195	-	-	-	-	-	-	-	2,572
OS Position	120	8	-	-	-	-	-	-	-	128
Operator Wages	3,135	212	-	-	-	-	-	-	-	3,347
TOTAL	\$ 5,813	\$ 427	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,240
Summary										
Cost of Capital	\$ 10,262	\$ 830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,093
Network Expense	5,813	427	-	-	-	-	-	-	-	6,240
TOTAL	\$ 16,075	\$ 1,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,333

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	\$ 4,371	\$ 609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,979
	87.77%	12.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 894	\$ 124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,018
Network Expenses	\$ 822	\$ 115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	937
Summary										
Cost of Capital	\$ 894	\$ 124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,018
Network Expense	822	115	-	-	-	-	-	-	-	937
TOTAL	\$ 1,716	\$ 239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,955

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	0.15085	0.15069	0.15063	0.15067	0.15077	0.15089	0.15102	0.15115	0.15128	0.15141	0.15154	0.15167	0.15180	0.15193	0.15206	0.15219	0.15232	0.15245	0.15258	0.15271	0.15284	0.15297	0.15310	0.15323	0.15336	0.15349	0.15362	0.15375	0.15388	0.15401	0.15414	0.15427	0.15440
COE																																	
COB																																	
NPV-EoP	1.29477	1.29808	1.30124	1.30426	1.30715	1.30991	1.31255	1.31508	1.31751	1.31984	1.32207	1.32421	1.32627	1.32825	1.33016	1.33199	1.33376	1.33546	1.33710	1.33868	1.34021	1.34168	1.34311	1.34448	1.34581	1.34710	1.34835	1.34955	1.35072	1.35185	1.35295	1.35402	1.35505
NPV-BoP	1.44043	1.44411	1.44763	1.45099	1.45420	1.45727	1.46021	1.46303	1.46573	1.46831	1.47080	1.47318	1.47548	1.47768	1.47980	1.48184	1.48380	1.48569	1.48752	1.48928	1.49098	1.49262	1.49420	1.49573	1.49721	1.49864	1.50003	1.50137	1.50267	1.50393	1.50515	1.50634	1.50749
Pmc-EoP	0.15806	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486
Year																																	
1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15642	0.15652	0.15662	0.15672	0.15682	0.15692	0.15702	0.15712	0.15722	0.15732	0.15742	0.15752	0.15762	0.15772
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14769	0.14802	0.14834	0.14867	0.14901	0.14934	0.14964	0.14994	0.15024	0.15053	0.15081	0.15109	0.15137	0.15165	0.15192	0.15219	0.15246	0.15273	0.15300	0.15327	0.15354	0.15381	0.15408	0.15435	0.15462
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14853	0.14874	0.14895	0.14916	0.14937	0.14958	0.14979	0.15000
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14290	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14506	0.14535	0.14564	0.14593	0.14622	0.14650	0.14678	0.14706	0.14734	0.14762	0.14790
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14393	0.14421	0.14449	0.14476	0.14504
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761
17	0.11179	0.11317	0.11457	0.11570	0.11667	0.11748	0.11823	0.11893	0.11958	0.12018	0.12076	0.12132	0.12187	0.12240	0.12291	0.12341	0.12389	0.12436	0.12482	0.12528	0.12573	0.12618	0.12662	0.12706	0.12749	0.12791	0.12833	0.12875	0.12916	0.12956	0.12996	0.13036	0.13076
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	0.12569	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10406	0.10534	0.10657	0.10776	0.10891	0.11000	0.11105	0.11205	0.11300	0.11394	0.11484	0.11568	0.11655	0.11739	0.11819	0.1189										

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCFAct	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12656	0.12709	0.12766	0.12823	0.12877	0.12928	0.12976	0.13024	0.13069	0.13113	0.13156	0.13198	0.13239	0.13289
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12210
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09552	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	Le-ru Telephone Company	

May 4, 2006
4:12 PM

Cost of Capital Inputs

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

55.80%
65.42%
11.25%

Traffic Inputs

local DEMs, thousands	15,058		
intrastate DEMs, thousands	3,215		
interstate DEMs, thousands	3,174		
Local call completion fraction	70.00%		
Total local calls attempted	3,412		
Total intraLATA calls completed	204		
Total interLATA calls completed - intrastate	205		
Total interLATA calls completed - interstate	437		
local DEM fraction	68.21%		
local interoffice traffic fraction	12.04%		
D link investment, per link	\$ -		
Bus/Res DEMs ratio (local, state, interstate)	110%		
entrance facility investment per line	-		
local direct-routed fraction	98.00%		
tandem-routed intraLATA fraction	100.00%		
tandem-routed access fraction	100.00%		
maximum trunk usage, CCS	27.5		
ISUP msgs per i/o call attempt	6		
avg ISUP msg length, octets	25		
TCAP msgs per transaction	2		
TCAP msg length, octets	100		
fraction of calls requiring TCAP	10.00%		
trunk port investment, per port	\$ 100		
Switch line circuit offset per DLC line	\$ -		
Total signaling links	4		
Average trunk utilization	30.00%		

21,447 total DEMs, thousands
2,388 Total local calls completed

200% 300%

Cost Parameters

tax rate	39.25%
corporate overhead factor	10.40%
other taxes factor	5.00%
billing/bill inquiry per line per month	\$ 2.30
directory listing per line per month	\$ -
forward-looking network operations factor	100.00%
alternative CO switching factor	4.75%
alternative circuit equipment factor	1.53%
EO non-port fraction	70.00%
per-line monthly LNP cost	\$ 0.25
Carrier-carrier customer service, per line per year	\$ 1.69
NID expense per line per year	\$ 1.00
DS-0/DS-1 terminal factor	12.4
DS-1/DS-3 terminal factor	9.9
Average lines per business location	4.00

Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 63,694
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 64,722
2422-m	Underground - Metallic	21.14	-0.1826	17.88	\$ -
2422-nm	Underground - Non-Meta	23.08	-0.1458	20.14	\$ -
2423-m	Buried - Metallic	19.9	-0.0839	18.36	\$ 1,258,596
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 1,698,554
2426-m	Intrabuilding - Metallic	15.71	-0.1674	13.57	
2426-nm	Intrabuilding - Non-Metall	23.62	-0.1052	21.37	
2441	Conduit Systems	50.92	-0.1034	46.15	
Average Metallic Cable (calculated)				18.06	\$ 1,322,290
Average Non-Metallic Cable (calculated)				21.85	\$ 1,763,275

\$ 4,678
\$ 3,420
\$ -
\$ -
\$ 68,552
\$ 77,296
\$ 73,231
\$ 80,717

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	3,215,000	
Interstate Toll DEMs	3,174,000	
trunk port usage	36,922,938	
trk-min/mo	10,044	
interLATA ded. trunks	53	
Common Transport MOU		
Local	35,217	w/o OS usage
Intrastate Toll	3,215,000	
Interstate Toll	3,174,000	
	6,424,217	
Intrastate IntraLATA Calls	204	49.88% SOCCC message counts
Intrastate InterLATA Calls	205	50.12%
	409	

Calculation of EO Usage

Local DEMs, incl OS	15,058,000	70.2% of total DEMs
Intraoffice Local DEMs	13,245,510	
Intraoffice Local Actual Min	6,622,755	
Interoffice Local Actual Min	1,812,490	per end
Intrastate Toll Actual Min	3,215,000	
Interstate Toll Actual Min	<u>3,174,000</u>	
	14,824,245	
Tandem Switch MOU		
Local	17,609	Dedicated Trunk-SW
IntraLATA Toll	801,785	60
InterLATA Toll	<u>4,785,430</u>	
	5,604,824	

6620	6620 TOTAL SERVICES EXPENSES	66	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	92	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	3	CALC
6712	6712 PLANNING	2	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	5	CALC
6721	6721 ACCOUNTING & FINANCE	10	CALC
6722	6722 EXTERNAL RELATIONS	6	CALC
6723	6723 HUMAN RESOURCES	8	CALC
6724	6724 INFORMATION MANAGEMENT	29	CALC
6725	6725 LEGAL	2	CALC
6726	6726 PROCUREMENT	1	CALC
6727	6727 RESEARCH & DEVELOPMENT	2	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	25	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	83	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	109	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	15,098	
	DEM - INTRASTATE	3,215	
	DEM - INTERSTATE	3,174	
	MESSAGES - INTRALATA	294	
	MESSAGES - INTERLATA - interstate	437	
	MESSAGES - INTERLATA - intrastate	205,5745766	
4308 (EC)	LOCAL CALL ATTEMPTS	3,412	
	LINES - BUSINESS	331	
	RESIDENTIAL	898	
	PUBLIC	10	
	SPECIAL	82	
	TOTAL	1,323	
	5081 END USER		56
	5082 SWITCHED ACCESS		126
	5083 SPECIAL ACCESS		23
	TOTAL INTER ACCESS		205
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		106
	TOTAL ACCESS REVENUES		311
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		89
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	5120 LD PRIVATE NETWORK		7
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		101
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		273
	5002 OPTIONAL EXTEND AREA		8
	5003 CELLAR MOBIL		6
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		289
	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				8	
	5040 LOCAL PRIVATE LINE				10	
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				1	
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				67	
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				374.196666	
	TOTAL REVENUE				785.4907843	
	CAPITAL STRUCTURE PARAMETERS					
	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO
	COST OF DEBT					
	COST OF EQUITY					
		BALANCE SHEET	ACCRUEL	DEPR LIFE		
		43-02, B-1	43-02, B-5	(ASSUMING		
		AVG=(ab+af)/2	(col 2C)	STRAIGHT LIFE)		
		A	B	C = (A/C)		
		-	-	-		
	ECONOMIC LIFE					
(2422,21,22,23,41)	FEEDER					
(2422,21,22,23,41)	DISTRIBUTION					
2121	BUILDINGS					
2232	DLC ELECTRONIC EQUIPMENT					
2212	EO SWITCHING					
2212	TANDEM SWITCHING					
2220	OS POSITIONS					
2220	OS TANDEM					
2232	TRANSMISSION SYSTEMS					
2351	PUBLIC TELEPHONE EQUIPMENT					
2122,2124	FURNITURE + GP COMPUTERS					
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum 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			374.2057769	
	LD Ntwk Svs Rev	4303.Ln 525			101.4726609	
	End User	4303.Ln 5081			56.15353516	
	Sw Acc	4303.Ln 5082			125.7227107	
	Spcl Acc	4303.Ln 5083			23.13613845	
	St Acc	4303.Ln 5084			105.6049125	
	Uncoll Rev	4303.Ln 5300			13.30907715	
	Tot Acc	4304.Ln4040 (P)			1.103182593	
	B&C	4304.Ln4040 (Q)			0.108351331	
	IX	4304.Ln4040 (R)			0.003916826	
	Ln4040 (P+Q+R)	Calc (P+Q+R)			1.21545075	
Uncoll -Acc	5300-(4040p..r)	1a			12.0936264	
End User+ Rievs	5081+520+525	1b			531.831873	
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	\$ 12	\$ -	-	
2112 Motor Vehicles	\$ 29	\$ 1	0.0348	
2113 Aircraft	\$ 1	\$ 0	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 1	\$ 0	0.0353	
2116 Other Work Equipment	\$ 23	\$ 0	0.0113	
2121 Buildings	\$ 167	\$ 18	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 11	\$ 1	0.1224	
2123 Office Equipment	\$ 28	\$ 3	0.1015	
2124 General Purpose Computers	\$ 43	\$ 28	0.6381	
2110 Total Land & Support Assets	\$ 315	\$ 52	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 18	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 551	\$ 31	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 569	\$ 32	0.0565	
2220 Operator Systems	\$ 8	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 380	\$ 6	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 380	\$ 6	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	\$ 12	\$ 2	0.1881	
2362 Other Terminal Equipment	\$ 21	\$ 4	0.1763	
2310 Total Information Orig/Term	\$ 33	\$ 6	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 65	\$ 3	0.0413	
2421 Aerial Cable	\$ 309	\$ 19	0.0629	0.0629 0.0196 0.0389 Alternative fiber cable maintenance factors
2422 Underground Cable	\$ 196	\$ 4	0.0196	
2423 Buried Cable	\$ 546	\$ 21	0.0389	
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 111	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 1,228	\$ 48	0.0388	
240 Total TPIS (before amortizable assets)	\$ 2,218	\$ 145	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 2,218	0.0003	
6531 Power Expenses	\$ 4	\$ 2,218	0.0019	8.10% all
6532 Network Administration	\$ 11	\$ 2,218	0.0048	20.47% switching, interoffice
6533 Testing	\$ 11	\$ 2,218	0.0050	21.22% all
6534 Plant Operations Administration	\$ 17	\$ 2,218	0.0074	31.89% all
6535 Engineering	\$ 9	\$ 2,218	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 52	\$ 2,218	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	total lines (from net. invest. inputs)
6112 Motor Vehicles	\$ 1			1,323
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 1	\$ 1,228	0.0011	annual net ops per line
				\$ 39.11

Customer Operations Expenses

	Expenses		Net Revenues		Factor			
6611 Product Management *	\$	7	\$	0.4638	\$	443	0.0166	
6612 Sales *	\$	14	\$	0.8522	\$	443	0.0306	
6613 Product Advertising	\$	5			\$	443	0.0110	
6610 Total Marketing Expenses	\$	26					0.0582	
6621 Call Completion Service	\$	6			\$	443	0.0131	
6622 Number Services	\$	14	\$	0.8863	\$	443	0.0318	
6623 Customer Services	\$	46	\$	2.9168	\$	443	0.1046	
6620 Total Services Expenses	\$	66	\$	4.23			0.1495	
Billing/bill inquiry (per line/month)	\$	2.30						
Directory listing (per line/month)		-						
700 Total Customer Operations Expenses	\$	91.98			\$	443	0.2078	0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	3	\$	443	0.0079	
6712 Planning	\$	2	\$	443	0.0039	
6710 Total Executive & Planning	\$	5	\$	443	0.0117	
6721 Accounting & Finance	\$	10	\$	443	0.0237	
6722 External Relations	\$	6	\$	443	0.0144	
6723 Human Resources	\$	8	\$	443	0.0171	
6724 Information Management	\$	29	\$	443	0.0653	
6725 Legal	\$	2	\$	443	0.0055	
6726 Procurement	\$	1	\$	443	0.0030	
6727 Research & Development	\$	2	\$	443	0.0038	
6728 Other General & Administrative	\$	25	\$	443	0.0554	
6720 Total General & Administrative	\$	83	\$	443	0.1880	
710 Total Corporate Operations Expense	\$	88	\$	443	0.1040	0.2347
720 Total Operating Expenses	\$	377				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	\$ 11	\$ 28	\$ 43	\$ 29	\$ 84	\$ 1	\$ 23
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 1	\$ 3	\$ 28	\$ 1	\$ 9	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 7,541	\$ 7,541	\$ 7,541	\$ 7,541	\$ 7,541	\$ 7,541	\$ 7,541
Calculated Investment	\$ 37	\$ 96	\$ 147	\$ 98	\$ 285	\$ 3	\$ 77
Calculated Expense	\$ 5	\$ 10	\$ 94	\$ 3	\$ 31	\$ 0	\$ 1
Subtotal (\$s)	\$ 63,609						
Total Misc Expense	\$ 63,609						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	8	\$	(43)	
7240 Operating Other Taxes	\$	35	\$	(43)	0.0500
5300 Uncollectible Revenues	\$	13	\$	443	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	2,218			
Net Plant	\$	2,218			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 56	8.26%
5082 Switched Access	\$ 126	18.49%
5083 Special Access	\$ 23	3.40%
Total Inter Access	\$ 205	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	\$ 205	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	\$ 89	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 3	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 7	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 1	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 101	14.81%

Basic Local Service		
5001 Basic Area	\$ 273	40.21%
5002 Optional Extended Area	\$ 8	1.23%
5003 Cellular Mobile	\$ 6	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 289	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	\$ 8	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 10	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 1	0.10%
Other Local Exchange Revenue		
5060 Central Office Features	\$ -	0.00%
Information Transport	\$ -	0.00%
Directory Assistance	\$ -	0.00%
Intercept Services	\$ -	0.00%
Other Loc Exchg	\$ -	0.00%
Total Other	\$ 67	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 374	55.04%
Total Revenue	\$ 680	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\HMWKMO4219081.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	3,412	3,412	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	204	204	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	205	205	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	437	437	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	15,058	15,058	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	3,215	3,215	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	3,174	3,174	Distribution Buried Shring Fraction - 5000	1.00	1.00
Local Business/Residence DEMs	1.10	1.10	Distribution Buried Shring Fraction - 10000	1.00	1.00
Intrastate Business/Residence DEMs	2.00	2.00	Distribution Underground Shring Fraction - 0	1.00	1.00
Interstate Business/Residence DEMs	3.00	3.00	Distribution Underground Shring Fraction - 5	1.00	1.00
BH Fraction of Daily Usage	0.10	0.10	Distribution Underground Shring Fraction - 100	1.00	1.00
Annual to Daily Usage Reduction Factor	270.00	270.00	Distribution Underground Shring Fraction - 200	1.00	1.00
Residential Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 650	1.00	1.00
Business Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 850	1.00	1.00
Residential Call Attempts per BH	1.30	1.30	Distribution Underground Shring Fraction - 2550	1.00	1.00
Business Call Attempts per BH	3.50	3.50	Distribution Underground Shring Fraction - 5000	1.00	1.00
ICO STP Investment, per line (equipment)	5.50	5.50	Distribution Underground Shring Fraction - 10000	1.00	1.00
ICO Local Tandem Investment, per line	1.90	1.90	Feeder Aerial Shring Fraction - 0	1.00	1.00
ICO OS Tandem Investment, per line	0.80	0.80	Feeder Aerial Shring Fraction - 5	1.00	1.00
ICO SCP Investment per line (equipment)	2.50	2.50	Feeder Aerial Shring Fraction - 100	1.00	1.00
ICO SCP - STP per line (wirecenter)	0.40	0.40	Feeder Aerial Shring Fraction - 200	0.50	0.50
ICO Local Tandem Investment, per line (wirecenter)	2.50	2.50	Feeder Aerial Shring Fraction - 650	0.50	0.50
ICO OS Tandem Investment, per line (wirecenter)	1.00	1.00	Feeder Aerial Shring Fraction - 850	0.50	0.50

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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