

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	520	-	520	-	-	-	520	\$	-	\$	-	\$	1,360,244	\$	67,548	\$	-	\$	-	\$	244,168						
5	DLC	2,615	-	2,615	-	-	-	2,607	\$	-	\$	-	\$	2,190,051	\$	107,493	\$	-	\$	-	\$	1,122,245						
100	DLC	1,396	614	644	100	39	47	644	\$	-	\$	-	\$	164,615	\$	8,258	\$	-	\$	-	\$	218,640						
200	DLC																											
650	DLC																											
850	DLC																											
2550	DLC																											
5000	DLC																											
10000	DLC																											
0	non-DLC	30	-	30	-	-	-	30	\$	-	\$	12,625	\$	639	\$	-	\$	-	\$	-	\$	6,048	\$	-				
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		4,561	614	3,808	100	39	47	3,800	\$	-	\$	12,625	\$	639	\$	-	\$	3,714,910	\$	183,299	\$	-	\$	-	\$	6,048	\$	1,585,053

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	\$ 20,398	\$ -	\$ 554,639	\$ 28,069	\$ -	\$ -	\$ 763,209	\$ 47,806	0.00%	33.04%	0.00%	\$ 328,981	\$ 6,950	\$ 43,655	\$ 55,810	\$ 15,081	404,403
5	DLC	\$ 98,961	\$ -	\$ 2,392,850	\$ 121,096	\$ -	\$ -	\$ 3,242,723	\$ 183,023	0.00%	32.84%	0.00%	\$ 1,079,362	\$ 32,850	\$ 219,511	\$ 279,773	\$ 75,633	714,064
100	DLC	\$ 20,673	\$ -	\$ 618,207	\$ 31,286	\$ -	\$ -	\$ 351,822	\$ 22,518	0.00%	19.39%	0.00%	\$ 195,100	\$ 9,600	\$ 58,614	\$ 66,488	\$ 30,380	4,233
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC	\$ 1,416	\$ -	\$ 44,466	\$ 2,250	\$ -	\$ -	\$ 65,568	\$ 3,753	29.77%	29.77%	29.77%	\$ -	\$ 600	\$ 2,499	\$ 3,194	\$ 863	5,111
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		\$ 141,447	\$ -	\$ 3,610,162	\$ 182,701	\$ -	\$ -	\$ 4,423,322	\$ 257,100				\$ 1,603,443	\$ 50,000	\$ 324,279	\$ 405,265	\$ 121,956	1,127,812

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	434,283	520	\$ 275,838	\$ -	\$ 29,221	\$ 4,435	\$ 988	\$ 1,300	\$ 416	\$ 520	\$ 17,894	\$ 757	\$	\$ 109,346	\$ 3,129	\$ 2,202	\$ -
5	DLC	1,878,158	2,615	\$ 2,320,907	\$ -	\$ 199,378	\$ 28,229	\$ 4,968	\$ 6,537	\$ 2,092	\$ 2,615	\$ 276,747	\$ 3,805	\$	\$ 1,437,012	\$ 42,848	\$ 24,722	\$ -
100	DLC	209,231	1,396	\$ 483,806	\$ -	\$ 79,901	\$ 12,136	\$ 2,463	\$ 3,241	\$ 1,037	\$ 1,296	\$ 18,222	\$ 1,886	\$	\$ 144,399	\$ 4,338	\$ 2,814	\$ -
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC	38,994	-	\$ 20,813	\$ -	\$ 1,499	\$ 200	\$ 57	\$ 74	\$ 24	\$ 30	\$ 1,263	\$ 43	\$	\$ 7,336	\$ 207	\$ 149	\$ -
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		2,560,666	4,531	\$ 3,101,365	\$ -	\$ 310,000	\$ 45,000	\$ 8,476	\$ 11,152	\$ 3,569	\$ 4,461	\$ 314,126	\$ 6,491	\$ -	\$ 1,698,092	\$ 50,521	\$ 29,887	\$ -

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		\$ 40,183		\$ 41,067	\$ 1,172	\$ 829	\$ -		\$ 14,481		\$ 25,635	\$ 766	\$ 502	\$ -		\$ 13,053	6
5	DLC		\$ 376,793		\$ 587,713	\$ 17,538	\$ 10,137	\$ -		\$ 155,357		\$ 60,808	\$ 1,819	\$ 1,075	\$ -		\$ 19,099	34
100	DLC		\$ 76,983		\$ 41,922	\$ 1,259	\$ 817	\$ -		\$ 22,350		\$ 156,767	\$ 4,709	\$ 3,055	\$ -		\$ 83,577	13
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC		\$ 3,140		\$ 2,821	\$ 80	\$ 57	\$ -		\$ 1,208		\$ 188	\$ 5	\$ 4	\$ -		\$ 81	0
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		\$ -	\$ 497,099	\$ -	\$ 673,523	\$ 20,049	\$ 11,839	\$ -	\$ -	\$ 193,395	\$ -	\$ 243,398	\$ 7,300	\$ 4,635	\$ -	\$ -	\$ 115,810	53

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	1	1	8	13	19	4	1,300 \$	208 \$	2,860 \$	6,463 \$	3,817	8,074,974	-	4,134,939
5	DLC	11	6	48	11	102	27	6,537 \$	1,046 \$	14,381 \$	115,255 \$	1,874	40,603,779	-	16,864,861
100	DLC	2	1	21	83	53	8	3,241 \$	519 \$	7,130 \$	4,033 \$	24,113	9,993,660	14,778,317	2,982,216
200	DLC														-
650	DLC														-
850	DLC														-
2550	DLC														-
5000	DLC														-
10000	DLC														-
0	non-DLC	0	0	0	0	1	0	74 \$	12 \$	164 \$	430 \$	-	462,271	-	183,879
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		15	7	77	107	176	39	11,152 \$	1,784 \$	24,535 \$	126,181 \$	29,804	59,134,683	14,778,317	24,165,895

Universal Service Calculation Sheet - monthly costs per line

Missouri
Kingdom 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	\$ 147.25	\$ 94.21	\$ 28.54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81.66
Port	5.61	5.61	5.61	-	-	-	-	-	-	5.61
End office usage	7.45	7.45	7.45	-	-	-	-	-	-	7.45
Signaling	0.21	0.21	0.21	-	-	-	-	-	-	0.21
Transport	4.54	4.54	4.54	-	-	-	-	-	-	4.54
Local retail costs										
Billing/bill inquiries	\$ 2.74	\$ 2.74	\$ 2.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.74
Directory listing	-	-	-	-	-	-	-	-	-	-
LNP expense (when available)	0.30	0.30	0.30	-	-	-	-	-	-	0.30
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Basic Local Service										
Avg monthly cost per line	\$ 168.10	\$ 115.06	\$ 49.39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102.51
@ Residence usage per line	\$ 167.88	\$ 114.84	\$ 49.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 111.40
@ Business usage per line	\$ 169.38	\$ 116.34	\$ 50.67	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50.67
Total switched lines	550	2,615	1,296	-	-	-	-	-	-	4,461
Primary residence lines	550	2,607	644	-	-	-	-	-	-	3,800
Secondary residence lines	(0)	8	(0)	-	-	-	-	-	-	8
Single line business lines	-	-	47	-	-	-	-	-	-	47
Multiline business lines	-	-	567	-	-	-	-	-	-	567
Public lines	-	-	39	-	-	-	-	-	-	39
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 903,057	\$ 2,622,810	\$ 140,334	\$ -	\$ -	\$ -	\$ -	\$ 3,666,200
Secondary residence lines		\$31.00	\$ (23)	\$ 7,866	\$ (1)	\$ -	\$ -	\$ -	\$ -	\$ 7,862
Single line business lines	X	\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Multiline business lines		\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Public lines		\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Support cost if all lines supported			\$ 903,034	\$ 2,630,695	\$ 140,333	\$ -	\$ -	\$ -	\$ -	\$ 3,674,063
Total annual support for specified lines										
@25% Federal allocation			\$ 225,764	\$ 655,702	\$ 35,083	\$ -	\$ -	\$ -	\$ -	\$ 916,550
@Implied 75% State allocation			\$ 677,292	\$ 1,967,107	\$ 105,250	\$ -	\$ -	\$ -	\$ -	\$ 2,749,650

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

\$20.00	\$ 975,629	\$ 2,966,926	\$ 225,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,167,840
\$30.00	\$ 909,654	\$ 2,654,093	\$ 148,057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,711,804
\$40.00	\$ 843,679	\$ 2,341,260	\$ 70,828	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,255,768
\$50.00	\$ 777,705	\$ 2,028,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,806,132
\$60.00	\$ 711,730	\$ 1,715,595	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,427,325
\$70.00	\$ 645,755	\$ 1,402,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,048,517
\$80.00	\$ 579,780	\$ 1,089,929	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,669,710

STATE FUND ANALYSIS																	
Annual Support for line types:		Specify	Bench mark														
Primary residence lines	X	\$31.00	\$	903,057	\$	2,622,810	\$	140,334	\$	-	\$	-	\$	-	\$	3,666,200	
Secondary residence lines		\$31.00	\$	(23)	\$	7,886	\$	(1)	\$	-	\$	-	\$	-	\$	7,862	
Single line business lines	X	\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0	
Multiline business lines		\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0	
Public lines		\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0	
Support cost if all lines supported			\$	903,034	\$	2,630,695	\$	140,333	\$	-	\$	-	\$	-	\$	3,674,063	
Total annual support for specified lines				\$	903,057	\$	2,622,810	\$	140,334	\$	-	\$	-	\$	-	\$	3,666,200
@75% State allocation				\$	677,292	\$	1,967,107	\$	105,250	\$	-	\$	-	\$	-	\$	2,749,650
@Implied 25% Federal allocation				\$	225,764	\$	655,702	\$	35,083	\$	-	\$	-	\$	-	\$	916,550

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	225,764	\$	655,702	\$	35,083	\$	-	\$	-	\$	-	\$	916,550
75% State allocation from State Fund Analysis	\$	677,292	\$	1,967,107	\$	105,250	\$	-	\$	-	\$	-	\$	2,749,650
Total Federal + State fund	\$	903,057	\$	2,622,810	\$	140,334	\$	-	\$	-	\$	-	\$	3,666,200

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Kingdom 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	\$ 4,039	\$ 19,161	\$ 7,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,585
Unit Cost/month	0.61	0.61	0.44	-	-	-	-	-	-	0.56
Loop Distribution (DLC)										
Annual Cost	\$ 390,598	\$ 1,683,030	\$ 300,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,374,289
Unit Cost/month	62.59	53.64	17.94	-	-	-	-	-	-	43.67
Loop Distribution (non-DLC)										
Annual Cost	\$ 31,829	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,829
Unit Cost/month	89.10	-	-	-	-	-	-	-	-	89.10
Loop Distribution (all)										
Annual Cost	\$ 422,427	\$ 1,683,030	\$ 300,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,406,119
Unit Cost/month	64.03	53.64	17.94	-	-	-	-	-	-	43.96
Loop Concentration (DLC)										
Annual Cost	\$ 91,883	\$ 303,865	\$ 55,891	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 451,639
Unit Cost/month	14.72	9.68	3.34	-	-	-	-	-	-	8.31
Loop Concentration (non-DLC)										
Annual Cost	\$ 140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140
Unit Cost/month	0.39	-	-	-	-	-	-	-	-	0.39
Loop Concentration (all)										
Annual Cost	\$ 92,024	\$ 303,865	\$ 55,891	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 451,780
Unit Cost/month	13.95	9.68	3.34	-	-	-	-	-	-	8.25
Loop Feeder (DLC)										
Annual Cost	\$ 430,564	\$ 898,586	\$ 106,016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,435,166
Unit Cost/month	69.00	28.64	6.33	-	-	-	-	-	-	26.39
Loop Feeder (non-DLC)										
Annual Cost	\$ 5,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,487
Unit Cost/month	15.36	-	-	-	-	-	-	-	-	15.36
Loop Feeder (all)										
Annual Cost	\$ 436,051	\$ 898,586	\$ 106,016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,440,653
Unit Cost/month	66.10	28.64	6.33	-	-	-	-	-	-	26.32
Total Loop (DLC)										
Annual Cost	\$ 916,865	\$ 2,904,641	\$ 469,954	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,291,461
Unit Cost/month	146.93	92.57	28.05	-	-	-	-	-	-	78.92
Total Loop (non-DLC)										
Annual Cost	\$ 37,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,676
Unit Cost/month	105.47	-	-	-	-	-	-	-	-	105.47
Total Loop (all)										
Annual Cost	\$ 954,541	\$ 2,904,641	\$ 469,954	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,329,137
Unit Cost/month	144.69	92.57	28.05	-	-	-	-	-	-	79.10
Total lines	550	2,615	1,396	-	-	-	-	-	-	4,561
Total lines served by DLC	520	2,615	1,396	-	-	-	-	-	-	4,531

	Annual Cost	Units	Unit Cost
End office switching	\$ 983,816		
Line Port	295,145	4,461 switched lines	\$ 5.51 per line/month
Non-Line Port	688,671	51,088,930 actual minutes	\$ 0.01348 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 43,804		
Links	33,774	14 links	\$ 202.74 per link per month
STP	6,567	28,934,219 TCAP+ISUP msgs	\$ 0.00023 per signaling message
SCP	3,463	2,935,200 TCAP queries	\$ 0.00118 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 68,612	107 trunks	\$ 53.45 per DS-0 equivalent per month
Switched	4,490	7 trunks	\$ 0.00532 per minute
Special	64,122	100 trunks	
Transmission Terminal	33,718	107 trunks	\$ 26.27 per DS-0 equivalent per month
			\$ 0.00262 per minute
			\$ 0.00794 total per minute
<i>Common</i>			
Transport	\$ 460,536	22,140,359 minutes	\$ 0.01426 per minute per leg (orig or term)
Transmission Terminal	139,498	22,140,359 minutes	\$ 0.00432 per minute
			\$ 0.01858 total per minute
<i>Direct</i>			
Transport	\$ 182,381	2,973,291 minutes	\$ 0.06134 per minute
Transmission Terminal	54,128	2,973,291 minutes	\$ 0.01820 per minute
			\$ 0.07954 total per minute
Tandem switch	\$ 6,304	19,317,526 minutes	\$ 0.00033 per minute
Operator systems	\$ 99,162		
Public Telephones	\$ 15,629		
Total (w/ Public)	\$ 6,416,725		
Total cost of switched network elements (w/o Public)	\$ 116.02	per line/month	

	interconnected at			
	end office	tandem		wtd average
Local interconnection				
EO switching	\$ 0.01348	\$ 0.01348		
ISUP	\$ 0.00176	\$ 0.00176		
Common Transport	\$ -	\$ 0.01858		
Tandem Switching	\$ -	\$ 0.00033		
TOTAL	\$ 0.01524	\$ 0.03414	n/a	

IXC switched access				
EO switching	\$ 0.01348	\$ 0.01348		
ISUP	\$ 0.00176	\$ 0.00176		
Dedicated Transport	\$ 0.00794	\$ 0.00794		
Common Transport	\$ -	\$ 0.01858		
Tandem Switching	\$ -	\$ 0.00033		
TOTAL	\$ 0.02317	\$ 0.04207	\$ 0.04207	

Signaling detail				
cost per 800 call attempt (TCAP)	\$ 0.0028			
ISUP cost/transaction	\$ 0.00916			
ISUP cost/completion	0.0131			
IXC switched access MOU/comp	7.45			
ISUP cost/min	\$ 0.001756			
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 688,671
Total DEMs 73,913,000
Cost per DEM \$ 0.00932

Dedicated Transport Costs Per Trunk	
DS-0 per month	
Transport per month	\$ 53.45
Terminal per month *	\$ 325.72
TOTAL	\$ 379.18

DS-1 per month	
Transport per month	\$ 1,282.88
Terminal per month	\$ 630.44
TOTAL	\$ 1,913.31

DS-3 per month	
Transport per month	\$ 35,920.61
Terminal per month	\$ 1,783.05
TOTAL	\$ 37,703.66

Trunk Port Costs	
per trunk port (DS-0 equivalent) per month	\$ 2.64
per trunk port minute	\$ 0.000263

total EO usage per minute	\$ 0.013480
trk port/min	\$ 0.000263
other	\$ 0.013217

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	weighted average
calculated distribution fill (DLC)	33.0%	32.8%	19.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	28.7%
calculated distribution fill (non-DLC)	29.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	29.8%
weighted average										28.7%

Per DS0 Transport Calculations	
Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	115,810
Total Lines	4,561
Total Dedicated Terminal Investment per line	\$ 25
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 1,083
Transport Investment per DS-0	\$ 2,387

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
NID										
Annual Capital Cost	\$ 2,551	\$ 12,102	\$ 4,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,514
Network Expenses	\$ 550	\$ 2,607	\$ 797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,954
Direct expense	\$ 3,101	\$ 14,709	\$ 5,658	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,467
Investment	\$ 15,944	\$ 75,633	\$ 30,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	121,956
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 917	\$ 4,350	\$ 1,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,941
Total	\$ 4,018	\$ 19,059	\$ 7,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,408
with carrier-to-carrier	\$ 4,021	\$ 19,078	\$ 7,353	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,452
Distribution (DLC)										
Annual Capital Cost	\$ 241,060	\$ 1,038,332	\$ 184,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,464,280
Network Expenses	\$ 58,829	\$ 253,624	\$ 45,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	357,912
Direct expense	\$ 299,889	\$ 1,291,955	\$ 230,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,192
Investment	\$ 1,493,188	\$ 6,438,975	\$ 1,148,935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,081,098
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 88,694	\$ 382,103	\$ 68,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	538,923
Total	\$ 388,583	\$ 1,674,058	\$ 298,475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,361,116
with carrier-to-carrier	\$ 388,904	\$ 1,675,733	\$ 299,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,363,996
Distribution (non-DLC)										
Annual Capital Cost	\$ 19,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,643
Network Expenses	\$ 4,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,795
Direct expense	\$ 24,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,438
Investment	\$ 121,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	121,730
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 7,228	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,228
Total	\$ 31,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,665
with carrier-to-carrier	\$ 31,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,692
Distribution (all)										
Annual Capital Cost	\$ 260,703	\$ 1,038,332	\$ 184,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,483,923
Network Expenses	\$ 63,624	\$ 253,624	\$ 45,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	362,707
Direct expense	\$ 324,327	\$ 1,291,955	\$ 230,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,846,630
Investment	\$ 1,614,918	\$ 6,438,975	\$ 1,148,935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,202,828
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 95,922	\$ 382,103	\$ 68,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	546,151
Total	\$ 420,248	\$ 1,674,058	\$ 298,475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,392,781
with carrier-to-carrier	\$ 420,596	\$ 1,675,733	\$ 299,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,395,687
Concentrator (DLC)										
Annual Capital Cost	\$ 65,375	\$ 216,100	\$ 39,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,122
Network Expenses	\$ 5,170	\$ 17,158	\$ 3,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,501
Direct expense	\$ 70,545	\$ 233,258	\$ 42,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	346,623
Investment	\$ 335,931	\$ 1,112,212	\$ 204,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,652,843
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 20,864	\$ 68,987	\$ 12,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	102,516
Total	\$ 91,409	\$ 302,245	\$ 55,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	449,139
with carrier-to-carrier	\$ 91,485	\$ 302,548	\$ 55,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	449,681
Concentrator (non-DLC)										
Annual Capital Cost	\$ 96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96
Network Expenses	\$ 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12
Direct expense	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	108
Investment	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	600
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32
Total	\$ 140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	140
with carrier-to-carrier	\$ 140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	140
Concentrator (all)										
Annual Capital Cost	\$ 65,471	\$ 216,100	\$ 39,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,218
Network Expenses	\$ 5,181	\$ 17,158	\$ 3,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,513
Direct expense	\$ 70,653	\$ 233,258	\$ 42,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	346,731
Investment	\$ 336,531	\$ 1,112,212	\$ 204,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,653,443
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 20,896	\$ 68,987	\$ 12,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	102,548
Total	\$ 91,549	\$ 302,245	\$ 55,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	449,279
with carrier-to-carrier	\$ 91,625	\$ 302,548	\$ 55,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	449,821
Feeder (DLC)										
Annual Capital Cost	\$ 263,107	\$ 550,166	\$ 64,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	878,224
Network Expenses	\$ 67,467	\$ 139,621	\$ 16,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	223,361
Direct expense	\$ 330,574	\$ 689,787	\$ 81,223	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,101,584
Investment	\$ 1,692,358	\$ 3,518,750	\$ 412,185	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,623,294
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 97,769	\$ 204,008	\$ 24,022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	325,800
Total	\$ 428,343	\$ 893,796	\$ 105,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,427,384
with carrier-to-carrier	\$ 428,698	\$ 894,690	\$ 105,557	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,428,944
Feeder (non-DLC)										
Annual Capital Cost	\$ 3,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,388
Network Expenses	\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	825
Direct expense	\$ 4,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,213

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	\$ 20,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,727
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 1,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,246
Total	\$ 5,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,459
with carrier-to-carrier	\$ 5,463	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,463
Feeder (all)										
Annual Capital Cost	\$ 266,496	\$ 550,166	\$ 64,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	881,612
Network Expenses	\$ 68,291	\$ 139,621	\$ 16,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	224,185
Direct expense	\$ 334,787	\$ 689,787	\$ 81,223	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,105,797
Investment	\$ 1,713,086	\$ 3,518,750	\$ 412,185	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,644,021
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 99,015	\$ 204,008	\$ 24,022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	327,046
Total	\$ 433,802	\$ 893,796	\$ 105,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,432,843
with carrier-to-carrier	\$ 434,161	\$ 894,690	\$ 105,557	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,434,408
End Office Switching										
Annual Capital Cost	\$ 53,424	\$ 410,429	\$ 92,399	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	556,252
Network Expenses	\$ 17,479	\$ 132,229	\$ 31,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	181,499
Direct expense	\$ 70,902	\$ 542,658	\$ 124,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	737,751
Investment	\$ 332,007	\$ 2,548,515	\$ 575,844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,456,365
Support expenses	\$ 14,099	\$ 101,532	\$ 32,755	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	148,386
Subtotal, with misc spt	\$ 85,002	\$ 644,190	\$ 156,946	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	886,137
Total, with var overhead	\$ 93,842	\$ 711,185	\$ 173,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	978,295
with carrier-to-carrier	\$ 93,918	\$ 711,889	\$ 173,745	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	979,551
Signaling										
Annual Capital Cost	\$ 1,848	\$ 21,984	\$ 2,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,234
Network Expenses	\$ 500	\$ 5,576	\$ 706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,783
Direct expense	\$ 2,348	\$ 27,560	\$ 3,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,017
Investment	\$ 11,511	\$ 137,219	\$ 14,924	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	163,654
Support expenses	\$ 467	\$ 5,157	\$ 820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,443
Subtotal, with misc spt	\$ 2,815	\$ 32,717	\$ 3,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,460
Total, with var overhead	\$ 3,108	\$ 36,120	\$ 4,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	43,564
with carrier-to-carrier	\$ 3,110	\$ 36,155	\$ 4,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	43,614
Dedicated Transport										
Annual Capital Cost	\$ 4,222	\$ 9,918	\$ 25,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,774
Network Expenses	\$ 1,073	\$ 2,523	\$ 6,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,113
Direct expense	\$ 5,295	\$ 12,441	\$ 32,151	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,888
Investment	\$ 27,099	\$ 63,702	\$ 164,532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	255,333
Support expenses	\$ 1,053	\$ 2,328	\$ 8,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,860
Subtotal, with misc spt	\$ 6,348	\$ 14,769	\$ 40,630	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	61,748
Total, with var overhead	\$ 7,009	\$ 16,305	\$ 44,856	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,170
with carrier-to-carrier	\$ 7,014	\$ 16,321	\$ 44,979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	68,315
Dedicated Transport Transmission										
Annual Capital Cost	\$ 2,566	\$ 3,731	\$ 16,326	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,622
Network Expenses	\$ 201	\$ 292	\$ 1,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,772
Direct expense	\$ 2,767	\$ 4,023	\$ 17,605	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,394
Investment	\$ 13,134	\$ 19,099	\$ 83,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	115,810
Support expenses	\$ 550	\$ 753	\$ 4,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,946
Subtotal, with misc spt	\$ 3,317	\$ 4,776	\$ 22,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,340
Total, with var overhead	\$ 3,662	\$ 5,272	\$ 24,562	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,496
with carrier-to-carrier	\$ 3,665	\$ 5,278	\$ 24,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,571
Direct Transport										
Annual Capital Cost	\$ 7,172	\$ 95,802	\$ 6,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	109,829
Network Expenses	\$ 1,822	\$ 24,371	\$ 1,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,935
Direct expense	\$ 8,994	\$ 120,172	\$ 8,598	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	137,764
Investment	\$ 46,026	\$ 615,387	\$ 43,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	705,411
Support expenses	\$ 1,788	\$ 22,484	\$ 2,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,540
Subtotal, with misc spt	\$ 10,782	\$ 142,657	\$ 10,865	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	164,304
Total, with var overhead	\$ 11,904	\$ 157,493	\$ 11,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	181,392
with carrier-to-carrier	\$ 11,913	\$ 157,649	\$ 12,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	181,590
Direct Transport Transmission										
Annual Capital Cost	\$ 3,065	\$ 30,348	\$ 4,366	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,778
Network Expenses	\$ 240	\$ 2,377	\$ 342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,959
Direct expense	\$ 3,305	\$ 32,725	\$ 4,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40,737
Investment	\$ 15,689	\$ 155,357	\$ 22,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	193,395
Support expenses	\$ 657	\$ 6,123	\$ 1,242	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,022
Subtotal, with misc spt	\$ 3,962	\$ 38,647	\$ 5,949	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,759
Total, with var overhead	\$ 4,374	\$ 42,887	\$ 6,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,830
with carrier-to-carrier	\$ 4,377	\$ 42,930	\$ 6,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,894
Common Transport										
Annual Capital Cost	\$ 19,069	\$ 234,225	\$ 23,611	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	276,905
Network Expenses	\$ 4,843	\$ 59,584	\$ 6,003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,430
Direct expense	\$ 23,912	\$ 293,809	\$ 29,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	347,335
Investment	\$ 122,368	\$ 1,504,582	\$ 151,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,778,500
Support expenses	\$ 4,755	\$ 54,972	\$ 7,811	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	67,537
Subtotal, with misc spt	\$ 28,667	\$ 348,781	\$ 37,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	414,872
Total, with var overhead	\$ 31,648	\$ 385,054	\$ 41,317	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	458,019
with carrier-to-carrier	\$ 31,674	\$ 385,435	\$ 41,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	458,539

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	\$ 8,463	\$ 73,603	\$ 15,038	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	97,104
Network Expenses	\$ 663	\$ 5,765	\$ 1,178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,606
Direct expense	\$ 9,126	\$ 79,368	\$ 16,216	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,709
Investment	\$ 43,323	\$ 376,793	\$ 76,983	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	497,099
Support expenses	\$ 1,815	\$ 14,850	\$ 4,277	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,941
Subtotal, with misc spt	\$ 10,940	\$ 94,218	\$ 20,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	125,651
Total, with var overhead	\$ 12,078	\$ 104,017	\$ 22,624	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	138,718
with carrier-to-carrier	\$ 12,088	\$ 104,119	\$ 22,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	138,893
Tandem Switching										
Annual Capital Cost	\$ 377	\$ 1,791	\$ 888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,056
Network Expenses	\$ 201	\$ 957	\$ 474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,632
Direct expense	\$ 578	\$ 2,748	\$ 1,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,689
Investment	\$ 2,419	\$ 11,505	\$ 5,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,628
Support expenses	\$ 115	\$ 514	\$ 359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	988
Subtotal, with misc spt	\$ 693	\$ 3,262	\$ 1,722	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,677
Total, with var overhead	\$ 765	\$ 3,602	\$ 1,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,267
with carrier-to-carrier	\$ 765	\$ 3,605	\$ 1,906	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,277
Operator Systems										
Annual Capital Cost	\$ 3,312	\$ 44,482	\$ 3,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,435
Network Expenses	\$ 2,287	\$ 18,073	\$ 4,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,709
Direct expense	\$ 5,600	\$ 62,555	\$ 7,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	76,144
Investment	\$ 20,946	\$ 285,258	\$ 22,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	328,647
Support expenses	\$ 920	\$ 10,530	\$ 1,731	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,181
Subtotal, with misc spt	\$ 6,519	\$ 73,085	\$ 9,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	89,325
Total, with var overhead	\$ 7,197	\$ 80,686	\$ 10,731	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	98,614
with carrier-to-carrier	\$ 7,203	\$ 80,767	\$ 10,761	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	98,732
Public Telephone										
Annual Capital Cost	\$ 780	\$ 383	\$ 4,930	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,094
Network Expenses	\$ 718	\$ 353	\$ 4,536	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,607
Direct expense	\$ 1,498	\$ 736	\$ 9,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,700
Investment	\$ 3,817	\$ 1,874	\$ 24,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,804
Support expenses	\$ 246	\$ 124	\$ 2,051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,421
Subtotal, with misc spt	\$ 1,745	\$ 860	\$ 11,518	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,122
Total, with var overhead	\$ 1,926	\$ 949	\$ 12,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,590
with carrier-to-carrier	\$ 1,928	\$ 950	\$ 12,752	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,629
Totals										
Annual Capital Cost	\$ 699,518	\$ 2,743,396	\$ 490,436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,933,350
Network Expenses	\$ 167,674	\$ 665,109	\$ 124,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	957,403
Total	\$ 867,192	\$ 3,408,505	\$ 615,057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,890,753
Investment	\$ 4,318,818	\$ 16,864,861	\$ 2,982,216	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,165,895
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 36,221	\$ 141,442	\$ 25,011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	202,674
Network Operations	\$ 17,102	\$ 81,337	\$ 43,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	141,876
Network Support	\$ 2,495	\$ 9,806	\$ 1,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,071
Other Taxes	\$ 50,482	\$ 199,114	\$ 37,416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	287,012
Misc Expenses	\$ 36,145	\$ 142,069	\$ 25,636	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	203,850
Subtotal	\$ 142,445	\$ 573,768	\$ 133,271	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	849,483
Carrier-carrier customer svc	\$ 929	\$ 4,419	\$ 2,360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,708
Interoffice/Switching Net Ops	\$ 4,402	\$ 20,935	\$ 11,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,516
Interoffice/Sw Exp	\$ 127,226	\$ 1,115,505	\$ 237,552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,480,283
Total Network Costs										
	\$ 1,014,038	\$ 4,003,207	\$ 759,507	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,776,752
Other costs										
Other Taxes	\$ 50,482	\$ 199,114	\$ 37,416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	287,012
Monthly Cost Factors										
Loop	0.02200	0.02210	0.02219	-	-	-	-	-	-	0.02241
Port	0.00929	0.00976	0.01293	-	-	-	-	-	-	0.00724
Switching	0.01233	0.00764	0.01677	-	-	-	-	-	-	0.00961
Signaling	0.00997	0.00398	0.01813	-	-	-	-	-	-	0.00569
Transport	0.00925	0.00433	0.01074	-	-	-	-	-	-	0.00569
Billing/Bill Inquiries (per line)	2.74	2.74	2.74	-	-	-	-	-	-	2.74
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	0.30	0.30	0.30	-	-	-	-	-	-	0.30
Inverse Carrier to Carrier Expense Factors										
	99.9191%	99.9012%	99.7257%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8907%

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	\$ 5,925	0%	100%	\$ -	\$ 5,925
Furniture - Expenses	\$ 4,549	0%	100%	\$ -	\$ 4,549
Office Equipment - Capital Costs	\$ 16,914	0%	100%	\$ -	\$ 16,914
Office Equipment - Expenses	\$ 9,638	0%	100%	\$ -	\$ 9,638
General Purpose Computer - Capital Costs	\$ 35,345	0%	100%	\$ -	\$ 35,345
General Purpose Computer - Expenses	\$ 93,181	0%	100%	\$ -	\$ 93,181
Motor Vehicles - Capital Costs	\$ 21,328	0%	100%	\$ -	\$ 21,328
Motor Vehicles - Expenses	\$ 7,452	0%	100%	\$ -	\$ 7,452
Buildings - Capital Costs	\$ 42,630	0%	100%	\$ -	\$ 42,630
Buildings - Expenses	\$ 31,121	0%	100%	\$ -	\$ 31,121
Garage Work Eqpt. - Capital Costs	\$ 624	0%	100%	\$ -	\$ 624
Garage Work Eqpt. - Expenses	\$ 217	0%	100%	\$ -	\$ 217
Other Work Eqpt. - Capital Costs	\$ 14,923	0%	100%	\$ -	\$ 14,923
Other Work Eqpt. - Expenses	\$ 1,890	0%	100%	\$ -	\$ 1,890
Total General Support	\$ 285,739			\$ -	\$ 285,739
Network Operations	\$ 96,386	0%	100%	\$ -	\$ 96,386
Other Taxes	\$ 194,987	0%	100%	\$ -	\$ 194,987
Variable Overhead	\$ 405,573	0%	100%	\$ -	\$ 405,573
Totals	\$ 577,112			\$ -	\$ 982,685

	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	\$ 732,868	\$ 2,229,709	\$ 360,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,322,626
Non-Loop-related direct costs	\$ 134,324	\$ 1,178,795	\$ 255,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,568,127
Total	\$ 867,192	\$ 3,408,505	\$ 615,057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,890,753
Loop Fraction	84.51%	65.42%	58.54%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	67.94%
Network Operations	\$ 17,102	\$ 81,337	\$ 43,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 141,876

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 8,722	\$ 5,925	\$ 2,796
Furniture - Expenses	\$ 6,696	\$ 4,549	\$ 2,147
Office Equipment - Capital Costs	\$ 24,897	\$ 16,914	\$ 7,983
Office Equipment - Expenses	\$ 14,187	\$ 9,638	\$ 4,549
General Purpose Computer - Capital Costs	\$ 52,026	\$ 35,345	\$ 16,681
General Purpose Computer - Expenses	\$ 137,158	\$ 93,181	\$ 43,977
Motor Vehicles - Capital Costs	\$ 31,394	\$ 21,328	\$ 10,066

Exp Assignment

Motor Vehicles - Expenses	\$ 10,968	\$ 7,452	\$ 3,517	
Buildings - Capital Costs	\$ 62,750	\$ 42,630	\$ 20,120	
Buildings - Expenses	\$ 45,809	\$ 31,121	\$ 14,688	
Garage Work Eqpt. - Capital Costs	\$ 919	\$ 624	\$ 295	
Garage Work Eqpt. - Expenses	\$ 320	\$ 217	\$ 103	
Other Work Eqpt. - Capital Costs	\$ 21,966	\$ 14,923	\$ 7,043	
Other Work Eqpt. - Expenses	\$ 2,782	\$ 1,890	\$ 892	
Total General Support	\$ 420,595	\$ 285,739	\$ 134,856	
Network Operations	\$ 141,876	\$ 96,386	\$ 45,490	
Other Taxes Calculation				
Total Direct Costs	\$ 4,890,753	\$ 3,322,626	\$ 1,568,127	\$ 4,890,753
Total Network Operations	\$ 141,876	\$ 96,386	\$ 45,490	\$ 141,876
Total General Support	\$ 420,595	\$ 285,739	\$ 134,856	\$ 504,933
Total	\$ 5,453,224	\$ 3,704,751	\$ 1,748,473	
Other Taxes	\$ 287,012	\$ 194,987	\$ 92,025	\$ 791,944
Total Expenses and Other Taxes	\$ 5,740,236	\$ 3,899,738	\$ 1,840,498	
Variable Overhead Calculation				
Variable Overhead	\$ 596,985	\$ 405,573	\$ 191,412	
Total Cost with Variable Overhead	6,337,220	4,305,311	2,031,909	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 6,941
total \$ 6,941

Distribution (DLC)

per line cost \$ -
per direct cost \$ 538,923
total \$ 538,923

Distribution (non-DLC)

per line cost \$ -
per direct cost \$ 7,228
total \$ 7,228

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 102,516
total \$ 102,516

Concentrator (non-DLC)

per line cost \$ -
per direct cost \$ 32
total \$ 32

Feeder (DLC)

per line cost \$ -
per direct cost \$ 325,800
total \$ 325,800

Feeder (non-DLC)

Exp Assignment

<i>per line cost</i>	\$	-
<i>per direct cost</i>	\$	1,246
<i>total</i>	\$	1,246

End Office Switching	\$	955,945
Signaling	\$	42,782
Dedicated Transport	\$	64,642
Dedicated Transport Transmission	\$	31,609
Direct Transport	\$	178,508
Direct Transport Transmission	\$	52,785
Common Transport	\$	450,061
Common Transport Transmission	\$	135,678
Tandem Switching	\$	6,075
Operator Systems	\$	98,664
Public Telephone	\$	15,161

COST SUMMARY

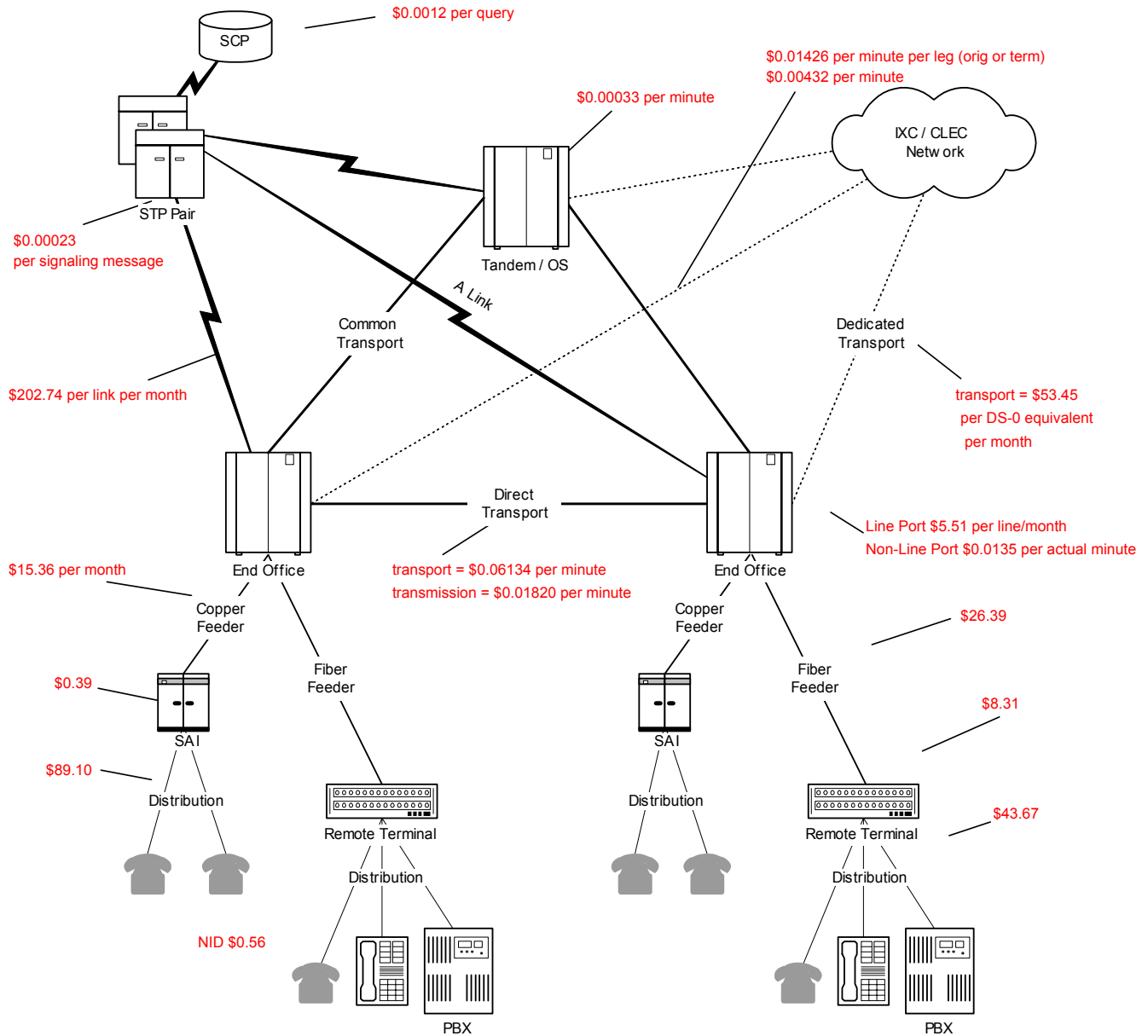
Missouri Kingdom Telephone Company

			1	2	1 + 2	3	1 + 2 + 3		
Network Element	Investment *	% of total investment	Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	Total (with carrier-to-carrier)	
NID	\$ 121,956	0.5%	\$ 19,514	\$ 3,954	\$ 23,467	\$ 6,941	\$ 30,408	\$ 30,452	
<i>Distribution (DLC)</i>	9,081,098	37.6%	1,464,280	357,912	1,822,192	538,923	2,361,116	2,363,996	
<i>Distribution (non-DLC)</i>	121,730	0.5%	19,643	4,795	24,438	7,228	31,665	31,692	
Distribution (all)	9,202,828	38.1%	1,483,923	362,707	1,846,630	546,151	2,392,781	2,395,687	
<i>Concentrator (DLC)</i>	1,652,843	6.8%	321,122	25,501	346,623	102,516	449,139	449,681	
<i>Concentrator (non-DLC)</i>	600	0.0%	96	12	108	32	140	140	
Concentrator (all)	1,653,443	6.8%	321,218	25,513	346,731	102,548	449,279	449,821	
<i>Feeder (DLC)</i>	5,623,294	23.3%	878,224	223,361	1,101,584	325,800	1,427,384	1,428,944	
<i>Feeder (non-DLC)</i>	20,727	0.1%	3,388	825	4,213	1,246	5,459	5,463	
Feeder (all)	5,644,021	23.4%	881,612	224,185	1,105,797	327,046	1,432,843	1,434,408	
End Office Switching	3,456,365	14.3%	556,252	181,499	737,751	148,386	886,137	979,551	
Signaling	163,654	0.7%	26,234	6,783	33,017	6,443	39,460	43,614	
Dedicated Transport	255,333	1.1%	39,774	10,113	49,888	11,860	61,748	68,315	
Dedicated Transport Transmission	115,810	0.5%	22,622	1,772	24,394	5,946	30,340	33,571	
Direct Transport	705,411	2.9%	109,829	27,935	137,764	26,540	164,304	181,590	
Direct Transport Transmission	193,395	0.8%	37,778	2,959	40,737	8,022	48,759	53,894	
Common Transport	1,778,500	7.4%	276,905	70,430	347,335	67,537	414,872	458,539	
Common Transport Transmission	497,099	2.1%	97,104	7,606	104,709	20,941	125,651	138,893	
Tandem Switching	19,628	0.1%	3,056	1,632	4,689	988	5,677	6,277	
Operator Systems	328,647	1.4%	51,435	24,709	76,144	13,181	89,325	98,732	
Public Telephone	29,804	0.1%	6,094	5,607	11,700	2,421	14,122	15,629	
Total Network Cost									
Total	\$ 24,165,895	100%	\$ 3,933,350	\$ 957,403	\$ 4,890,753	\$ 1,294,952	\$ 6,185,705	\$ 6,388,974	

* Post sharing

Unbundled Network Elements

Missouri / Kingdom Telephone Company



USOA Detail Breakdown of HAI Model Costs

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	45
2112	MOTOR VEHICLES	164
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	5
2116	OTHER WORK EQUIPMENT	128
2121	BUILDINGS	743
2122	FURNITURE	55
2123.1	OFFICE SUPPORT EQUIPMENT	140
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	215
2110	TOTAL LAND & SUPPORT ASSETS	1,495
2212	DIGITAL ELECTRONIC SWITCHING	3,146
2220	OPERATOR SYSTEMS	10
2232	CIRCUIT EQUIPMENT	2,483
2351	PUBLIC TEL TERMINAL EQUIPMENT	30
2411	POLES	451
2421.1	AERIAL CABLE - METALLIC	202
2421.2	AERIAL CABLE - NonMETALLIC	273
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	8,885
2423.2	BURIED CABLE - NonMETALLIC	8,313
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	18,125
	Total TPIS (before amortizable assets)*	25,288

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

**Kingdom Telephone Company
Missouri**

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	11
6113	AIRCRAFT	4
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	3
6110	NETWORK SUPPORT	18
6121	LAND & BUILDINGS	91
6122	FURNITURE	8
6123	OFFICE EQUIPMENT	17
6124	GENERAL PURPOSE COMPUTERS	164
6120	LAND & SUPPORT ASSETS	280
6212	DIGITAL ELECTRONIC SWITCHING	149
6220	OPERATOR SYSTEMS	12
6232	CIRCUIT EQUIPMENT	40
6351	PUBLIC TEL TERMINAL EQUIPMENT	6
6411	POLES	19
6421	AERIAL CABLE	30
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	666
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	715
	Total Plant Specific Expenses	1,219
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	178
6561	DEPRECIATION TPIS	1,472
6623	CUSTOMER SERVICES	8
	Total Plant Nonspecific Operations	1,658
	TOTAL CORPORATE OPERATIONS	601
	TOTAL OPERATING EXPENSES	3,479
7240	OPERATING OTHER TAXES	287
	TOTAL EXPENSES & OPERATING TAXES	3,766

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	16
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	9
2121	48.73	0.02052	15
2122	18.36	0.05449	3
2123.1	12.44	0.08052	11
2123.2	7.99	0.12517	-
2124	6.61	0.15223	33
2110			
2212	17.17	0.05827	183
2220	9.25	0.10829	1
2232	9.90	0.10108	251
2351	8.98	0.11145	3
2411	8.38	0.11972	54
2421.1	13.61	0.07355	15
2421.2	18.92	0.05286	14
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	484
2423.2	21.97	0.04551	378
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>1,472</i>

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>851,500</i>
Aerial-m portion	18,935
Buried-m portion	832,565

<i>OS Trks + Signaling links</i>	<i>440,307</i>
Circuit Eqpt. portion	73,385
Pole portion	6,210
Aerial-nm portion	10,431
Underground-nm portion	-
Buried-nm portion	350,282
Conduit portion	-

<i>SAI</i>	<i>50,000</i>
Aerial-m portion	6
Aerial-nm portion	1,666
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	170
Buried-nm portion	48,159

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>32,231</i>
Aerial portion	1,553
Buried portion	30,678

<i>OS Trks + Signaling links</i>	<i>17,066</i>
Circuit Eqpt. portion	2,844
Pole portion	251
Aerial-nm portion	642
Underground-nm portion	-
Buried-nm portion	13,329
Conduit portion	-

<i>SAI</i>	<i>980</i>
Aerial portion	33
Underground portion	-
Buried portion	947

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	\$ 9,774	\$ 38,167	\$ 6,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,691
office equipment	24,981	97,549	17,250	-	-	-	-	-	-	139,779
general purpose computers	38,415	150,009	26,526	-	-	-	-	-	-	214,950
motor vehicles	29,393	114,779	20,296	-	-	-	-	-	-	164,468
buildings	74,241	289,911	51,265	-	-	-	-	-	-	415,417
garage work equipment	843	3,294	582	-	-	-	-	-	-	4,720
other work equipment	22,905	89,444	15,816	-	-	-	-	-	-	128,165
										-
TOTAL	\$ 200,553	\$ 783,153	\$ 138,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,122,191
Levelized Cost of Capital										
furniture	\$ 1,559	\$ 6,087	\$ 1,076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,722
office equipment	4,450	17,375	3,072	-	-	-	-	-	-	24,897
general purpose computers	9,298	36,308	6,420	-	-	-	-	-	-	52,026
motor vehicles	5,611	21,909	3,874	-	-	-	-	-	-	31,394
buildings	11,214	43,792	7,744	-	-	-	-	-	-	62,750
garage work equipment	164	641	113	-	-	-	-	-	-	919
other work equipment	3,926	15,330	2,711	-	-	-	-	-	-	21,966
TOTAL	\$ 36,221	\$ 141,442	\$ 25,011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	202,674

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	\$ 554,639	\$ 2,392,850	\$ 618,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,565,696
aerial cable	28,069	121,096	31,286	-	-	-	-	-	-	180,450
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	763,209	3,242,723	351,822	-	-	-	-	-	-	4,357,755
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	47,806	183,023	22,518	-	-	-	-	-	-	253,347
terminal	43,655	219,511	58,614	-	-	-	-	-	-	321,780
drop	55,810	279,773	66,488	-	-	-	-	-	-	402,071
TOTAL	\$ 1,493,188	\$ 6,438,975	\$ 1,148,935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,081,098
	16.44%	70.91%	12.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 88,452	\$ 381,605	\$ 98,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	568,647
aerial cable	4,846	20,909	5,402	-	-	-	-	-	-	31,157
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	121,714	517,140	56,108	-	-	-	-	-	-	694,962
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	10,132	38,790	4,772	-	-	-	-	-	-	53,694
terminal	6,985	35,123	9,379	-	-	-	-	-	-	51,486
drop	8,930	44,765	10,638	-	-	-	-	-	-	64,333
TOTAL	\$ 241,060	\$ 1,038,332	\$ 184,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,464,280
Network Expenses										
buried cable	21,563	93,030	24,035	-	-	-	-	-	-	138,629
aerial cable	1,765	7,615	1,967	-	-	-	-	-	-	11,348
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	29,672	126,072	13,678	-	-	-	-	-	-	169,422
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	1,973	7,554	929	-	-	-	-	-	-	10,456
terminal	1,692	8,508	2,272	-	-	-	-	-	-	12,472
drop	2,163	10,844	2,577	-	-	-	-	-	-	15,584
TOTAL	\$ 58,829	\$ 253,624	\$ 45,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	357,912
Summary										
Cost of Capital	\$ 241,060	\$ 1,038,332	\$ 184,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,464,280
Network Expense	58,829	253,624	45,459	-	-	-	-	-	-	357,912
TOTAL	\$ 299,889	\$ 1,291,955	\$ 230,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,192
Copper Feeder										
Distribution Investment										
buried cable	\$ 44,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	44,466
aerial cable	2,250	-	-	-	-	-	-	-	-	2,250
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	65,568	-	-	-	-	-	-	-	-	65,568
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	3,753	-	-	-	-	-	-	-	-	3,753
terminal	2,499	-	-	-	-	-	-	-	-	2,499
drop	3,194	-	-	-	-	-	-	-	-	3,194
TOTAL	\$ 121,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	121,730
	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 7,091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,091
aerial cable	389	-	-	-	-	-	-	-	-	389
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	10,457	-	-	-	-	-	-	-	-	10,457
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	795	-	-	-	-	-	-	-	-	795
terminal	400	-	-	-	-	-	-	-	-	400
drop	511	-	-	-	-	-	-	-	-	511
TOTAL	\$ 19,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,643
Network Expenses										
buried cable	\$ 1,729	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,729
aerial cable	142	-	-	-	-	-	-	-	-	142

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	\$ 2,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,549
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	155	-	-	-	-	-	-	-	-	155
terminal	97	-	-	-	-	-	-	-	-	97
drop	124	-	-	-	-	-	-	-	-	124
TOTAL	\$ 4,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,795
Summary										
Cost of Capital	\$ 19,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,643
Network Expense	4,795	-	-	-	-	-	-	-	-	4,795
TOTAL	\$ 24,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,438
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
Distribution Investment										
buried cable	\$ 599,105	\$ 2,392,850	\$ 618,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,610,162
aerial cable	\$ 30,319	\$ 121,096	\$ 31,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	182,701
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 828,777	\$ 3,242,723	\$ 351,822	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,423,322
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 51,559	\$ 183,023	\$ 22,518	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	257,100
terminal	\$ 46,154	\$ 219,511	\$ 58,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	324,279
drop	\$ 59,004	\$ 279,773	\$ 66,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	405,265
TOTAL	\$ 1,614,918	\$ 6,438,975	\$ 1,148,935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,202,828
	17.55%	69.97%	12.48%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 95,544	\$ 381,605	\$ 98,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	575,738
aerial cable	\$ 5,235	\$ 20,909	\$ 5,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,546
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 132,171	\$ 517,140	\$ 56,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	705,419
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 10,927	\$ 38,790	\$ 4,772	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,489
terminal	\$ 7,385	\$ 35,123	\$ 9,379	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,886
drop	\$ 9,441	\$ 44,765	\$ 10,638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64,845
TOTAL	\$ 260,703	\$ 1,038,332	\$ 184,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,483,923
Network Expenses										
buried cable	\$ 23,292	\$ 93,030	\$ 24,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	140,357
aerial cable	\$ 1,907	\$ 7,615	\$ 1,967	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,490
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 32,222	\$ 126,072	\$ 13,678	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	171,972
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 2,128	\$ 7,554	\$ 929	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,611
terminal	\$ 1,789	\$ 8,508	\$ 2,272	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,569
drop	\$ 2,287	\$ 10,844	\$ 2,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,708
TOTAL	\$ 63,624	\$ 253,624	\$ 45,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	362,707
Summary										
Cost of Capital	\$ 260,703	\$ 1,038,332	\$ 184,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,483,923
Network Expense	63,624	253,624	45,459	-	-	-	-	-	-	362,707
TOTAL	\$ 324,327	\$ 1,291,955	\$ 230,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,846,630
NID Cost										
NID Investment	\$ 15,944	\$ 75,633	\$ 30,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	121,956
Levelized Cost of Capital	2,551	12,102	4,861	-	-	-	-	-	-	19,514
Network Expenses	550	2,607	797	-	-	-	-	-	-	3,954
TOTAL	\$ 3,101	\$ 14,709	\$ 5,658	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,467

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	\$ 328,981	\$ 1,079,362	\$ 195,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,603,443
SAI Investment	6,950	32,850	9,600	-	-	-	-	-	-	49,400
										\$ -
TOTAL	\$ 335,931 20.32%	\$ 1,112,212 67.29%	\$ 204,700 12.38%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	1,652,843 100.00%
Levelized Cost of Capital										
DLC	\$ 64,263	\$ 210,844	\$ 38,111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	313,218
SAI	1,112	5,256	1,536	-	-	-	-	-	-	7,904
TOTAL	\$ 65,375	\$ 216,100	\$ 39,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,122
Network Expenses										
DLC	\$ 5,033	\$ 16,514	\$ 2,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,533
SAI	136	644	188	-	-	-	-	-	-	968
TOTAL	\$ 5,170	\$ 17,158	\$ 3,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,501
Summary										
Cost of Capital	\$ 65,375	\$ 216,100	\$ 39,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,122
Network Expense	5,170	17,158	3,173	-	-	-	-	-	-	25,501
TOTAL	\$ 70,545	\$ 233,258	\$ 42,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	346,623
	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	600	-	-	-	-	-	-	-	-	600
TOTAL	\$ 600 100.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	600 100.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	96	-	-	-	-	-	-	-	-	96
TOTAL	\$ 96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	12	-	-	-	-	-	-	-	-	12
TOTAL	\$ 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12
Summary										
Cost of Capital	\$ 96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96
Network Expense	12	-	-	-	-	-	-	-	-	12
TOTAL	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	108
	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	\$ 328,981	\$ 1,079,362	\$ 195,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,603,443
SAI Investment	7,550	32,850	9,600	-	-	-	-	-	-	50,000
TOTAL	\$ 336,531 20.35%	\$ 1,112,212 67.27%	\$ 204,700 12.38%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	1,653,443 100.00%

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	\$	64,263	\$	210,844	\$	38,111	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	313,218
SAI		1,208		5,256		1,536		-		-		-		-		-		-	8,000
TOTAL	\$	65,471	\$	216,100	\$	39,647	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	321,218
Network Expenses																			
DLC	\$	5,033	\$	16,514	\$	2,985	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	24,533
SAI		148		644		188		-		-		-		-		-		-	980
TOTAL	\$	5,181	\$	17,158	\$	3,173	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	25,513
Summary																			
Cost of Capital	\$	65,471	\$	216,100	\$	39,647	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	321,218
Network Expense		5,181		17,158		3,173		-		-		-		-		-		-	25,513
TOTAL	\$	70,653	\$	233,258	\$	42,820	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	346,731

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	1,360,244	2,190,051	164,615	-	-	-	-	-	-	3,714,910
fiber buried cable	67,548	107,493	8,258	-	-	-	-	-	-	183,299
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	244,168	1,122,245	218,640	-	-	-	-	-	-	1,585,053
poles	20,398	98,961	20,673	-	-	-	-	-	-	140,032
TOTAL	\$ 1,692,358	\$ 3,518,750	\$ 412,185	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,623,294
	30.10%	62.57%	7.33%	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	210,324	338,631	25,453	-	-	-	-	-	-	574,409
fiber aerial cable	10,706	17,037	1,309	-	-	-	-	-	-	29,052
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	37,754	173,524	33,807	-	-	-	-	-	-	245,085
poles	4,323	20,974	4,381	-	-	-	-	-	-	29,678
TOTAL	\$ 263,107	\$ 550,166	\$ 64,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 878,224
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	52,884	85,146	6,400	-	-	-	-	-	-	144,430
fiber aerial cable	4,248	6,760	519	-	-	-	-	-	-	11,527
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	9,493	43,631	8,500	-	-	-	-	-	-	61,624
poles	842	4,084	853	-	-	-	-	-	-	5,779
TOTAL	\$ 67,467	\$ 139,621	\$ 16,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 223,361
Summary										
Cost of Capital	\$ 263,107	\$ 550,166	\$ 64,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 878,224
Network Expense	67,467	139,621	16,273	-	-	-	-	-	-	223,361
TOTAL	\$ 330,574	\$ 689,787	\$ 81,223	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,101,584

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	12,625	-	-	-	-	-	-	-	-	12,625
copper aerial cable	639	-	-	-	-	-	-	-	-	639
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	6,048	-	-	-	-	-	-	-	-	6,048
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	1,416	-	-	-	-	-	-	-	-	1,416
TOTAL	\$ 20,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,727
	100.00%	0.00%	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	2,013	-	-	-	-	-	-	-	-	2,013
copper aerial cable	110	-	-	-	-	-	-	-	-	110
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	965	-	-	-	-	-	-	-	-	965

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	300	-	-	-	-	-	-	-	-	300
TOTAL	\$ 3,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,388
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	491	-	-	-	-	-	-	-	-	491
copper aerial cable	40	-	-	-	-	-	-	-	-	40
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	235	-	-	-	-	-	-	-	-	235
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	58	-	-	-	-	-	-	-	-	58
TOTAL	\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	825
Summary										
Cost of Capital	\$ 3,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,388
Network Expense	825	-	-	-	-	-	-	-	-	825
TOTAL	\$ 4,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,213
	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	12,625	-	-	-	-	-	-	-	-	12,625
copper buried cable	639	-	-	-	-	-	-	-	-	639
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	1,360,244	2,190,051	164,615	-	-	-	-	-	-	3,714,910
fiber aerial cable	67,548	107,493	8,258	-	-	-	-	-	-	183,299
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	6,048	-	-	-	-	-	-	-	-	6,048
fiber buried placement	244,168	1,122,245	218,640	-	-	-	-	-	-	1,585,053
poles	21,814	98,961	20,673	-	-	-	-	-	-	141,447
TOTAL	\$ 1,713,086	\$ 3,518,750	\$ 412,185	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	5,644,021
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	2,013	-	-	-	-	-	-	-	-	2,013
copper aerial cable	110	-	-	-	-	-	-	-	-	110
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	210,324	338,631	25,453	-	-	-	-	-	-	574,409
fiber aerial cable	10,706	17,037	1,309	-	-	-	-	-	-	29,052
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	965	-	-	-	-	-	-	-	-	965
fiber buried placement	37,754	173,524	33,807	-	-	-	-	-	-	245,085
poles	4,623	20,974	4,381	-	-	-	-	-	-	29,978
TOTAL	\$ 266,496	\$ 550,166	\$ 64,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	881,612
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	491	-	-	-	-	-	-	-	-	491
copper aerial cable	40	-	-	-	-	-	-	-	-	40
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	52,884	85,146	6,400	-	-	-	-	-	-	144,430
fiber aerial cable	4,248	6,760	519	-	-	-	-	-	-	11,527
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	235	-	-	-	-	-	-	-	-	235
fiber buried placement	9,493	43,631	8,500	-	-	-	-	-	-	61,624
poles	900	4,084	853	-	-	-	-	-	-	5,838
TOTAL	\$ 68,291	\$ 139,621	\$ 16,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	224,185
Summary										
Cost of Capital	\$ 266,496	\$ 550,166	\$ 64,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	881,612
Network Expense	68,291	139,621	16,273	-	-	-	-	-	-	224,185
TOTAL	\$ 334,787	\$ 689,787	\$ 81,223	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,105,797

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	\$ 296,652	\$ 2,320,907	\$ 483,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,101,365
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	30,720	199,378	79,901	-	-	-	-	-	-	310,000
land	4,635	28,229	12,136	-	-	-	-	-	-	45,000
TOTAL	\$ 332,007	\$ 2,548,515	\$ 575,844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,456,365
	9.61%	73.73%	16.66%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 48,003	\$ 375,563	\$ 78,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	501,854
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	4,640	30,117	12,069	-	-	-	-	-	-	46,826
land	780	4,750	2,042	-	-	-	-	-	-	7,571
TOTAL	\$ 53,424	\$ 410,429	\$ 92,399	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	556,252
Network Expenses										
end office switching	\$ 14,091	\$ 110,243	\$ 22,981	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	147,315
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	3,388	21,986	8,811	-	-	-	-	-	-	34,184
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 17,479	\$ 132,229	\$ 31,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	181,499
Summary										
Cost of Capital	\$ 53,424	\$ 410,429	\$ 92,399	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	556,252
Network Expense	17,479	132,229	31,792	-	-	-	-	-	-	181,499
TOTAL	\$ 70,902	\$ 542,658	\$ 124,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	737,751

Signaling

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Signaling Investment										
SCP	\$ 1,374	\$ 6,537	\$ 3,241	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,152
SCP wire center	220	1,046	519	-	-	-	-	-	-	1,784
STP	3,024	14,381	7,130	-	-	-	-	-	-	24,535
signaling links	6,893	115,255	4,033	-	-	-	-	-	-	126,181
TOTAL	\$ 11,511	\$ 137,219	\$ 14,924	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	163,654
	7.03%	83.85%	9.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 222	\$ 1,058	\$ 524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,805
SCP wire center	33	158	78	-	-	-	-	-	-	270
STP	489	2,327	1,154	-	-	-	-	-	-	3,970
signaling links	1,103	18,441	645	-	-	-	-	-	-	20,190
TOTAL	\$ 1,848	\$ 21,984	\$ 2,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,234
Network Expenses										
SCP	\$ 65	\$ 311	\$ 154	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	530
SCP wire center	24	115	57	-	-	-	-	-	-	197
STP	144	683	339	-	-	-	-	-	-	1,165
signaling links	267	4,467	156	-	-	-	-	-	-	4,891
TOTAL	\$ 500	\$ 5,576	\$ 706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,783
Summary										
Cost of Capital	\$ 1,848	\$ 21,984	\$ 2,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,234
Network Expense	500	5,576	706	-	-	-	-	-	-	6,783
TOTAL	\$ 2,348	\$ 27,560	\$ 3,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,017

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	25,823	60,808	156,767	-	-	-	-	-	-	243,398
aerial cable	771	1,819	4,709	-	-	-	-	-	-	7,300
poles	506	1,075	3,055	-	-	-	-	-	-	4,635
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 27,099	\$ 63,702	\$ 164,532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	255,333
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	3,993	9,402	24,240	-	-	-	-	-	-	37,635
aerial cable	122	288	746	-	-	-	-	-	-	1,157
poles	107	228	647	-	-	-	-	-	-	982
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,222	\$ 9,918	\$ 25,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,774
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,004	2,364	6,095	-	-	-	-	-	-	9,463
aerial cable	48	114	296	-	-	-	-	-	-	459
poles	21	44	126	-	-	-	-	-	-	191
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,073	\$ 2,523	\$ 6,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,113
Summary										
Cost of Capital	\$ 4,222	\$ 9,918	\$ 25,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,774
Network Expense	1,073	2,523	6,517	-	-	-	-	-	-	10,113
TOTAL	\$ 5,295	\$ 12,441	\$ 32,151	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,888
Transmission Terminal										
investment	\$ 13,134	\$ 19,099	\$ 83,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	115,810
levelized cost of capital	2,566	3,731	16,326	-	-	-	-	-	-	22,622
network expenses	201	292	1,279	-	-	-	-	-	-	1,772
TOTAL	\$ 2,767	\$ 4,023	\$ 17,605	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,394

Direct Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Direct Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	43,888	587,713	41,922	-	-	-	-	-	-	673,523
aerial cable	1,252	17,538	1,259	-	-	-	-	-	-	20,049
poles	886	10,137	817	-	-	-	-	-	-	11,839
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 46,026	\$ 615,387	\$ 43,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	705,411
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	6,786	90,874	6,482	-	-	-	-	-	-	104,142
aerial cable	198	2,780	200	-	-	-	-	-	-	3,178
poles	188	2,148	173	-	-	-	-	-	-	2,509
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,172	\$ 95,802	\$ 6,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	109,829
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,706	22,849	1,630	-	-	-	-	-	-	26,185
aerial cable	79	1,103	79	-	-	-	-	-	-	1,261
poles	37	418	34	-	-	-	-	-	-	489
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,822	\$ 24,371	\$ 1,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,935
Summary										
Cost of Capital	\$ 7,172	\$ 95,802	\$ 6,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	109,829
Network Expense	1,822	24,371	1,743	-	-	-	-	-	-	27,935
TOTAL	\$ 8,994	\$ 120,172	\$ 8,598	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	137,764
Transmission Terminal										
investment	\$ 15,689	\$ 155,357	\$ 22,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	193,395
levelized cost of capital	3,065	30,348	4,366	-	-	-	-	-	-	37,778
network expenses	240	2,377	342	-	-	-	-	-	-	2,959
TOTAL	\$ 3,305	\$ 32,725	\$ 4,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40,737

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	116,681	1,437,012	144,399	-	-	-	-	-	-	1,698,092
aerial cable	3,336	42,848	4,338	-	-	-	-	-	-	50,521
poles	2,351	24,722	2,814	-	-	-	-	-	-	29,887
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 122,368	\$ 1,504,582	\$ 151,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,778,500
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	18,042	222,194	22,327	-	-	-	-	-	-	262,563
aerial cable	529	6,791	688	-	-	-	-	-	-	8,007
poles	498	5,240	596	-	-	-	-	-	-	6,334
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 19,069	\$ 234,225	\$ 23,611	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	276,905
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	4,536	55,869	5,614	-	-	-	-	-	-	66,019
aerial cable	210	2,695	273	-	-	-	-	-	-	3,177
poles	97	1,020	116	-	-	-	-	-	-	1,234
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,843	\$ 59,584	\$ 6,003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,430
Summary										
Cost of Capital	\$ 19,069	\$ 234,225	\$ 23,611	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	276,905
Network Expense	4,843	59,584	6,003	-	-	-	-	-	-	70,430
TOTAL	\$ 23,912	\$ 293,809	\$ 29,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	347,335
Transmission Terminal										
investment	\$ 43,323	\$ 376,793	\$ 76,983	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	497,099
levelized cost of capital	8,463	73,603	15,038	-	-	-	-	-	-	97,104
network expenses	663	5,765	1,178	-	-	-	-	-	-	7,606
TOTAL	\$ 9,126	\$ 79,368	\$ 16,216	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,709

Tandem Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Tandem Switching Investment										
tandem switching	\$ 1,045	\$ 4,968	\$ 2,463	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,476
wire center	1,374	6,537	3,241	-	-	-	-	-	-	11,152
TOTAL	\$ 2,419	\$ 11,505	\$ 5,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,628
Levelized Cost of Capital										
tandem switching	\$ 169	\$ 804	\$ 399	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,372
wire center	208	987	490	-	-	-	-	-	-	1,685
TOTAL	\$ 377	\$ 1,791	\$ 888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,056
Network Expenses										
tandem switching	\$ 50	\$ 236	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	403
wire center	152	721	357	-	-	-	-	-	-	1,230
TOTAL	\$ 201	\$ 957	\$ 474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,632
Summary										
Cost of Capital	\$ 377	\$ 1,791	\$ 888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,056
Network Expense	201	957	474	-	-	-	-	-	-	1,632
TOTAL	\$ 578	\$ 2,748	\$ 1,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,689

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	\$ 440	\$ 2,092	\$ 1,037	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,569
OS Tandem Wire Center	550	2,615	1,296	-	-	-	-	-	-	4,461
OS Trunks	19,157	276,747	18,222	-	-	-	-	-	-	314,126
OS Position	800	3,805	1,886	-	-	-	-	-	-	6,491
TOTAL	\$ 20,946	\$ 285,258	\$ 22,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	328,647
Levelized Cost of Capital										
OS Tandem Switching	\$ 71	\$ 338	\$ 168	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	577
OS Tandem Wire Center	83	395	196	-	-	-	-	-	-	674
OS Trunks	2964.600215	42827.80311	2819.945819	0	0	0	0	0	0	48,612
OS Position	194	921	457	-	-	-	-	-	-	1,571
TOTAL	\$ 3,312	\$ 44,482	\$ 3,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,435
Network Expenses										
OS Tandem Switching	\$ 21	\$ 99	\$ 49	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	170
OS Tandem Wire Center	61	288	143	-	-	-	-	-	-	492
OS Trunks	743	10,727	706	-	-	-	-	-	-	12,176
OS Position	54	257	127	-	-	-	-	-	-	438
Operator Wages	1,409	6,702	3,323	-	-	-	-	-	-	11,434
TOTAL	\$ 2,287	\$ 18,073	\$ 4,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,709
Summary										
Cost of Capital	\$ 3,312	\$ 44,482	\$ 3,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	51,435
Network Expense	2,287	18,073	4,349	-	-	-	-	-	-	24,709
TOTAL	\$ 5,600	\$ 62,555	\$ 7,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	76,144

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	\$ 3,817	\$ 1,874	\$ 24,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,804
	12.81%	6.29%	80.91%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 780	\$ 383	\$ 4,930	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,094
Network Expenses	\$ 718	\$ 353	\$ 4,536	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,607
Summary										
Cost of Capital	\$ 780	\$ 383	\$ 4,930	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,094
Network Expense	718	353	4,536	-	-	-	-	-	-	5,607
TOTAL	\$ 1,498	\$ 736	\$ 9,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,700

DeprecLife	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
CCCFact	1.08310	0.58381	0.41833	0.33629	0.28763	0.25565	0.23320	0.21670	0.20416	0.19439	0.18663	0.18036	0.17525	0.17104	0.16754	0.16462	0.16217	0.16010	0.15836	0.15689	0.15565	0.15460	0.15371	0.15297	0.15234	0.15182	0.15139	0.15104	0.15076	0.15053	0.15036	0.15023	0.15013		
DeprecFact	1.00000	0.50000	0.33333	0.25000	0.20000	0.16667	0.14286	0.12500	0.11111	0.10000	0.90909	0.83333	0.76923	0.7143	0.66667	0.62500	0.58832	0.55556	0.52632	0.50000	0.47462	0.44945	0.42448	0.40167	0.38000	0.35946	0.33974	0.32071	0.30244	0.28493	0.26826	0.25243	0.23743		
RORFact	0.05841	0.05891	0.05974	0.06065	0.06160	0.06255	0.06350	0.06446	0.06540	0.06635	0.06728	0.06820	0.06912	0.07002	0.07090	0.07178	0.07264	0.07349	0.07432	0.07513	0.07593	0.07671	0.07748	0.07823	0.07896	0.07968	0.08038	0.08106	0.08173	0.08238	0.08301	0.08363	0.08423		
TaxGUFact	0.02469	0.02490	0.02525	0.02564	0.02604	0.02644	0.02684	0.02725	0.02765	0.02804	0.02844	0.02883	0.02922	0.02960	0.02997	0.03034	0.03070	0.03106	0.03141	0.03176	0.03210	0.03243	0.03275	0.03307	0.03338	0.03368	0.03398	0.03427	0.03455	0.03482	0.03509	0.03535	0.03560		
COE	13.19%																																		
COD	8.80%																																		
NPV-EoP	0.97081	0.99366	1.01497	1.03485	1.05342	1.07077	1.08699	1.10217	1.11639	1.12971	1.14220	1.15392	1.16492	1.17526	1.18498	1.19413	1.20275	1.21087	1.21853	1.22576	1.23258	1.23904	1.24514	1.25092	1.25639	1.26158	1.26650	1.27117	1.27561	1.27982	1.28384	1.28766	1.29130		
NPV-BoP	1.08002	1.10544	1.12915	1.15127	1.17192	1.19123	1.20928	1.22616	1.24198	1.25680	1.27069	1.28373	1.29597	1.30747	1.31829	1.32847	1.33806	1.34709	1.35561	1.36365	1.37125	1.37842	1.38521	1.39164	1.39773	1.40350	1.40897	1.41417	1.41911	1.42380	1.42826	1.43252	1.43657		
Pm-EoP	1.14077	0.61490	0.44061	0.35420	0.30295	0.26927	0.24562	0.22824	0.21503	0.20474	0.19657	0.18997	0.18459	0.18015	0.17646	0.17339	0.17080	0.16863	0.16679	0.16524	0.16393	0.16283	0.16190	0.16111	0.16045	0.15991	0.15946	0.15909	0.15879	0.15855	0.15836	0.15823	0.15813		
Pm-BoP	1.02542	0.55272	0.39605	0.31838	0.27231	0.24204	0.22078	0.20516	0.19329	0.18404	0.17669	0.17076	0.16592	0.16193	0.15862	0.15585	0.15353	0.15158	0.14993	0.14854	0.14736	0.14636	0.14552	0.14482	0.14423	0.14374	0.14333	0.14300	0.14273	0.14252	0.14235	0.14223	0.14214		
Year																																			
1	1.08002	0.62004	0.46671	0.39004	0.34404	0.31338	0.29147	0.27505	0.26227	0.25205	0.24368	0.23671	0.23082	0.22576	0.22138	0.21755	0.21416	0.21116	0.20847	0.20605	0.20386	0.20187	0.20005	0.19838	0.19685	0.19543	0.19412	0.19290	0.19177	0.19071	0.18973	0.18880	0.18793		
2		0.54001		0.35003	0.31203	0.28670	0.26861	0.25504	0.24448	0.23604	0.22913	0.22338	0.21850	0.21433	0.21071	0.20754	0.20475	0.20227	0.20004	0.19804	0.19624	0.19459	0.19309	0.19171	0.19045	0.18928	0.18819	0.18719	0.18625	0.18538	0.18456	0.18380	0.18308		
3			0.36001	0.31002	0.28002	0.26003	0.24575	0.23503	0.22670	0.22004	0.21458	0.21004	0.20619	0.20290	0.20004	0.19754	0.19534	0.19338	0.19162	0.19004	0.18861	0.18732	0.18613	0.18504	0.18404	0.18312	0.18227	0.18147	0.18073	0.18004	0.17940	0.17879	0.17823		
4				0.27001	0.24001	0.23335	0.22288	0.21503	0.20892	0.20403	0.20003	0.19670	0.19388	0.19147	0.18937	0.18754	0.18592	0.18448	0.18320	0.18204	0.18099	0.18004	0.17917	0.17837	0.17764	0.17697	0.17634	0.17576	0.17522	0.17471	0.17424	0.17379	0.17338		
5					0.21600	0.20668	0.20002	0.19502	0.19114	0.18803	0.18548	0.18336	0.18157	0.18003	0.17870	0.17753	0.17651	0.17559	0.17477	0.17404	0.17337	0.17277	0.17221	0.17171	0.17124	0.17081	0.17041	0.17004	0.16970	0.16937	0.16907	0.16879	0.16853		
6						0.18000	0.17715	0.17502	0.17335	0.17202	0.17093	0.17003	0.16926	0.16860	0.16803	0.16753	0.16709	0.16670	0.16635	0.16604	0.16575	0.16549	0.16525	0.16504	0.16484	0.16465	0.16448	0.16432	0.16418	0.16404	0.16391	0.16379	0.16368		
7							0.15429	0.15501	0.15557	0.15602	0.15638	0.15669	0.15695	0.15717	0.15736	0.15753	0.15768	0.15781	0.15793	0.15803	0.15813	0.15822	0.15830	0.15837	0.15844	0.15850	0.15856	0.15861	0.15866	0.15870	0.15875	0.15879	0.15883		
8								0.13500	0.13779	0.14001	0.14183	0.14335	0.14464	0.14574	0.14669	0.14753	0.14826	0.14892	0.14950	0.15003	0.15051	0.15094	0.15134	0.15170	0.15203	0.15234	0.15263	0.15289	0.15314	0.15337	0.15359	0.15379	0.15398		
9									0.12000	0.12401	0.12728	0.13001	0.13232	0.13430	0.13602	0.13752	0.13885	0.14003	0.14108	0.14203	0.14289	0.14367	0.14438	0.14503	0.14563	0.14619	0.14670	0.14718	0.14762	0.14803	0.14842	0.14879	0.14913		
10										0.10800	0.11273	0.11668	0.12001	0.12293	0.12535	0.12732	0.12943	0.13113	0.13266	0.13403	0.13526	0.13639	0.13742	0.13836	0.13923	0.14003	0.14077	0.14146	0.14210	0.14270	0.14326	0.14378	0.14428		
11											0.09818	0.10334	0.10770	0.11144	0.11468	0.11752	0.12002	0.12224	0.12423	0.12602	0.12764	0.12912	0.13046	0.13169	0.13283	0.13388	0.13484	0.13574	0.13658	0.13736	0.13810	0.13878	0.13943		
12												0.09000	0.09539	0.10001	0.10401	0.10751	0.11060	0.11335	0.11581	0.11802	0.12002	0.12184	0.12350	0.12503	0.12643	0.12772	0.12892	0.13003	0.13106	0.13203	0.13293	0.13378	0.13458		
13													0.08308	0.08858	0.09334	0.09751	0.10119	0.10446	0.10739	0.11002	0.11240	0.11457	0.11654	0.11836	0.12002	0.12156	0.12299	0.12431	0.12554	0.12670	0.12777	0.12878	0.12973		
14														0.07714	0.08267	0.08751	0.09177	0.09557	0.09896	0.10202	0.10478	0.10729	0.10959	0.11169	0.11362	0.11541	0.11706	0.11860	0.12003	0.12136	0.12261	0.12378	0.12488		
15															0.07200	0.07750	0.08236	0.08668	0.09054	0.09401	0.09716	0.10002	0.10263	0.10502	0.10722	0.10925	0.11113	0.11288	0.11451	0.11603	0.11745	0.11878	0.12003		
16																0.06750	0.07295	0.07778	0.08211	0.08601	0.08954	0.09274	0.09567	0.09835	0.10082	0.10310	0.10521	0.10716	0.10899	0.11069	0.11228	0.11378	0.11518		
17																	0.06353	0.06889	0.07369	0.07801	0.08192	0.08547	0.08871	0.09168	0.09442	0.09694	0.09928	0.10145	0.10347	0.10536	0.10712	0.10877	0.11033		
18																		0.06000	0.06527	0.07001	0.07429	0.07819	0.08175	0.08501	0.08801	0.09079	0.09335	0.09573	0.09795	0.10002	0.10196	0.10377	0.10548		
19																			0.05684	0.06200	0.06667	0.07092	0.07479	0.07834	0.08161	0.08463	0.08742	0.09002	0.09243	0.09469	0.09679	0.09877	0.10063		
20																				0.05400	0.05905	0.06364	0.06783	0.07168	0.07521	0.07847	0.08149	0.08430	0.08691	0.08935	0.09163	0.09377	0.09578		
21																					0.05143	0.05637	0.06087	0.06501	0.06881	0.07232	0.07557	0.07858	0.08139	0.08402	0.08647	0.08877	0.09093		
22																						0.04909	0.05392	0.05834	0.06241	0.06616	0.06964	0.07287	0.07587	0.07868	0.08131	0.08377	0.08608		
23																							0.04696	0.05167	0.05600	0.06001	0.06371	0.06715	0.07036	0.07335	0.07614	0.07876	0.08123		
24																								0.04500	0.04960	0.05385	0.05778	0.06144	0.06484	0.06801	0.07098	0.07376	0.07638		
25																									0.04320	0.04770	0.05186	0.05572	0.05932	0.06268	0.06582	0.06876	0.07153		
26																										0.04154	0.04593	0.05000	0.05380	0.05734	0.06065	0.06376	0.06668	0.06940	
27																											0.04000	0.04429	0.04828	0.05201	0.05549	0.05876	0.06183	0.06472	0.0

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	0.02052	0.02054	0.02050	0.02039	0.02031	0.02036	0.02023	0.02022	0.02174	0.02128	0.02083	0.02041	0.02000	0.01961	0.01923	0.01887	0.01852	0.01818	0.01786	0.01754	0.01724	0.01695	0.01667	0.01639	0.01613	0.01587	0.01563	0.01538	0.01515	
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690	
Fax-GuFact	0.05885	0.05969	0.06362	0.06365	0.06377	0.06399	0.06370	0.06340	0.06370	0.06377	0.06397	0.06415	0.06383	0.06350	0.06386	0.06383	0.06389	0.06383	0.06392	0.06392	0.06396	0.06390	0.06393	0.06396	0.06400	0.06405	0.06403	0.06403	0.06403	0.06405	0.06406	0.06406	0.06406	
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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399	
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15642	0.15652	0.15662	0.15672	0.15682	0.15692	0.15702	0.15712	0.15722	0.15732	0.15742	0.15752	0.15762	0.15772	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14897	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11447	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519	
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276	
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12569	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	0.10404	0.10524	0.10634	0.10734	0.10824	0.10916	0.11002																				

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	0.14944	0.14967	0.14987
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12709	0.12756	0.12802	0.12837	0.12870	0.12901	0.12931	0.12960	0.12988	0.13016	0.13043	0.13069	0.13094
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12209
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09552	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	0.07083	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	Kingdom Telephone Company	
Cost of Capital Inputs		
Cost of Debt	8.80%	
Debt fraction	44.20%	
Cost of Equity	13.19%	
Equity fraction		55.80%
Weighted equity fraction		65.42%
Overall Cost of Capital		11.25%
Traffic Inputs		
local DEMs, thousands	51,894	
intrastate DEMs, thousands	11,080	
interstate DEMs, thousands	10,939	73,913 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	11,758	8,231 Total local calls completed
Total intraLATA calls completed	704	
Total interLATA calls completed - intrastate	708	
Total interLATA calls completed - interstate	1,506	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.04%	
D link investment, per link	\$ -	
Bus/Res DEMs ratio (local, state, interstate)	110%	200% 300%
entrance facility investment per line	-	
local direct-routed fraction	98.00%	
tandem-routed intraLATA fraction	100.00%	
tandem-routed access fraction	100.00%	
maximum trunk usage, CCS	27.5	
ISUP msgs per i/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	\$ 100	
Switch line circuit offset per DLC line	\$ -	
Total signaling links	14	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.25%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
billing/bill inquiry per line per month	\$ 2.30	
directory listing per line per month	\$ -	
forward-looking network operations factor	100.00%	
alternative CO switching factor	4.75%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	70.00%	
per-line monthly LNP cost	\$ 0.25	
Carrier-carrier customer service, per line per year	\$ 1.69	
NID expense per line per year	\$ 1.00	
DS-0/DS-1 terminal factor	12.4	
DS-1/DS-3 terminal factor	9.9	
Average lines per business location	4.00	

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Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 183,339
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 233,820
2422-m	Underground - Metallic	21.14	-0.1826	17.88	\$ -
2422-nm	Underground - Non-Meta	23.08	-0.1458	20.14	\$ -
2423-m	Buried - Metallic	19.9	-0.0839	18.36	\$ 3,622,787
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 6,329,923
2426-m	Intrabuilding - Metallic	15.71	-0.1674	13.57	
2426-nm	Intrabuilding - Non-Metall	23.62	-0.1052	21.37	
2441	Conduit Systems	50.92	-0.1034	46.15	
Average Metallic Cable (calculated)				18.06	\$ 3,806,126
Average Non-Metallic Cable (calculated)				21.85	\$ 6,563,743

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	11,080,000	
Interstate Toll DEMs	10,939,000	
trunk port usage	127,254,687	
trk-min/mo	10,044	
interLATA ded. trunks	183	
Common Transport MOU		
Local	121,359	w/o OS usage
Intrastate Toll	11,080,000	
Interstate Toll	10,939,000	
	22,140,359	
Intrastate IntraLATA Calls	704	49.86% SOCCC message counts
Intrastate InterLATA Calls	708	50.14%
	1,412	

Calculation of EO Usage

Local DEMs, incl OS	51,894,000	70.2% of total DEMs
Intraoffice Local DEMs	45,648,140	
Intraoffice Local Actual Min	22,824,070	
Interoffice Local Actual Min	6,245,860	per end
Intrastate Toll Actual Min	11,080,000	
Interstate Toll Actual Min	<u>10,939,000</u>	
	51,088,930	
Tandem Switch MOU		
Local	60,679	Dedicated Trunk-SW
IntraLATA Toll	2,762,153	207
InterLATA Toll	<u>16,494,694</u>	
	19,317,526	

TRANSFORMED REGULATED		1995 COMPANY NAME:		ICO			
		OTHER TAXES & UNCOLLECTIBLES CALCULATION		EXPENSES		NET REVENUES	
		7230 OPERATING STATE & LOCAL INCOME TAX-NET		29			
		7240 OPERATING OTHER TAXES		121			
		5300 UNCOLLECTIBLE REVENUES				46	
		530 NET REVENUES				2,907	
		GROSS REVENUES (5300 + 530)				2,953	
		UNCLL GROSS REV				0.015532	
		(5300-4040(p.r)) / (5081+5; UNCLL RETAIL RATE				2.27%	
		(4040(p)) / (5082-.5084) UNCLL WHOLESALE RATE				0.43%	
EXP	INV	PLANT SPECIFIC OPERATIONS EXPENSES		A. EXPENSES	B. INVESTMENTS	C. EXP/INV (A/B)	
		TPIS GENERAL SUPPORT					
		2111 LAND				40	
		2121 BUILDINGS				577	
6121		TOTAL LAND & BUILDINGS		64	617	0.103180	
6112	2112	2112 MOTOR VEHICLES		3	100	0.034751	
6113	2113	2113 AIRCRAFT		1	4	0.312456	
6114	2114	2114 SPECIAL PURPOSE VEHICLES		0	0	0.014245	
6115	2115	2115 GARAGE WORK EQUIPMENT		0	3	0.035334	
6116	2116	2116 OTHER WORK EQUIPMENT		1	78	0.011313	
6122	2122	2122 FURNITURE		5	38	0.122429	
6123	2123	2123 OFFICE EQUIPMENT		10	97	0.101497	
6124	2124	2124 GENERAL PRUPOSE COMPUTERS		95	149	0.638091156	
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS		173	1,086	0.15965268	
		TPIS - CENTRAL OFFICE SWITCHING					
6211	2211	2211 ANALOG ELECT SWITCH		3	63	0.045322	
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING		108	1,899	0.056899071	
6220	2220	2220 OPERATOR SYSTEMS		2	29	0.06751836	
6210	2210	22102210221022102210 CENTRAL OFFICE SWITCH		113	1,992	0.056940858	
		TPIS - CENTRAL OFFICE TRANSMISSION					
6232	2232	2232 CIRCUIT EQUIPMENT		21	1,308	0.016263483	
6230	2230	2230 TRANSMISSION		23	1,368	0.01663194	
		TPIS - INFORMATION ORIG/TERM					
6311	2311	2311 STATION APPARATUS		0	1	0.382353	
6341	2341	2321 CUSTOMER PREMISES WIRING		0	0	#DIV/0!	
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE		0	0	4.500000	
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT		8	42	0.188118	
6362	2362	2362 OTHER TERMINAL EQUIPMENT		13	71	0.176349542	
6310	2310	2310 TOTAL INFORMATION ORIG/TERM		21	114	0.182377792	
		TPIS - CABLE & WIRE FACILITIES					
6411	2411	2411 POLES		9	226	0.041273	
6421	2421	2421 AERIAL CABLE		67	1,063	0.062887	
6422	2422	2422 UNDERGROUND CABLE		13	677	0.019603	
6423	2423	2423 BURIED CABLE		73	1,881	0.038878	
6441	2441	2441 CONDUIT SYSTEMS		1	384	0.003678698	
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES		166	4,276	0.038842	
240		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)		330	8,902	0.037082996	
		PLANT NON-SPECIFIC OPERATIONS EXPENSES		A. EXPENSES	B. TPIS INVESTMENT	C. EXP/INV (A/B)	
6512	240	6512 PROVISIONING EXPENSES			3	8,902	
6531	240	6531 POWER EXPENSES			14	8,902	
6532	240	6532 NETWORK ADMINISTRATION			37	8,902	
6533	240	6533 TESTING			38	8,902	
6534	240	6534 PLANT OPERATIONS ADMINISTRATION			57	8,902	
6535	240	6535 ENGINEERING			30	8,902	
6540	240	6540 ACCESS EXPENSE			50	8,902	
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES		176	8,902	8,902	
6561	240	65616561656165616561 DEPRECIATION - TPIS		620 620 620 620 620	8,902 8,902 8,902 8,902	0.0696775250.069677525	
		NETWORK SUPPORT FACTOR CALCULATION		A. EXPENSES	B. CABLE & WIRE INV	C. EXP/INV (A/B)	
6112		2112 MOTOR VEHICLES		3			
6113		2113 AIRCRAFT		1			
6114		2114 SPECIAL PURPOSE VEHICLES		0			
6115		2115 GARAGE WORK EQUIPMENT		0			
6116		2116 OTHER WORK EQUIPMENT		1			
2410		TOTAL NETWORK SUPPORT (EXCL 2113)		4	4,276	0.001041087	
		CUSTOMER OPERATIONS EXPENSES		A. EXPENSES	B. NET REVENUES	C. EXP/NET REV (A/B)	
6611		6611 PRODUCT MANAGEMENT		25		CALC	
6612		6612 SALES		47		CALC	
6613		6613 PRODUCT ADVERTISING		17		CALC	
6610		6610 TOTAL MARKETING EXPENSES		89		CALC	
6621		6621 CALL COMPLETION SERVICE		20		CALC	
6622		6622 NUMBER SERVICES		49		CALC	
6623		6623 CUSTOMER SERVICES		160		CALC	

6620	6620 TOTAL SERVICES EXPENSES	228	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	317	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	12	CALC
6712	6712 PLANNING	6	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	18	CALC
6721	6721 ACCOUNTING & FINANCE	36	CALC
6722	6722 EXTERNAL RELATIONS	22	CALC
6723	6723 HUMAN RESOURCES	26	CALC
6724	6724 INFORMATION MANAGEMENT	100	CALC
6725	6725 LEGAL	8	CALC
6726	6726 PROCUREMENT	5	CALC
6727	6727 RESEARCH & DEVELOPMENT	6	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	84	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	287	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	377	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	51,895	
	DEM - INTRASTATE	11,081	
	DEM - INTERSTATE	10,940	
	MESSAGES - INTRALATA	704	
	MESSAGES - INTERLATA - interstate	1,506	
	MESSAGES - INTERLATA - intrastate	708.4749098	
4308 (EC)	LOCAL CALL ATTEMPTS	11,759	
	LINES - BUSINESS	1,142	
	RESIDENTIAL	3,094	
	PUBLIC	36	
	SPECIAL	283	
	TOTAL	4,561	
	5081 END USER		194
	5082 SWITCHED ACCESS		433
	5083 SPECIAL ACCESS		80
	TOTAL INTER ACCESS		707
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		364
	TOTAL ACCESS REVENUES		1,070
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		306
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		11
	5120 LD PRIVATE NETWORK		25
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		4
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		347
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		942
	5002 OPTIONAL EXTEND AREA		29
	5003 CELLAR MOBIL		22
	5004 OTHER MOBIL SVC		2
	TOTAL BASIC SVC		995
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 40	\$ -	-	
2112 Motor Vehicles	\$ 100	\$ 3	0.0348	
2113 Aircraft	\$ 4	\$ 1	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 3	\$ 0	0.0353	
2116 Other Work Equipment	\$ 78	\$ 1	0.0113	
2121 Buildings	\$ 577	\$ 64	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 38	\$ 5	0.1224	
2123 Office Equipment	\$ 97	\$ 10	0.1015	
2124 General Purpose Computers	\$ 149	\$ 95	0.6381	
2110 Total Land & Support Assets	\$ 1,086	\$ 179	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 63	\$ 3	0.0453	
2212 Digital Electronic Switching	\$ 1,899	\$ 108	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 1,962	\$ 111	0.0565	
2220 Operator Systems	\$ 29	\$ 2	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 1,308	\$ 21	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 1,308	\$ 21	0.0163	
TPIS - Information Orig/Term				
2311 Station Apparatus	\$ 1	\$ 0	0.3824	
2321 Customer Premises Wiring	\$ -	\$ -	0.0000	
2341 Large Private Branch Exchange	\$ 0	\$ 0	4.5000	
2351 Public Telephone Terminal Equipment	\$ 42	\$ 8	0.1881	
2362 Other Terminal Equipment	\$ 71	\$ 13	0.1763	
2310 Total Information Orig/Term	\$ 114	\$ 21	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 226	\$ 9	0.0413	
2421 Aerial Cable	\$ 1,063	\$ 67	0.0629	0.0629 0.0196 0.0389Alternative fiber cable maintenance factors
2422 Underground Cable	\$ 677	\$ 13	0.0196	
2423 Buried Cable	\$ 1,881	\$ 73	0.0389	
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 384	\$ 1	0.0037	
2410 Total Cable & Wire Facilities	\$ 4,231	\$ 164	0.0388	
240 Total TPIS (before amortizable assets)	\$ 7,645	\$ 498	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 3	\$ 7,645	0.0003	
6531 Power Expenses	\$ 14	\$ 7,645	0.0019	8.10% all
6532 Network Administration	\$ 37	\$ 7,645	0.0048	20.47% switching, interoffice
6533 Testing	\$ 38	\$ 7,645	0.0050	21.22% all
6534 Plant Operations Administration	\$ 57	\$ 7,645	0.0074	31.89% all
6535 Engineering	\$ 30	\$ 7,645	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 178	\$ 7,645	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	total lines (from net. invest. inputs)
6112 Motor Vehicles	\$ 3			4,561
6113 Aircraft	\$ 1			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 1			
Aircraft & Special Purpose Vehicles	\$ 4	\$ 4,231	0.0011	\$ 39.11
annual net ops per line				

Customer Operations Expenses

	Expenses		Net Revenues		Factor			
6611 Product Management *	\$	25	\$	0.4638	\$	1,526	0.0166	
6612 Sales *	\$	47	\$	0.8522	\$	1,526	0.0306	
6613 Product Advertising	\$	17			\$	1,526	0.0110	
6610 Total Marketing Expenses	\$	89					0.0582	
6621 Call Completion Service	\$	20			\$	1,526	0.0131	
6622 Number Services	\$	49	\$	0.8863	\$	1,526	0.0318	
6623 Customer Services	\$	160	\$	2.9168	\$	1,526	0.1046	
6620 Total Services Expenses	\$	228	\$	4.23			0.1495	
Billing/bill inquiry (per line/month)	\$	2.30						
Directory listing (per line/month)		-						
700 Total Customer Operations Expenses	\$	317.01			\$	1,526	0.2078	0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	12	\$	1,526	0.0079	
6712 Planning	\$	6	\$	1,526	0.0039	
6710 Total Executive & Planning	\$	18	\$	1,526	0.0117	
6721 Accounting & Finance	\$	36	\$	1,526	0.0237	
6722 External Relations	\$	22	\$	1,526	0.0144	
6723 Human Resources	\$	26	\$	1,526	0.0171	
6724 Information Management	\$	100	\$	1,526	0.0653	
6725 Legal	\$	8	\$	1,526	0.0055	
6726 Procurement	\$	5	\$	1,526	0.0030	
6727 Research & Development	\$	6	\$	1,526	0.0038	
6728 Other General & Administrative	\$	84	\$	1,526	0.0554	
6720 Total General & Administrative	\$	287	\$	1,526	0.1880	
710 Total Corporate Operations Expense	\$	305	\$	1,526	0.1040	0.2347
720 Total Operating Expenses	\$	1,298				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	\$ 38	\$ 97	\$ 149	\$ 100	\$ 288	\$ 3	\$ 78
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 5	\$ 10	\$ 95	\$ 3	\$ 32	\$ 0	\$ 1
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 24,166	\$ 24,166	\$ 24,166	\$ 24,166	\$ 24,166	\$ 24,166	\$ 24,166
Calculated Investment	\$ 120	\$ 307	\$ 472	\$ 316	\$ 912	\$ 9	\$ 246
Calculated Expense	\$ 15	\$ 31	\$ 301	\$ 11	\$ 101	\$ 0	\$ 3
Subtotal (\$s)	\$ 203,850						
Total Misc Expense	\$ 203,850						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	29	\$	(147)	
7240 Operating Other Taxes	\$	121	\$	(147)	0.0500
5300 Uncollectible Revenues	\$	46	\$	1,526	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	7,645			
Net Plant	\$	7,645			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 194	8.26%
5082 Switched Access	\$ 433	18.49%
5083 Special Access	\$ 80	3.40%
Total Inter Access	\$ 707	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	\$ 707	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	\$ 306	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 11	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 25	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 4	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 347	14.81%

Basic Local Service		
5001 Basic Area	\$ 942	40.21%
5002 Optional Extended Area	\$ 29	1.23%
5003 Cellular Mobile	\$ 22	0.95%
5004 Other Mobile Svcs	\$ 2	0.08%
Total Basic Local Service	\$ 995	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	\$ 28	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 33	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 2	0.10%
Other Local Exchange Revenue		
5060 Central Office Features	\$ -	0.00%
Information Transport	\$ -	0.00%
Directory Assistance	\$ -	0.00%
Intercept Services	\$ -	0.00%
Other Loc Exchg	\$ -	0.00%
Total Other	\$ 232	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 1,290	55.04%
Total Revenue	\$ 2,343	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\HMWKMO4219011.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	11,758	11,758	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	704	704	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	708	708	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	1,506	1,506	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	51,894	51,894	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	11,080	11,080	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	10,939	10,939	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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User Adjustable Inputs

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