

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	236	-	236	-	-	-	231	\$	-	\$	-	\$	-	\$	413,027	\$	20,377	\$	-	\$	42,250
5	DLC	21	-	21	-	-	-	20	\$	-	\$	-	\$	-	\$	97,400	\$	4,796	\$	-	\$	3,688
100	DLC	928	253	626	41	8	19	616	\$	-	\$	-	\$	-	\$	44,686	\$	2,221	\$	-	\$	166,383
200	DLC																					
650	DLC																					
850	DLC																					
2550	DLC																					
5000	DLC																					
10000	DLC																					
0	non-DLC																					
5	non-DLC																					
100	non-DLC																					
200	non-DLC																					
650	non-DLC																					
850	non-DLC																					
2550	non-DLC																					
5000	non-DLC																					
10000	non-DLC																					
Totals/Avg		1,184	253	883	41	8	19	868	\$	-	\$	-	\$	-	\$	555,113	\$	27,393	\$	-	\$	212,321

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	\$ 4,402	\$ -	\$ 279,358	\$ 14,138	\$ -	\$ -	\$ 483,273	\$ 29,607	0.00%	30.94%	0.00%	\$ 176,781	\$ 3,750	\$ 19,782	\$ 24,831	\$ 6,726	136,131
5	DLC	\$ 384	\$ -	\$ 43,796	\$ 2,216	\$ -	\$ -	\$ 111,175	\$ 7,089	0.00%	35.59%	0.00%	\$ 62,781	\$ 350	\$ 1,727	\$ 2,149	\$ 583	33,073
100	DLC	\$ 17,334	\$ -	\$ 497,768	\$ 25,191	\$ -	\$ -	\$ 341,082	\$ 21,684	0.00%	19.33%	0.00%	\$ 185,700	\$ 6,800	\$ 38,951	\$ 50,619	\$ 22,364	3,825
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 22,120	\$ -	\$ 820,922	\$ 41,545	\$ -	\$ -	\$ 935,530	\$ 58,380				\$ 425,262	\$ 10,900	\$ 60,460	\$ 77,599	\$ 29,673	173,029

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	287,406	236	\$	109,395	\$	-	\$	17,524	\$	3,092	\$	448	\$	589	\$	189	\$	236	\$	5,335	\$	349	\$		\$	34,901	\$	1,064	\$	690	\$	-
5	DLC	66,116	21	\$	9,549	\$	-	\$	1,530	\$	270	\$	39	\$	51	\$	16	\$	21	\$	466	\$	30	\$		\$	3,046	\$	93	\$	60	\$	-
100	DLC	202,844	928	\$	411,686	\$	-	\$	65,947	\$	11,638	\$	1,685	\$	2,217	\$	709	\$	887	\$	20,076	\$	1,312	\$		\$	137,443	\$	4,191	\$	2,717	\$	-
200	DLC																																
650	DLC																																
850	DLC																																
2550	DLC																																
5000	DLC																																
10000	DLC																																
0	non-DLC																																
5	non-DLC																																
100	non-DLC																																
200	non-DLC																																
650	non-DLC																																
850	non-DLC																																
2550	non-DLC																																
5000	non-DLC																																
10000	non-DLC																																
Totals/Avg		556,366	1,184	\$	530,630	\$	-	\$	85,000	\$	15,000	\$	2,172	\$	2,857	\$	914	\$	1,143	\$	25,876	\$	1,691	\$	-	\$	175,391	\$	5,348	\$	3,467	\$	-

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	\$	11,308	\$	11,634	\$	355	\$	230	\$	-	\$	3,769	\$	25,824	\$	787	\$	510	\$	-	\$	8,367	2										
5	DLC	\$	987	\$	1,015	\$	31	\$	20	\$	-	\$	329	\$	2,254	\$	69	\$	45	\$	-	\$	730	0										
100	DLC	\$	44,531	\$	45,814	\$	1,397	\$	906	\$	-	\$	14,844	\$	101,695	\$	3,101	\$	2,010	\$	-	\$	32,949	9										
200	DLC																																	
650	DLC																																	
850	DLC																																	
2550	DLC																																	
5000	DLC																																	
10000	DLC																																	
0	non-DLC																																	
5	non-DLC																																	
100	non-DLC																																	
200	non-DLC																																	
650	non-DLC																																	
850	non-DLC																																	
2550	non-DLC																																	
5000	non-DLC																																	
10000	non-DLC																																	
Totals/Avg		\$	-	\$	56,826	\$	-	\$	58,464	\$	1,783	\$	1,156	\$	-	\$	-	\$	18,942	\$	-	\$	129,773	\$	3,957	\$	2,565	\$	-	\$	-	\$	42,046	11

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	0	3	8	8	1	589 \$	94 \$	1,296 \$	1,595 \$	1,188	3,600,928	-	1,759,659
5	DLC	0	0	0	1	1	0	51 \$	8 \$	113 \$	139 \$	104	314,306	-	359,200
100	DLC	2	1	13	33	30	5	2,217 \$	355 \$	4,877 \$	6,002 \$	4,471	9,572,940	5,700,827	2,346,457
200	DLC														-
650	DLC														-
850	DLC														-
2550	DLC														-
5000	DLC														-
10000	DLC														-
0	non-DLC														-
5	non-DLC														-
100	non-DLC														-
200	non-DLC														-
650	non-DLC														-
850	non-DLC														-
2550	non-DLC														-
5000	non-DLC														-
10000	non-DLC														-
Totals/Avg		3	1	16	42	38	7	2,857 \$	457 \$	6,286 \$	7,736 \$	5,763	13,488,173	5,700,827	4,465,316

Universal Service Calculation Sheet - monthly costs per line

Missouri
Oregon Farmers Mutual Tel Co

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ 143.74	\$ 368.00	\$ 34.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62.94
Port	4.15	4.15	4.15	-	-	-	-	-	-	4.15
End office usage	5.50	5.50	5.50	-	-	-	-	-	-	5.50
Signaling	0.08	0.08	0.08	-	-	-	-	-	-	0.08
Transport	1.65	1.65	1.65	-	-	-	-	-	-	1.65
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	\$ 158.16	\$ 382.42	\$ 48.82	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77.36
@ Residence usage per line	\$ 157.93	\$ 382.19	\$ 48.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85.55
@ Business usage per line	\$ 158.93	\$ 383.20	\$ 49.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49.59
Total switched lines	236	21	887	-	-	-	-	-	-	1,143
Primary residence lines	231	20	616	-	-	-	-	-	-	868
Secondary residence lines	4	1	10	-	-	-	-	-	-	15
Single line business lines	-	-	19	-	-	-	-	-	-	19
Multiline business lines	-	-	233	-	-	-	-	-	-	233
Public lines	-	-	8	-	-	-	-	-	-	8
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 352,381	\$ 84,370	\$ 130,088	\$ -	\$ -	\$ -	\$ -	\$ 566,839
Secondary residence lines		\$31.00	\$ 6,534	\$ 2,309	\$ 2,122	\$ -	\$ -	\$ -	\$ -	\$ 10,965
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			\$ 358,915	\$ 86,679	\$ 132,210	\$ -	\$ -	\$ -	\$ -	\$ 577,805
Total annual support for specified lines										
@25% Federal allocation			\$ 88,095	\$ 21,093	\$ 32,522	\$ -	\$ -	\$ -	\$ -	\$ 141,710
@Implied 75% State allocation			\$ 264,286	\$ 63,278	\$ 97,566	\$ -	\$ -	\$ -	\$ -	\$ 425,130

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

\$20.00	\$ 382,920	\$ 87,013	\$ 211,452	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 681,384
\$30.00	\$ 355,157	\$ 84,610	\$ 137,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 577,253
\$40.00	\$ 327,395	\$ 82,208	\$ 63,518	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 473,121
\$50.00	\$ 299,633	\$ 79,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 379,438
\$60.00	\$ 271,871	\$ 77,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 349,274
\$70.00	\$ 244,108	\$ 75,001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 319,109
\$80.00	\$ 216,346	\$ 72,598	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 288,944

STATE FUND ANALYSIS																
Annual Support for line types:		Specify	Bench mark													
Primary residence lines	X	\$31.00	\$	352,381	\$	84,370	\$	130,088	\$	-	\$	-	\$	-	\$ 566,839	
Secondary residence lines		\$31.00	\$	6,534	\$	2,309	\$	2,122	\$	-	\$	-	\$	-	\$ 10,965	
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			\$	358,915	\$	86,679	\$	132,210	\$	-	\$	-	\$	-	\$ 577,805	
Total annual support for specified lines				\$	352,381	\$	84,370	\$	130,088	\$	-	\$	-	\$	-	\$ 566,839
@75% State allocation				\$	264,286	\$	63,278	\$	97,566	\$	-	\$	-	\$	-	\$ 425,130
@Implied 25% Federal allocation				\$	88,095	\$	21,093	\$	32,522	\$	-	\$	-	\$	-	\$ 141,710

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	88,095	\$	21,093	\$	32,522	\$	-	\$	-	\$	-	\$	141,710
75% State allocation from State Fund Analysis	\$	264,286	\$	63,278	\$	97,566	\$	-	\$	-	\$	-	\$	425,130
Total Federal + State fund	\$	352,381	\$	84,370	\$	130,088	\$	-	\$	-	\$	-	\$	566,839

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

Missouri
Oregon Farmers Mutual Tel Co

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 1,720	\$ 149	\$ 5,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,479
Unit Cost/month	0.61	0.60	0.50	-	-	-	-	-	-	0.53
Loop Distribution (DLC)										
Annual Cost	\$ 224,885	\$ 44,473	\$ 257,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 527,088
Unit Cost/month	79.53	180.19	23.14	-	-	-	-	-	-	37.09
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 224,885	\$ 44,473	\$ 257,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 527,088
Unit Cost/month	79.53	180.19	23.14	-	-	-	-	-	-	37.09
Loop Concentration (DLC)										
Annual Cost	\$ 49,867	\$ 17,469	\$ 53,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,481
Unit Cost/month	17.64	70.78	4.77	-	-	-	-	-	-	8.48
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 49,867	\$ 17,469	\$ 53,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,481
Unit Cost/month	17.64	70.78	4.77	-	-	-	-	-	-	8.48
Loop Feeder (DLC)										
Annual Cost	\$ 123,280	\$ 27,241	\$ 60,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,760
Unit Cost/month	43.60	110.37	5.41	-	-	-	-	-	-	14.83
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 123,280	\$ 27,241	\$ 60,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,760
Unit Cost/month	43.60	110.37	5.41	-	-	-	-	-	-	14.83
Total Loop (DLC)										
Annual Cost	\$ 399,751	\$ 89,331	\$ 376,726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 865,808
Unit Cost/month	141.37	361.94	33.83	-	-	-	-	-	-	60.93
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 399,751	\$ 89,331	\$ 376,726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 865,808
Unit Cost/month	141.37	361.94	33.83	-	-	-	-	-	-	60.93
Total lines	236	21	928	-	-	-	-	-	-	1,184
Total lines served by DLC	236	21	928	-	-	-	-	-	-	1,184

	Annual Cost	Units	Unit Cost
End office switching	\$ 186,427		
Line Port	55,928	1,143 switched lines	\$ 4.08 per line/month
Non-Line Port	130,499	13,263,512 actual minutes	\$ 0.00984 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 4,902		
Links	2,187	2 links	\$ 94.43 per link per month
STP	1,778	7,502,194 TCAP+ISUP msgs	\$ 0.00024 per signaling message
SCP	937	761,600 TCAP queries	\$ 0.00123 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 36,575	42 trunks	\$ 72.27 per DS-0 equivalent per month
Switched	867	1 trunks	\$ 0.00720 per minute
Special	35,708	41 trunks	
Transmission Terminal	12,161	42 trunks	\$ 24.03 per DS-0 equivalent per month
			\$ 0.00239 per minute
			\$ 0.00959 total per minute
<i>Common</i>			
Transport	\$ 49,433	5,747,516 minutes	\$ 0.00720 per minute per leg (orig or term)
Transmission Terminal	16,436	5,747,516 minutes	\$ 0.00239 per minute
			\$ 0.00959 total per minute
<i>Direct</i>			
Transport	\$ 16,478	772,152 minutes	\$ 0.02134 per minute
Transmission Terminal	5,479	772,152 minutes	\$ 0.00710 per minute
			\$ 0.02844 total per minute
Tandem switch	\$ 1,649	5,014,728 minutes	\$ 0.00033 per minute
Operator systems	\$ 11,895		
Public Telephones	\$ 2,994		
Total (w/ Public)	\$ 1,210,236		
Total cost of switched network elements (w/o Public)	\$ 82.35	per line/month	

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.00984	\$ 0.00984	
ISUP	\$ 0.00065	\$ 0.00065	
Common Transport	\$ -	\$ 0.00959	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.01048	\$ 0.02040	n/a

IXC switched access			
EO switching	\$ 0.00984	\$ 0.00984	
ISUP	\$ 0.00065	\$ 0.00065	
Dedicated Transport	\$ 0.00959	\$ 0.00959	
Common Transport	\$ -	\$ 0.00959	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.02007	\$ 0.02999	\$ 0.02999

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0029		
ISUP cost/transaction	\$ 0.00337		
ISUP cost/completion	0.0048		
IXC switched access MOU/comp	7.46		
ISUP cost/min	\$ 0.000645		
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 130,499
Total DEMs 19,189,000
Cost per DEM \$ 0.00680

Dedicated Transport Costs Per Trunk	
DS-0 per month	
Transport per month	\$ 72.27
Terminal per month *	\$ 297.96
TOTAL	\$ 370.23

DS-1 per month	
Transport per month	\$ 1,734.47
Terminal per month	\$ 576.71
TOTAL	\$ 2,311.18

DS-3 per month	
Transport per month	\$ 48,565.28
Terminal per month	\$ 1,631.09
TOTAL	\$ 50,196.36

Trunk Port Costs	
per trunk port (DS-0 equivalent) per month	\$ 2.93
per trunk port minute	\$ 0.000291

total EO usage per minute	\$ 0.009839
trk port/min	\$ 0.000291
other	\$ 0.009547

	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)	30.9%	35.6%	19.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	21.9%
calculated distribution fill (non-DLC)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!
weighted average										#DIV/0!

Per DS0 Transport Calculations	
Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	42,046
Total Lines	1,184
Total Dedicated Terminal Investment per line	\$ 36
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 997
Transport Investment per DS-0	\$ 3,232

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
NID										
Annual Capital Cost	\$ 1,076	\$ 93	\$ 3,578	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,748
Network Expenses	\$ 231	\$ 20	\$ 680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	931
Direct expense	\$ 1,308	\$ 113	\$ 4,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,679
Investment	\$ 6,726	\$ 583	\$ 22,364	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,673
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 403	\$ 35	\$ 1,314	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,752
Total	\$ 1,711	\$ 148	\$ 5,572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,431
with carrier-to-carrier	\$ 1,713	\$ 148	\$ 5,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,446
Distribution (DLC)										
Annual Capital Cost	\$ 137,476	\$ 27,219	\$ 157,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,750
Network Expenses	\$ 33,490	\$ 6,607	\$ 38,564	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	78,661
Direct expense	\$ 170,966	\$ 33,827	\$ 195,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	400,412
Investment	\$ 850,988	\$ 168,151	\$ 975,295	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,994,435
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 52,751	\$ 10,437	\$ 60,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	123,546
Total	\$ 223,718	\$ 44,264	\$ 255,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	523,958
with carrier-to-carrier	\$ 223,910	\$ 44,280	\$ 256,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	524,803
Distribution (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Distribution (all)										
Annual Capital Cost	\$ 137,476	\$ 27,219	\$ 157,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,750
Network Expenses	\$ 33,490	\$ 6,607	\$ 38,564	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	78,661
Direct expense	\$ 170,966	\$ 33,827	\$ 195,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	400,412
Investment	\$ 850,988	\$ 168,151	\$ 975,295	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,994,435
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 52,751	\$ 10,437	\$ 60,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	123,546
Total	\$ 223,718	\$ 44,264	\$ 255,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	523,958
with carrier-to-carrier	\$ 223,910	\$ 44,280	\$ 256,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	524,803
Concentrator (DLC)										
Annual Capital Cost	\$ 35,133	\$ 12,320	\$ 37,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,815
Network Expenses	\$ 2,778	\$ 967	\$ 2,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,720
Direct expense	\$ 37,911	\$ 13,287	\$ 40,337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	91,535
Investment	\$ 180,531	\$ 63,131	\$ 192,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	436,162
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 11,697	\$ 4,100	\$ 12,446	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,243
Total	\$ 49,608	\$ 17,387	\$ 52,783	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,778
with carrier-to-carrier	\$ 49,651	\$ 17,393	\$ 52,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,959
Concentrator (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Concentrator (all)										
Annual Capital Cost	\$ 35,133	\$ 12,320	\$ 37,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,815
Network Expenses	\$ 2,778	\$ 967	\$ 2,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,720
Direct expense	\$ 37,911	\$ 13,287	\$ 40,337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	91,535
Investment	\$ 180,531	\$ 63,131	\$ 192,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	436,162
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 11,697	\$ 4,100	\$ 12,446	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,243
Total	\$ 49,608	\$ 17,387	\$ 52,783	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,778
with carrier-to-carrier	\$ 49,651	\$ 17,393	\$ 52,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,959
Feeder (DLC)										
Annual Capital Cost	\$ 74,559	\$ 16,472	\$ 36,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	127,692
Network Expenses	\$ 19,164	\$ 4,248	\$ 9,961	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,472
Direct expense	\$ 93,722	\$ 20,720	\$ 45,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	160,164
Investment	\$ 480,056	\$ 106,268	\$ 230,623	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	816,946
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 28,918	\$ 6,393	\$ 14,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,418
Total	\$ 122,640	\$ 27,113	\$ 59,830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	209,583
with carrier-to-carrier	\$ 122,745	\$ 27,122	\$ 59,979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	209,847
Feeder (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Feeder (all)										
Annual Capital Cost	\$ 74,559	\$ 16,472	\$ 36,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	127,692
Network Expenses	\$ 19,164	\$ 4,248	\$ 9,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,472
Direct expense	\$ 93,722	\$ 20,720	\$ 45,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	160,164
Investment	\$ 480,056	\$ 106,268	\$ 230,623	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	816,946
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 28,918	\$ 6,393	\$ 14,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,418
Total	\$ 122,640	\$ 27,113	\$ 59,830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	209,583
with carrier-to-carrier	\$ 122,745	\$ 27,122	\$ 59,979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	209,847
End Office Switching										
Annual Capital Cost	\$ 20,869	\$ 1,822	\$ 78,537	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,228
Network Expenses	\$ 7,129	\$ 622	\$ 26,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,578
Direct expense	\$ 27,998	\$ 2,444	\$ 105,365	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,806
Investment	\$ 130,011	\$ 11,348	\$ 489,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	630,630
Support expenses	\$ 5,696	\$ 467	\$ 25,823	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,986
Subtotal, with misc spt	\$ 33,694	\$ 2,911	\$ 131,188	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	167,792
Total, with var overhead	\$ 37,198	\$ 3,213	\$ 144,831	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	185,243
with carrier-to-carrier	\$ 37,229	\$ 3,215	\$ 145,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	185,618
Signaling										
Annual Capital Cost	\$ 574	\$ 50	\$ 2,162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,787
Network Expenses	\$ 162	\$ 14	\$ 609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	785
Direct expense	\$ 736	\$ 64	\$ 2,771	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,571
Investment	\$ 3,574	\$ 312	\$ 13,451	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,337
Support expenses	\$ 150	\$ 12	\$ 679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	841
Subtotal, with misc spt	\$ 886	\$ 77	\$ 3,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,412
Total, with var overhead	\$ 978	\$ 84	\$ 3,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,871
with carrier-to-carrier	\$ 979	\$ 85	\$ 3,817	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,881
Dedicated Transport										
Annual Capital Cost	\$ 4,226	\$ 369	\$ 16,642	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,237
Network Expenses	\$ 1,075	\$ 94	\$ 4,232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,400
Direct expense	\$ 5,301	\$ 463	\$ 20,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,637
Investment	\$ 27,122	\$ 2,367	\$ 106,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	136,295
Support expenses	\$ 1,078	\$ 88	\$ 5,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,282
Subtotal, with misc spt	\$ 6,379	\$ 551	\$ 25,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,919
Total, with var overhead	\$ 7,042	\$ 608	\$ 28,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,343
with carrier-to-carrier	\$ 7,048	\$ 609	\$ 28,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,417
Dedicated Transport Transmission										
Annual Capital Cost	\$ 1,634	\$ 143	\$ 6,436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,213
Network Expenses	\$ 128	\$ 11	\$ 504	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	643
Direct expense	\$ 1,762	\$ 154	\$ 6,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,857
Investment	\$ 8,367	\$ 730	\$ 32,949	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,046
Support expenses	\$ 359	\$ 29	\$ 1,701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,089
Subtotal, with misc spt	\$ 2,121	\$ 183	\$ 8,641	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,945
Total, with var overhead	\$ 2,342	\$ 202	\$ 9,540	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,084
with carrier-to-carrier	\$ 2,343	\$ 202	\$ 9,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,108
Direct Transport										
Annual Capital Cost	\$ 1,904	\$ 166	\$ 7,497	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,567
Network Expenses	\$ 484	\$ 42	\$ 1,906	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,433
Direct expense	\$ 2,388	\$ 208	\$ 9,404	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,000
Investment	\$ 12,219	\$ 1,066	\$ 48,117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	61,402
Support expenses	\$ 486	\$ 40	\$ 2,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,830
Subtotal, with misc spt	\$ 2,874	\$ 248	\$ 11,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,830
Total, with var overhead	\$ 3,173	\$ 274	\$ 12,926	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,373
with carrier-to-carrier	\$ 3,175	\$ 274	\$ 12,957	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,406
Direct Transport Transmission										
Annual Capital Cost	\$ 736	\$ 64	\$ 2,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,700
Network Expenses	\$ 58	\$ 5	\$ 227	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	290
Direct expense	\$ 794	\$ 69	\$ 3,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,990
Investment	\$ 3,769	\$ 329	\$ 14,844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,942
Support expenses	\$ 162	\$ 13	\$ 766	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	941
Subtotal, with misc spt	\$ 955	\$ 83	\$ 3,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,931
Total, with var overhead	\$ 1,055	\$ 91	\$ 4,298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,444
with carrier-to-carrier	\$ 1,056	\$ 91	\$ 4,308	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,455
Common Transport										
Annual Capital Cost	\$ 5,711	\$ 499	\$ 22,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,702
Network Expenses	\$ 1,452	\$ 127	\$ 5,719	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,298
Direct expense	\$ 7,164	\$ 625	\$ 28,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,000
Investment	\$ 36,656	\$ 3,199	\$ 144,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	184,205
Support expenses	\$ 1,457	\$ 119	\$ 6,914	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,491
Subtotal, with misc spt	\$ 8,621	\$ 745	\$ 35,125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	44,491
Total, with var overhead	\$ 9,518	\$ 822	\$ 38,778	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,118
with carrier-to-carrier	\$ 9,526	\$ 822	\$ 38,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,218

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	\$ 2,209	\$ 193	\$ 8,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,100
Network Expenses	\$ 173	\$ 15	\$ 681	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	869
Direct expense	\$ 2,382	\$ 208	\$ 9,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,970
Investment	\$ 11,308	\$ 987	\$ 44,531	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	56,826
Support expenses	\$ 485	\$ 40	\$ 2,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,823
Subtotal, with misc spt	\$ 2,866	\$ 248	\$ 11,679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,793
Total, with var overhead	\$ 3,165	\$ 273	\$ 12,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,332
with carrier-to-carrier	\$ 3,167	\$ 273	\$ 12,924	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,365
Tandem Switching										
Annual Capital Cost	\$ 161	\$ 14	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	783
Network Expenses	\$ 86	\$ 8	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	418
Direct expense	\$ 248	\$ 22	\$ 932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,201
Investment	\$ 1,037	\$ 90	\$ 3,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,029
Support expenses	\$ 50	\$ 4	\$ 228	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	283
Subtotal, with misc spt	\$ 298	\$ 26	\$ 1,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,484
Total, with var overhead	\$ 329	\$ 28	\$ 1,281	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,639
with carrier-to-carrier	\$ 329	\$ 28	\$ 1,284	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,642
Operator Systems										
Annual Capital Cost	\$ 976	\$ 85	\$ 3,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,734
Network Expenses	\$ 869	\$ 76	\$ 3,271	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,216
Direct expense	\$ 1,845	\$ 161	\$ 6,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,950
Investment	\$ 6,107	\$ 533	\$ 22,984	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,625
Support expenses	\$ 304	\$ 25	\$ 1,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,755
Subtotal, with misc spt	\$ 2,149	\$ 186	\$ 8,370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,705
Total, with var overhead	\$ 2,373	\$ 205	\$ 9,241	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,818
with carrier-to-carrier	\$ 2,375	\$ 205	\$ 9,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,843
Public Telephone										
Annual Capital Cost	\$ 243	\$ 21	\$ 914	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,178
Network Expenses	\$ 223	\$ 20	\$ 841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,084
Direct expense	\$ 466	\$ 41	\$ 1,755	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,262
Investment	\$ 1,188	\$ 104	\$ 4,471	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,763
Support expenses	\$ 77	\$ 6	\$ 360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	444
Subtotal, with misc spt	\$ 543	\$ 47	\$ 2,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,706
Total, with var overhead	\$ 600	\$ 52	\$ 2,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,987
with carrier-to-carrier	\$ 600	\$ 52	\$ 2,342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,994
Totals										
Annual Capital Cost	\$ 287,489	\$ 59,530	\$ 385,217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	732,235
Network Expenses	\$ 67,502	\$ 12,876	\$ 96,422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	176,799
Total	\$ 354,991	\$ 72,406	\$ 481,638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	909,035
Investment	\$ 1,759,659	\$ 359,200	\$ 2,346,457	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,465,316
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 14,758	\$ 3,013	\$ 19,679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,450
Network Operations	\$ 7,330	\$ 640	\$ 28,866	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,836
Network Support	\$ 1,015	\$ 207	\$ 1,378	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,600
Other Taxes	\$ 20,674	\$ 4,172	\$ 29,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,873
Misc Expenses	\$ 14,709	\$ 3,000	\$ 19,957	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,667
Subtotal	\$ 58,487	\$ 11,031	\$ 98,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	168,425
Carrier-carrier customer svc	\$ 398	\$ 35	\$ 1,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,001
Interoffice/Switching Net Ops	\$ 1,887	\$ 165	\$ 7,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,481
Interoffice/Sw Exp	\$ 48,772	\$ 4,257	\$ 187,003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	240,032
Total Network Costs										
	\$ 415,364	\$ 83,602	\$ 587,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,086,941
Other costs										
Other Taxes	\$ 20,674	\$ 4,172	\$ 29,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	53,873
Monthly Cost Factors										
Loop	0.02231	0.02238	0.02247	-	-	-	-	-	-	0.02274
Port	0.00751	0.00751	0.00751	-	-	-	-	-	-	0.00751
Switching	0.00998	0.00998	0.00998	-	-	-	-	-	-	0.00998
Signaling	0.00512	0.00512	0.00512	-	-	-	-	-	-	0.00512
Transport	0.00388	0.00388	0.00371	-	-	-	-	-	-	0.00374
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										
	99.9156%	99.9635%	99.7637%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.7964%

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	\$ 1,166	0%	100%	\$ -	\$ 1,166
Furniture - Expenses	\$ 895	0%	100%	\$ -	\$ 895
Office Equipment - Capital Costs	\$ 3,329	0%	100%	\$ -	\$ 3,329
Office Equipment - Expenses	\$ 1,897	0%	100%	\$ -	\$ 1,897
General Purpose Computer - Capital Costs	\$ 6,956	0%	100%	\$ -	\$ 6,956
General Purpose Computer - Expenses	\$ 18,339	0%	100%	\$ -	\$ 18,339
Motor Vehicles - Capital Costs	\$ 4,198	0%	100%	\$ -	\$ 4,198
Motor Vehicles - Expenses	\$ 1,467	0%	100%	\$ -	\$ 1,467
Buildings - Capital Costs	\$ 8,390	0%	100%	\$ -	\$ 8,390
Buildings - Expenses	\$ 6,125	0%	100%	\$ -	\$ 6,125
Garage Work Eqpt. - Capital Costs	\$ 123	0%	100%	\$ -	\$ 123
Garage Work Eqpt. - Expenses	\$ 43	0%	100%	\$ -	\$ 43
Other Work Eqpt. - Capital Costs	\$ 2,937	0%	100%	\$ -	\$ 2,937
Other Work Eqpt. - Expenses	\$ 372	0%	100%	\$ -	\$ 372
Total General Support	\$ 56,237			\$ -	\$ 56,237
Network Operations	\$ 26,655	0%	100%	\$ -	\$ 26,655
Other Taxes	\$ 38,983	0%	100%	\$ -	\$ 38,983
Variable Overhead	\$ 81,085	0%	100%	\$ -	\$ 81,085
Totals	\$ 121,875			\$ -	\$ 202,960

	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	\$ 303,907	\$ 67,947	\$ 285,936	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 657,790
Non-Loop-related direct costs	\$ 51,084	\$ 4,459	\$ 195,702	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 251,245
Total	\$ 354,991	\$ 72,406	\$ 481,638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 909,035
Loop Fraction	85.61%	93.84%	59.37%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	72.36%
Network Operations	\$ 7,330	\$ 640	\$ 28,866	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,836

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 1,612	\$ 1,166	\$ 445
Furniture - Expenses	\$ 1,237	\$ 895	\$ 342
Office Equipment - Capital Costs	\$ 4,600	\$ 3,329	\$ 1,271
Office Equipment - Expenses	\$ 2,621	\$ 1,897	\$ 725
General Purpose Computer - Capital Costs	\$ 9,613	\$ 6,956	\$ 2,657
General Purpose Computer - Expenses	\$ 25,344	\$ 18,339	\$ 7,005
Motor Vehicles - Capital Costs	\$ 5,801	\$ 4,198	\$ 1,603
			\$ 37,450
			\$ 40,267

Exp Assignment

Motor Vehicles - Expenses	\$ 2,027	\$ 1,467	\$ 560	
Buildings - Capital Costs	\$ 11,595	\$ 8,390	\$ 3,205	
Buildings - Expenses	\$ 8,464	\$ 6,125	\$ 2,339	
Garage Work Eqpt. - Capital Costs	\$ 170	\$ 123	\$ 47	
Garage Work Eqpt. - Expenses	\$ 59	\$ 43	\$ 16	
Other Work Eqpt. - Capital Costs	\$ 4,059	\$ 2,937	\$ 1,122	
Other Work Eqpt. - Expenses	\$ 514	\$ 372	\$ 142	
Total General Support	\$ 77,717	\$ 56,237	\$ 21,480	
Network Operations	\$ 36,836	\$ 26,655	\$ 10,181	
Other Taxes Calculation				
Total Direct Costs	\$ 909,035	\$ 657,790	\$ 251,245	\$ 909,035
Total Network Operations	\$ 36,836	\$ 26,655	\$ 10,181	\$ 36,836
Total General Support	\$ 77,717	\$ 56,237	\$ 21,480	\$ 94,140
Total	\$ 1,023,587	\$ 740,682	\$ 282,905	
Other Taxes	\$ 53,873	\$ 38,983	\$ 14,890	\$ 148,013
Total Expenses and Other Taxes	\$ 1,077,460	\$ 779,665	\$ 297,795	
Variable Overhead Calculation				
Variable Overhead	\$ 112,056	\$ 81,085	\$ 30,971	
Total Cost with Variable Overhead	1,189,516	860,750	328,766	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 1,752
total \$ 1,752

Distribution (DLC)

per line cost \$ -
per direct cost \$ 123,546
total \$ 123,546

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 28,243
total \$ 28,243

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 49,418
total \$ 49,418

Feeder (non-DLC)

Exp Assignment

	<i>per line cost</i>	\$	-
	<i>per direct cost</i>	\$	-
	<i>total</i>	\$	-
End Office Switching	\$	177,709	
Signaling	\$	4,673	
Dedicated Transport	\$	34,855	
Dedicated Transport Transmission	\$	11,589	
Direct Transport	\$	15,703	
Direct Transport Transmission	\$	5,221	
Common Transport	\$	47,108	
Common Transport Transmission	\$	15,663	
Tandem Switching	\$	1,572	
Operator Systems	\$	11,712	
Public Telephone	\$	2,961	

COST SUMMARY

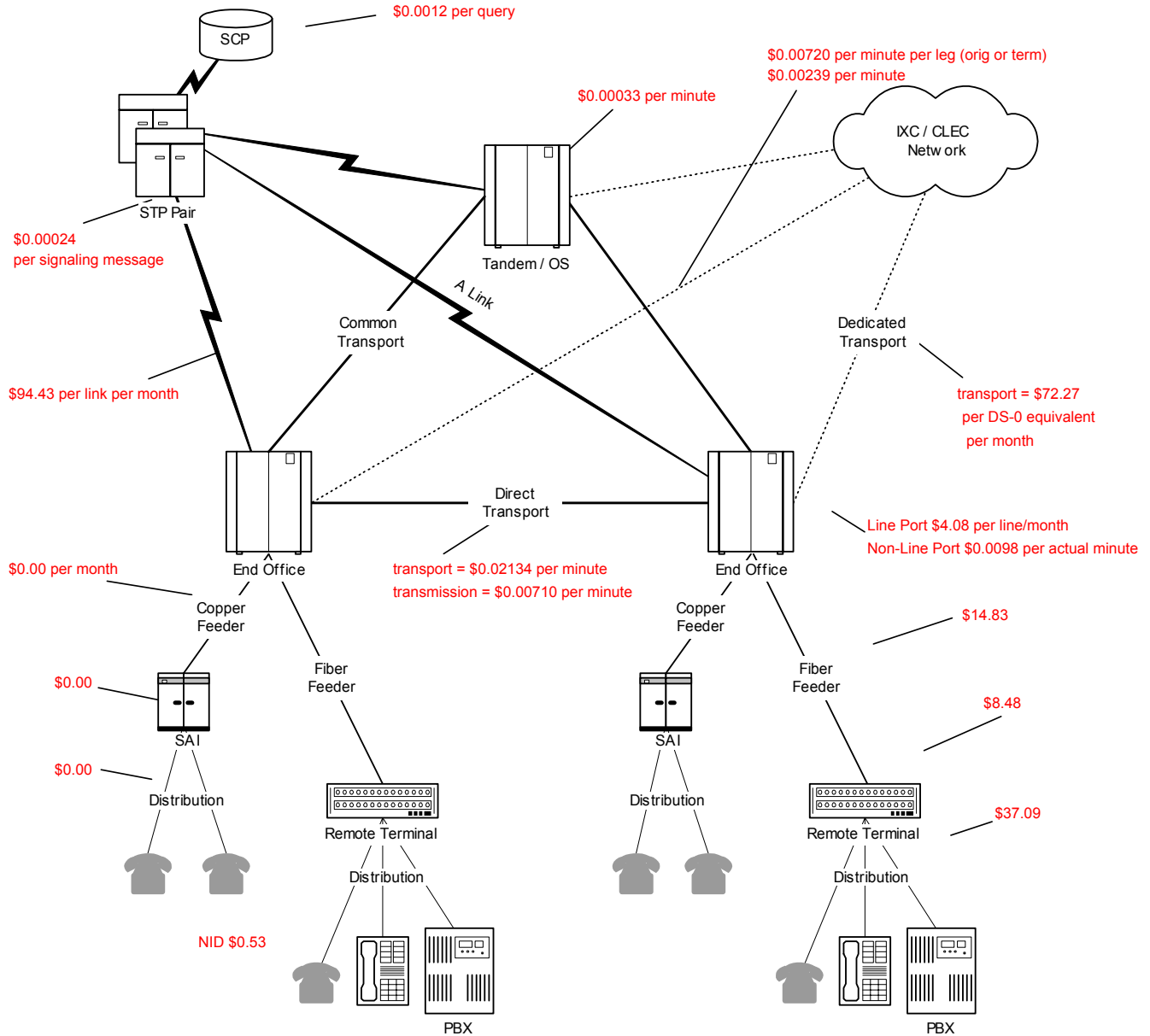
Missouri Oregon Farmers Mutual Tel Co

Network Element	Investment *	% of total investment	1	2	1 + 2	3	1 + 2 + 3	Total
			Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	(with carrier-to-carrier)
NID	\$ 29,673	0.7%	\$ 4,748	\$ 931	\$ 5,679	\$ 1,752	\$ 7,431	\$ 7,446
<i>Distribution (DLC)</i>	1,994,435	44.7%	321,750	78,661	400,412	123,546	523,958	524,803
<i>Distribution (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Distribution (all)	1,994,435	44.7%	321,750	78,661	400,412	123,546	523,958	524,803
<i>Concentrator (DLC)</i>	436,162	9.8%	84,815	6,720	91,535	28,243	119,778	119,959
<i>Concentrator (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Concentrator (all)	436,162	9.8%	84,815	6,720	91,535	28,243	119,778	119,959
<i>Feeder (DLC)</i>	816,946	18.3%	127,692	32,472	160,164	49,418	209,583	209,847
<i>Feeder (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Feeder (all)	816,946	18.3%	127,692	32,472	160,164	49,418	209,583	209,847
End Office Switching	630,630	14.1%	101,228	34,578	135,806	31,986	167,792	185,618
Signaling	17,337	0.4%	2,787	785	3,571	841	4,412	4,881
Dedicated Transport	136,295	3.1%	21,237	5,400	26,637	6,282	32,919	36,417
Dedicated Transport Transmission	42,046	0.9%	8,213	643	8,857	2,089	10,945	12,108
Direct Transport	61,402	1.4%	9,567	2,433	12,000	2,830	14,830	16,406
Direct Transport Transmission	18,942	0.4%	3,700	290	3,990	941	4,931	5,455
Common Transport	184,205	4.1%	28,702	7,298	36,000	8,491	44,491	49,218
Common Transport Transmission	56,826	1.3%	11,100	869	11,970	2,823	14,793	16,365
Tandem Switching	5,029	0.1%	783	418	1,201	283	1,484	1,642
Operator Systems	29,625	0.7%	4,734	4,216	8,950	1,755	10,705	11,843
Public Telephone	5,763	0.1%	1,178	1,084	2,262	444	2,706	2,994
Total Network Cost								
Total	\$ 4,465,316	100%	\$ 732,235	\$ 176,799	\$ 909,035	\$ 261,725	\$ 1,170,760	\$ 1,205,002

* Post sharing

Unbundled Network Elements

Missouri / Oregon Farmers Mutual Tel Co



USOA Detail Breakdown of HAI Model Costs

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	15
2112	MOTOR VEHICLES	30
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	1
2116	OTHER WORK EQUIPMENT	24
2121	BUILDINGS	166
2122	FURNITURE	10
2123.1	OFFICE SUPPORT EQUIPMENT	26
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	40
2110	TOTAL LAND & SUPPORT ASSETS	312
2212	DIGITAL ELECTRONIC SWITCHING	542
2220	OPERATOR SYSTEMS	3
2232	CIRCUIT EQUIPMENT	549
2351	PUBLIC TEL TERMINAL EQUIPMENT	6
2411	POLES	88
2421.1	AERIAL CABLE - METALLIC	45
2421.2	AERIAL CABLE - NonMETALLIC	40
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	1,920
2423.2	BURIED CABLE - NonMETALLIC	1,168
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	3,262
	Total TPIS (before amortizable assets)*	4,673

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

**Oregon Farmers Mutual Tel Co
Missouri**

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	2
6113	AIRCRAFT	1
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	3
6121	LAND & BUILDINGS	20
6122	FURNITURE	1
6123	OFFICE EQUIPMENT	3
6124	GENERAL PURPOSE COMPUTERS	30
6120	LAND & SUPPORT ASSETS	55
6212	DIGITAL ELECTRONIC SWITCHING	26
6220	OPERATOR SYSTEMS	3
6232	CIRCUIT EQUIPMENT	9
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	4
6421	AERIAL CABLE	5
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	119
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	128
	Total Plant Specific Expenses	225
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	46
6561	DEPRECIATION TPIS	279
6623	CUSTOMER SERVICES	2
	Total Plant Nonspecific Operations	327
	TOTAL CORPORATE OPERATIONS	113
	TOTAL OPERATING EXPENSES	665
7240	OPERATING OTHER TAXES	54
	TOTAL EXPENSES & OPERATING TAXES	719

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	3
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	2
2121	48.73	0.02052	3
2122	18.36	0.05449	1
2123.1	12.44	0.08052	2
2123.2	7.99	0.12517	-
2124	6.61	0.15223	6
2110			
2212	17.17	0.05827	32
2220	9.25	0.10829	0
2232	9.90	0.10108	55
2351	8.98	0.11145	1
2411	8.38	0.11972	11
2421.1	13.61	0.07355	3
2421.2	18.92	0.05286	2
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	105
2423.2	21.97	0.04551	53
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			279

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	167,732
Aerial-m portion	3,876
Buried-m portion	163,857

<i>OS Trks + Signaling links</i>	33,612
Circuit Eqpt. portion	5,602
Pole portion	527
Aerial-nm portion	813
Underground-nm portion	-
Buried-nm portion	26,670
Conduit portion	-

<i>SAI</i>	10,900
Aerial-m portion	-
Aerial-nm portion	376
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	-
Buried-nm portion	10,524

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	6,282
Aerial portion	303
Buried portion	5,980

<i>OS Trks + Signaling links</i>	1,303
Circuit Eqpt. portion	217
Pole portion	21
Aerial-nm portion	50
Underground-nm portion	-
Buried-nm portion	1,014
Conduit portion	-

<i>SAI</i>	214
Aerial portion	7
Underground portion	-
Buried portion	206

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	\$ 3,982	\$ 813	\$ 5,310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,106
office equipment	10,178	2,078	13,572	-	-	-	-	-	-	25,828
general purpose computers	15,652	3,195	20,871	-	-	-	-	-	-	39,718
motor vehicles	11,976	2,445	15,970	-	-	-	-	-	-	30,390
buildings	30,249	6,175	40,336	-	-	-	-	-	-	76,760
garage work equipment	344	70	458	-	-	-	-	-	-	872
orther work equipment	9,332	1,905	12,445	-	-	-	-	-	-	23,682
										-
TOTAL	\$ 81,713	\$ 16,680	\$ 108,962	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	207,356
Levelized Cost of Capital										
furniture	\$ 635	\$ 130	\$ 847	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,612
office equipment	1,813	370	2,417	-	-	-	-	-	-	4,600
general purpose computers	3,788	773	5,052	-	-	-	-	-	-	9,613
motor vehicles	2,286	467	3,048	-	-	-	-	-	-	5,801
buildings	4,569	933	6,093	-	-	-	-	-	-	11,595
garage work equipment	67	14	89	-	-	-	-	-	-	170
orther work equipment	1,600	327	2,133	-	-	-	-	-	-	4,059
TOTAL	\$ 14,758	\$ 3,013	\$ 19,679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,450

Distribution

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-6000	6000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Distribution Investment										
buried cable	\$ 279,358	\$ 43,796	\$ 497,768	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	820,922
aerial cable	14,138	2,216	25,191	-	-	-	-	-	-	41,545
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	483,273	111,175	341,082	-	-	-	-	-	-	935,530
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	29,607	7,089	21,684	-	-	-	-	-	-	58,380
terminal	19,782	1,727	38,951	-	-	-	-	-	-	60,460
drop	24,831	2,149	50,619	-	-	-	-	-	-	77,599
TOTAL	\$ 850,988	\$ 168,151	\$ 975,295	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,994,435
	42.67%	8.43%	48.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 44,551	\$ 6,984	\$ 79,383	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	130,918
aerial cable	2,441	383	4,350	-	-	-	-	-	-	7,173
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	77,071	17,730	54,395	-	-	-	-	-	-	149,196
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	6,275	1,502	4,596	-	-	-	-	-	-	12,373
terminal	3,165	276	6,232	-	-	-	-	-	-	9,674
drop	3,973	344	8,099	-	-	-	-	-	-	12,416
TOTAL	\$ 137,476	\$ 27,219	\$ 157,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,750
Network Expenses										
buried cable	10,861	1,703	19,352	-	-	-	-	-	-	31,916
aerial cable	889	139	1,584	-	-	-	-	-	-	2,613
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	18,789	4,322	13,261	-	-	-	-	-	-	36,372
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	1,222	293	895	-	-	-	-	-	-	2,409
terminal	767	67	1,510	-	-	-	-	-	-	2,343
drop	962	83	1,962	-	-	-	-	-	-	3,008
TOTAL	\$ 33,490	\$ 6,607	\$ 38,564	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	78,661
Summary										
Cost of Capital	\$ 137,476	\$ 27,219	\$ 157,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	321,750
Network Expense	33,490	6,607	38,564	-	-	-	-	-	-	78,661
TOTAL	\$ 170,966	\$ 33,827	\$ 195,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	400,412
Copper Feeder										
Distribution Investment										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Distribution Investment										
buried cable	\$ 279,358	\$ 43,796	\$ 497,768	- \$	- \$	- \$	- \$	- \$	- \$	820,922
aerial cable	\$ 14,138	\$ 2,216	\$ 25,191	- \$	- \$	- \$	- \$	- \$	- \$	41,545
underground cable	-	-	-	- \$	- \$	- \$	- \$	- \$	- \$	-
buried trenching	\$ 483,273	\$ 111,175	\$ 341,082	- \$	- \$	- \$	- \$	- \$	- \$	935,530
conduit	-	-	-	- \$	- \$	- \$	- \$	- \$	- \$	-
underground trenching	-	-	-	- \$	- \$	- \$	- \$	- \$	- \$	-
poles	\$ 29,607	\$ 7,089	\$ 21,684	- \$	- \$	- \$	- \$	- \$	- \$	58,380
terminal	\$ 19,782	\$ 1,727	\$ 38,951	- \$	- \$	- \$	- \$	- \$	- \$	60,460
drop	\$ 24,831	\$ 2,149	\$ 50,619	- \$	- \$	- \$	- \$	- \$	- \$	77,599
TOTAL	\$ 850,988	\$ 168,151	\$ 975,295	- \$	- \$	- \$	- \$	- \$	- \$	1,994,435
	42.67%	8.43%	48.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 44,551	\$ 6,984	\$ 79,383	- \$	- \$	- \$	- \$	- \$	- \$	130,918
aerial cable	\$ 2,441	\$ 383	\$ 4,350	- \$	- \$	- \$	- \$	- \$	- \$	7,173
underground cable	-	-	-	- \$	- \$	- \$	- \$	- \$	- \$	-
buried trenching	\$ 77,071	\$ 17,730	\$ 54,395	- \$	- \$	- \$	- \$	- \$	- \$	149,196
conduit	-	-	-	- \$	- \$	- \$	- \$	- \$	- \$	-
underground trenching	-	-	-	- \$	- \$	- \$	- \$	- \$	- \$	-
poles	\$ 6,275	\$ 1,502	\$ 4,596	- \$	- \$	- \$	- \$	- \$	- \$	12,373
terminal	\$ 3,165	\$ 276	\$ 6,232	- \$	- \$	- \$	- \$	- \$	- \$	9,674
drop	\$ 3,973	\$ 344	\$ 8,099	- \$	- \$	- \$	- \$	- \$	- \$	12,416
TOTAL	\$ 137,476	\$ 27,219	\$ 157,054	- \$	- \$	- \$	- \$	- \$	- \$	321,750
Network Expenses										
buried cable	\$ 10,861	\$ 1,703	\$ 19,352	- \$	- \$	- \$	- \$	- \$	- \$	31,916
aerial cable	889	139	1,584	-	-	-	-	-	-	2,613
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	18,789	4,322	13,261	-	-	-	-	-	-	36,372
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	1,222	293	895	-	-	-	-	-	-	2,409
terminal	767	67	1,510	-	-	-	-	-	-	2,343
drop	962	83	1,962	-	-	-	-	-	-	3,008
TOTAL	\$ 33,490	\$ 6,607	\$ 38,564	- \$	- \$	- \$	- \$	- \$	- \$	78,661
Summary										
Cost of Capital	\$ 137,476	\$ 27,219	\$ 157,054	- \$	- \$	- \$	- \$	- \$	- \$	321,750
Network Expense	33,490	6,607	38,564	-	-	-	-	-	-	78,661
TOTAL	\$ 170,966	\$ 33,827	\$ 195,618	- \$	- \$	- \$	- \$	- \$	- \$	400,412
NID Cost										
NID Investment	\$ 6,726	\$ 583	\$ 22,364	- \$	- \$	- \$	- \$	- \$	- \$	29,673
Levelized Cost of Capital	1,076	93	3,578	-	-	-	-	-	-	4,748
Network Expenses	231	20	680	-	-	-	-	-	-	931
TOTAL	\$ 1,308	\$ 113	\$ 4,258	- \$	- \$	- \$	- \$	- \$	- \$	5,679

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	\$ 176,781	\$ 62,781	\$ 185,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	425,262
SAI Investment	3,750	350	6,800	-	-	-	-	-	-	10,900
										\$ -
TOTAL	\$ 180,531 41.39%	\$ 63,131 14.47%	\$ 192,500 44.13%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	436,162 100.00%
Levelized Cost of Capital										
DLC	\$ 34,533	\$ 12,264	\$ 36,275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	83,071
SAI	600	56	1,088	-	-	-	-	-	-	1,744
TOTAL	\$ 35,133	\$ 12,320	\$ 37,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,815
Network Expenses										
DLC	\$ 2,705	\$ 961	\$ 2,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,507
SAI	74	7	133	-	-	-	-	-	-	214
TOTAL	\$ 2,778	\$ 967	\$ 2,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,720
Summary										
Cost of Capital	\$ 35,133	\$ 12,320	\$ 37,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	84,815
Network Expense	2,778	967	2,975	-	-	-	-	-	-	6,720
TOTAL	\$ 37,911	\$ 13,287	\$ 40,337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	91,535

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

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Total</i>										
Concentrator Investment										
DLC Investment	\$ 176,781	\$ 62,781	\$ 185,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	425,262
SAI Investment	3,750	350	6,800	-	-	-	-	-	-	10,900
TOTAL	\$ 180,531 41.39%	\$ 63,131 14.47%	\$ 192,500 44.13%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	436,162 100.00%

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	\$	34,533	\$	12,264	\$	36,275	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	83,071
SAI		600		56		1,088		-		-		-		-		-		-	1,744
TOTAL	\$	35,133	\$	12,320	\$	37,363	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	84,815
Network Expenses																			
DLC	\$	2,705	\$	961	\$	2,841	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	6,507
SAI		74		7		133		-		-		-		-		-		-	214
TOTAL	\$	2,778	\$	967	\$	2,975	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	6,720
Summary																			
Cost of Capital	\$	35,133	\$	12,320	\$	37,363	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	84,815
Network Expense		2,778		967		2,975		-		-		-		-		-		-	6,720
TOTAL	\$	37,911	\$	13,287	\$	40,337	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	91,535

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	413,027	97,400	44,686	-	-	-	-	-	-	555,113
fiber buried cable	20,377	4,796	2,221	-	-	-	-	-	-	27,393
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	42,250	3,688	166,383	-	-	-	-	-	-	212,321
poles	4,402	384	17,334	-	-	-	-	-	-	22,120
TOTAL	\$ 480,056	\$ 106,268	\$ 230,623	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 816,946
	58.76%	13.01%	28.23%	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	63,863	15,060	6,909	-	-	-	-	-	-	85,833
fiber aerial cable	3,230	760	352	-	-	-	-	-	-	4,342
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	6,533	570	25,727	-	-	-	-	-	-	32,830
poles	933	81	3,674	-	-	-	-	-	-	4,688
TOTAL	\$ 74,559	\$ 16,472	\$ 36,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,692
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	16,058	3,787	1,737	-	-	-	-	-	-	21,582
fiber aerial cable	1,281	302	140	-	-	-	-	-	-	1,723
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	1,643	143	6,469	-	-	-	-	-	-	8,255
poles	182	16	715	-	-	-	-	-	-	913
TOTAL	\$ 19,164	\$ 4,248	\$ 9,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,472
Summary										
Cost of Capital	\$ 74,559	\$ 16,472	\$ 36,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,692
Network Expense	19,164	4,248	9,061	-	-	-	-	-	-	32,472
TOTAL	\$ 93,722	\$ 20,720	\$ 45,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,164

	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	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-

Feeder

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

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	413,027	97,400	44,686	-	-	-	-	-	-	555,113
fiber aerial cable	20,377	4,796	2,221	-	-	-	-	-	-	27,393
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	42,250	3,688	166,383	-	-	-	-	-	-	212,321
poles	4,402	384	17,334	-	-	-	-	-	-	22,120
TOTAL	\$ 480,056	\$ 106,268	\$ 230,623	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 816,946
	58.76%	13.01%	28.23%	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	63,863	15,060	6,909	-	-	-	-	-	-	85,833
fiber aerial cable	3,230	760	352	-	-	-	-	-	-	4,342
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	6,533	570	25,727	-	-	-	-	-	-	32,830
poles	933	81	3,674	-	-	-	-	-	-	4,688
TOTAL	\$ 74,559	\$ 16,472	\$ 36,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,692
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	16,058	3,787	1,737	-	-	-	-	-	-	21,582
fiber aerial cable	1,281	302	140	-	-	-	-	-	-	1,723
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	1,643	143	6,469	-	-	-	-	-	-	8,255
poles	182	16	715	-	-	-	-	-	-	913
TOTAL	\$ 19,164	\$ 4,248	\$ 9,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,472
Summary										
Cost of Capital	\$ 74,559	\$ 16,472	\$ 36,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,692
Network Expense	19,164	4,248	9,061	-	-	-	-	-	-	32,472
TOTAL	\$ 93,722	\$ 20,720	\$ 45,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,164

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	\$ 109,395	\$ 9,549	\$ 411,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	530,630
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	17,524	1,530	65,947	-	-	-	-	-	-	85,000
land	3,092	270	11,638	-	-	-	-	-	-	15,000
TOTAL	\$ 130,011	\$ 11,348	\$ 489,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	630,630
	20.62%	1.80%	77.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 17,702	\$ 1,545	\$ 66,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,865
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	2,647	231	9,961	-	-	-	-	-	-	12,840
land	520	45	1,958	-	-	-	-	-	-	2,524
TOTAL	\$ 20,869	\$ 1,822	\$ 78,537	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,228
Network Expenses										
end office switching	\$ 5,196	\$ 454	\$ 19,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,205
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	1,932	169	7,272	-	-	-	-	-	-	9,373
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,129	\$ 622	\$ 26,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,578
Summary										
Cost of Capital	\$ 20,869	\$ 1,822	\$ 78,537	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,228
Network Expense	7,129	622	26,827	-	-	-	-	-	-	34,578
TOTAL	\$ 27,998	\$ 2,444	\$ 105,365	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	135,806

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	\$ 589	\$ 51	\$ 2,217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,857
SCP wire center	94	8	355	-	-	-	-	-	-	457
STP	1,296	113	4,877	-	-	-	-	-	-	6,286
signaling links	1,595	139	6,002	-	-	-	-	-	-	7,736
TOTAL	\$ 3,574	\$ 312	\$ 13,451	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,337
	20.62%	1.80%	77.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 95	\$ 8	\$ 359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	462
SCP wire center	14	1	54	-	-	-	-	-	-	69
STP	210	18	789	-	-	-	-	-	-	1,017
signaling links	255	22	960	-	-	-	-	-	-	1,238
TOTAL	\$ 574	\$ 50	\$ 2,162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,787
Network Expenses										
SCP	\$ 28	\$ 2	\$ 105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	136
SCP wire center	10	1	39	-	-	-	-	-	-	50
STP	62	5	232	-	-	-	-	-	-	299
signaling links	62	5	233	-	-	-	-	-	-	300
TOTAL	\$ 162	\$ 14	\$ 609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	785
Summary										
Cost of Capital	\$ 574	\$ 50	\$ 2,162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,787
Network Expense	162	14	609	-	-	-	-	-	-	785
TOTAL	\$ 736	\$ 64	\$ 2,771	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,571

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	25,824	2,254	101,695	-	-	-	-	-	-	129,773
aerial cable	787	69	3,101	-	-	-	-	-	-	3,957
poles	510	45	2,010	-	-	-	-	-	-	2,565
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 27,122	\$ 2,367	\$ 106,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	136,295
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	3,993	349	15,724	-	-	-	-	-	-	20,066
aerial cable	125	11	491	-	-	-	-	-	-	627
poles	108	9	426	-	-	-	-	-	-	544
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,226	\$ 369	\$ 16,642	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,237
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,004	88	3,954	-	-	-	-	-	-	5,045
aerial cable	50	4	195	-	-	-	-	-	-	249
poles	21	2	83	-	-	-	-	-	-	106
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,075	\$ 94	\$ 4,232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,400
Summary										
Cost of Capital	\$ 4,226	\$ 369	\$ 16,642	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,237
Network Expense	1,075	94	4,232	-	-	-	-	-	-	5,400
TOTAL	\$ 5,301	\$ 463	\$ 20,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,637
Transmission Terminal										
investment	\$ 8,367	\$ 730	\$ 32,949	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,046
levelized cost of capital	1,634	143	6,436	-	-	-	-	-	-	8,213
network expenses	128	11	504	-	-	-	-	-	-	643
TOTAL	\$ 1,762	\$ 154	\$ 6,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,857

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	11,634	1,015	45,814	-	-	-	-	-	-	58,464
aerial cable	355	31	1,397	-	-	-	-	-	-	1,783
poles	230	20	906	-	-	-	-	-	-	1,156
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 12,219	\$ 1,066	\$ 48,117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	61,402
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,799	157	7,084	-	-	-	-	-	-	9,040
aerial cable	56	5	221	-	-	-	-	-	-	283
poles	49	4	192	-	-	-	-	-	-	245
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,904	\$ 166	\$ 7,497	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,567
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	452	39	1,781	-	-	-	-	-	-	2,273
aerial cable	22	2	88	-	-	-	-	-	-	112
poles	9	1	37	-	-	-	-	-	-	48
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 484	\$ 42	\$ 1,906	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,433
Summary										
Cost of Capital	\$ 1,904	\$ 166	\$ 7,497	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9,567
Network Expense	484	42	1,906	-	-	-	-	-	-	2,433
TOTAL	\$ 2,388	\$ 208	\$ 9,404	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,000
Transmission Terminal										
investment	\$ 3,769	\$ 329	\$ 14,844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,942
levelized cost of capital	736	64	2,900	-	-	-	-	-	-	3,700
network expenses	58	5	227	-	-	-	-	-	-	290
TOTAL	\$ 794	\$ 69	\$ 3,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,990

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	34,901	3,046	137,443	-	-	-	-	-	-	175,391
aerial cable	1,064	93	4,191	-	-	-	-	-	-	5,348
poles	690	60	2,717	-	-	-	-	-	-	3,467
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 36,656	\$ 3,199	\$ 144,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	184,205
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	5,397	471	21,252	-	-	-	-	-	-	27,119
aerial cable	169	15	664	-	-	-	-	-	-	848
poles	146	13	576	-	-	-	-	-	-	735
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 5,711	\$ 499	\$ 22,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,702
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,357	118	5,344	-	-	-	-	-	-	6,819
aerial cable	67	6	264	-	-	-	-	-	-	336
poles	28	2	112	-	-	-	-	-	-	143
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,452	\$ 127	\$ 5,719	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,298
Summary										
Cost of Capital	\$ 5,711	\$ 499	\$ 22,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,702
Network Expense	1,452	127	5,719	-	-	-	-	-	-	7,298
TOTAL	\$ 7,164	\$ 625	\$ 28,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,000
Transmission Terminal										
investment	\$ 11,308	\$ 987	\$ 44,531	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	56,826
levelized cost of capital	2,209	193	8,699	-	-	-	-	-	-	11,100
network expenses	173	15	681	-	-	-	-	-	-	869
TOTAL	\$ 2,382	\$ 208	\$ 9,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11,970

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	\$ 448	\$ 39	\$ 1,685	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,172
wire center	589	51	2,217	-	-	-	-	-	-	2,857
TOTAL	\$ 1,037	\$ 90	\$ 3,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,029
Levelized Cost of Capital										
tandem switching	\$ 72	\$ 6	\$ 273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	351
wire center	89	8	335	-	-	-	-	-	-	432
TOTAL	\$ 161	\$ 14	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	783
Network Expenses										
tandem switching	\$ 21	\$ 2	\$ 80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	103
wire center	65	6	244	-	-	-	-	-	-	315
TOTAL	\$ 86	\$ 8	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	418
Summary										
Cost of Capital	\$ 161	\$ 14	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	783
Network Expense	86	8	325	-	-	-	-	-	-	418
TOTAL	\$ 248	\$ 22	\$ 932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,201

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	\$ 189	\$ 16	\$ 709	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	914
OS Tandem Wire Center	236	21	887	-	-	-	-	-	-	1,143
OS Trunks	5,335	466	20,076	-	-	-	-	-	-	25,876
OS Position	349	30	1,312	-	-	-	-	-	-	1,691
TOTAL	\$ 6,107	\$ 533	\$ 22,984	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,625
Levelized Cost of Capital										
OS Tandem Switching	\$ 31	\$ 3	\$ 115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	148
OS Tandem Wire Center	36	3	134	-	-	-	-	-	-	173
OS Trunks	825.5375643	72.05674456	3106.737515	0	0	0	0	0	0	4,004
OS Position	84	7	318	-	-	-	-	-	-	409
TOTAL	\$ 976	\$ 85	\$ 3,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,734
Network Expenses										
OS Tandem Switching	\$ 9	\$ 1	\$ 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	43
OS Tandem Wire Center	26	2	98	-	-	-	-	-	-	126
OS Trunks	207	18	778	-	-	-	-	-	-	1,003
OS Position	24	2	89	-	-	-	-	-	-	114
Operator Wages	604	53	2,273	-	-	-	-	-	-	2,930
TOTAL	\$ 869	\$ 76	\$ 3,271	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,216
Summary										
Cost of Capital	\$ 976	\$ 85	\$ 3,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,734
Network Expense	869	76	3,271	-	-	-	-	-	-	4,216
TOTAL	\$ 1,845	\$ 161	\$ 6,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,950

Public Telephone

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Public Telephone Investment	\$ 1,188	\$ 104	\$ 4,471	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,763
	20.62%	1.80%	77.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 243	\$ 21	\$ 914	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,178
Network Expenses	\$ 223	\$ 20	\$ 841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,084
Summary										
Cost of Capital	\$ 243	\$ 21	\$ 914	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,178
Network Expense	223	20	841	-	-	-	-	-	-	1,084
TOTAL	\$ 466	\$ 41	\$ 1,755	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,262

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								0.13779	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	0.15418	
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	

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	0.02090	0.02107	0.02124	0.02141	0.02158	0.02175	0.02192	0.02209	0.02226	0.02243	0.02260	0.02277	0.02294	0.02311	0.02328	0.02345	0.02362	0.02379	0.02396	0.02413	0.02430	0.02447	0.02464	0.02481	0.02498	0.02515	0.02532	0.02549	0.02566	
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	0.09356	0.09390	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	
Fax-GU-Fact	0.15086	0.15083	0.15080	0.15082	0.15084	0.15086	0.15087	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	0.16051	0.16063	0.16077	0.16088	
COE	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	
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	
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	
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	0.16051	0.16063	0.16077	0.16088	0.16099	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	
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
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	
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	
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	
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	
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	
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	
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	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15641	0.15651	0.15661	0.15671	0.15681	0.15691	0.15701	0.15711	0.15721	0.15731	0.15741	0.15751	0.15761	
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	
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	
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	
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	
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	
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	
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	
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	
17	0.11179	0.11317	0.11457	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	
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	
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	0.12568	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	
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	
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	0.10914	0.11004	0.11084	0.11164	0.11234	0.11304	0.11374	0.11444	0.11514	0.11584	0.11654	0.11724	0.11794	0.11864	0.11934	0.12004	0.12074	0.12144	0.12214	0.12284	
22																																	

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCFAct	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12699	0.12746	0.12792	0.12837	0.12880	0.12922	0.12964	0.13004	0.13043	0.13081	0.13118	0.13154	0.13189
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12201
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10767	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09552	0.09632
40	0.08062	0.08179	0.08292	0.08402	0.08509	0.08613	0.08715	0.08813	0.08909	0.09002	0.09093	0.09182	0.09269	0.09352	0.09435
41	0.07823	0.07943	0.08060	0.08173	0.08284	0.08391	0.08495	0.08597	0.08696	0.08792	0.08885	0.08977	0.09066	0.09152	0.09237
42	0.07584	0.07708	0.07828	0.07945	0.08058	0.08169	0.08276	0.08381	0.08482	0.08581	0.08678	0.08772	0.08863	0.08952	0.09039
43	0.07345	0.07472	0.07596	0.07716	0.07833	0.07946	0.08057	0.08164	0.08269	0.08371	0.08470	0.08566	0.08660	0.08752	0.08842
44	0.07106	0.07237	0.07364	0.07488	0.07608	0.07724	0.07838	0.07948	0.08055	0.08160	0.08262	0.08361	0.08458	0.08552	0.08644
45	0.06867	0.07002	0.07132	0.07259	0.07382	0.07502	0.07618	0.07732	0.07842	0.07949	0.08054	0.08156	0.08255	0.08352	0.08447
46	0.06628	0.06766	0.06900	0.07030	0.07157	0.07280	0.07399	0.07515	0.07629	0.07739	0.07846	0.07951	0.08053	0.08152	0.08249
47	0.06390	0.06531	0.06668	0.06802	0.06931	0.07057	0.07180	0.07299	0.07415	0.07528	0.07638	0.07746	0.07850	0.07952	0.08051
48	0.06151	0.06296	0.06436	0.06573	0.06706	0.06835	0.06961	0.07085	0.07202	0.07318	0.07430	0.07540	0.07648	0.07752	0.07854
49	0.05912	0.06060	0.06204	0.06344	0.06480	0.06613	0.06741	0.06867	0.06988	0.07107	0.07223	0.07335	0.07445	0.07552	0.07656
50	0.05673	0.05825	0.05972	0.06116	0.06255	0.06390	0.06522	0.06650	0.06775	0.06896	0.07015	0.07130	0.07242	0.07352	0.07459
51	0.05434	0.05589	0.05740	0.05887	0.06030	0.06168	0.06303	0.06434	0.06562	0.06686	0.06807	0.06925	0.07040	0.07152	0.07261
52	0.05195	0.05354	0.05508	0.05658	0.05804	0.05946	0.06084	0.06218	0.06348	0.06475	0.06599	0.06720	0.06837	0.06952	0.07063
53	0.04956	0.05119	0.05277	0.05430	0.05579	0.05724	0.05864	0.06001	0.06135	0.06265	0.06391	0.06514	0.06635	0.06752	0.06866
54	0.04717	0.04883	0.05045	0.05201	0.05353	0.05501	0.05645	0.05785	0.05921	0.06054	0.06183	0.06309	0.06432	0.06552	0.06668
55	0.04479	0.04648	0.04813	0.04973	0.05128	0.05279	0.05426	0.05569							

EXPENSE MODULE INPUTS

	User Inputs	Calculations
State	Missouri	
Company	Oregon Farmers Mutual Tel Co	

May 4, 2006
4:17 PM

Cost of Capital Inputs

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

55.80%
65.42%
11.25%

Traffic Inputs

local DEMs, thousands	13,473	
intrastate DEMs, thousands	2,876	
interstate DEMs, thousands	2,840	
Local call completion fraction	70.00%	
Total local calls attempted	3,052	
Total intraLATA calls completed	182	
Total interLATA calls completed - intrastate	183	
Total interLATA calls completed - interstate	391	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.04%	
D link investment, per link	\$ -	
Bus/Res DEMs ratio (local, state, interstate)	110%	
entrance facility investment per line	-	
local direct-routed fraction	98.00%	
tandem-routed intraLATA fraction	100.00%	
tandem-routed access fraction	100.00%	
maximum trunk usage, CCS	27.5	
ISUP msgs per i/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	\$ 100	
Switch line circuit offset per DLC line	\$ -	
Total signaling links	2	
Average trunk utilization	30.00%	

19,189 total DEMs, thousands
2,136 Total local calls completed

200% 300%

Cost Parameters

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

Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 41,545
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 32,741
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	\$ 820,922
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 918,740
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	\$ 862,466
Average Non-Metallic Cable (calculated)				21.85	\$ 951,481

\$ 3,051
\$ 1,730
\$ -
\$ -
\$ 44,713
\$ 41,809
\$ 47,765
\$ 43,539

Structure fraction assigned to telephone

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

Usage Calculations

Intrastate Toll DEMs	2,876,000	
Interstate Toll DEMs	2,840,000	
trunk port usage	33,035,216	
trk-min/mo	10,044	
interLATA ded. trunks	47	
Common Transport MOU		
Local	31,516	w/o OS usage
Intrastate Toll	2,876,000	
Interstate Toll	2,840,000	
	5,747,516	
Intrastate IntraLATA Calls	182	49.86% SOCCC message counts
Intrastate InterLATA Calls	183	50.14%
	365	

Calculation of EO Usage

Local DEMs, incl OS	13,473,000		70.2% of total DEMs	
Intraoffice Local DEMs	11,850,976			
Intraoffice Local Actual Min	5,925,488			
Interoffice Local Actual Min	1,622,024	per end	Dedicated Transport MOU	
Intrastate Toll Actual Min	2,876,000		Local, w/o OS	772,152
Interstate Toll Actual Min	<u>2,840,000</u>		IntralATA Toll	-
	13,263,512		InterLATA Toll	<u>5,716,000</u>
				6,488,152
Tandem Switch MOU			Dedicated Trunk-SW	54
Local	15,758			
IntraLATA Toll	717,030			
InterLATA Toll	<u>4,281,940</u>			
	5,014,728			

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO		
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES	
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	7		
		7240 OPERATING OTHER TAXES	31		
		5300 UNCOLLECTIBLE REVENUES		12	
		530 NET REVENUES		755	
		GROSS REVENUES (5300 + 530)		767	
		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		10	0.000000
		2121 BUILDINGS		150	0
6121		TOTAL LAND & BUILDINGS	17	160	0.103180
6112	2112	2112 MOTOR VEHICLES	1	26	0.034751
6113	2113	2113 AIRCRAFT	0	1	0.312456
6114	2114	2114 SPECIAL PURPOSE VEHICLES	0	0	0.014245
6115	2115	2115 GARAGE WORK EQUIPMENT	0	1	0.035334
6116	2116	2116 OTHER WORK EQUIPMENT	0	20	0.011313
6122	2122	2122 FURNITURE	1	10	0.122429
6123	2123	2123 OFFICE EQUIPMENT	3	25	0.101497
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	25	39	0.638091156
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	45	282	0.15965268
		TPIS - CENTRAL OFFICE SWITCHING			
		-			
6211	2211	2211 ANALOG ELECT SWITCH	1	16	0.045322
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	28	493	0.056899071
6220	2220	2220 OPERATOR SYSTEMS	1	7	0.06751836
6210	2210	22102221022102210 CENTRAL OFFICE SWITCH	29	517	0.056940858
		TPIS - CENTRAL OFFICE TRANSMISSION			
		-			
6232	2232	2232 CIRCUIT EQUIPMENT	6	340	0.016263483
6230	2230	2230 TRANSMISSION	6	355	0.01663194
		TPIS - INFORMATION ORIG/TERM			
		-			
6311	2311	2311 STATION APPARATUS	0	0	0.382353
		2321 CUSTOMER PREMISES WIRING	0	0	#DIV/0!
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0	4.500000
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	2	11	0.188118
6362	2362	2362 OTHER TERMINAL EQUIPMENT	3	19	0.176349542
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	5	30	0.182377792
		TPIS - CABLE & WIRE FACILITIES			
		-			
6411	2411	2411 POLES	2	59	0.041273
6421	2421	2421 AERIAL CABLE	17	276	0.062887
6422	2422	2422 UNDERGROUND CABLE	3	176	0.019603
6423	2423	2423 BURIED CABLE	19	488	0.038878
6441	2441	2441 CONDUIT SYSTEMS	0	100	0.003678698
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	43	1,110	0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	86	2,311	0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT	C. EXP/INV (A/B)
		=	=	=	=
6512	240	6512 PROVISIONING EXPENSES	1	2,311	0.000300
6531	240	6531 POWER EXPENSES	4	2,311	0.001623
6532	240	6532 NETWORK ADMINISTRATION	9	2,311	0.004102
6533	240	6533 TESTING	10	2,311	0.004252
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	15	2,311	0.006391
6535	240	6535 ENGINEERING	8	2,311	0.003373
6540	240	6540 ACCESS EXPENSE	13	2,311	0.005573799
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	46	2,311	0.019740601
6561	240	6561656165616561 DEPRECIATION -TPISDEPRECIATION -TPIS	161 161 161 161 161	2,311 2,311 2,311 2,311	0.0696775250 0.069677525
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV	C. EXP/INV (A/B)
		=	=	=	=
6112		2112 MOTOR VEHICLES	1		
6113		2113 AIRCRAFT	0		
6114		2114 SPECIAL PURPOSE VEHICLES	0		
6115		2115 GARAGE WORK EQUIPMENT	0		
6116		2116 OTHER WORK EQUIPMENT	0		
		TOTAL NETWORK SUPPORT (EXCL 2113)	1	1,110	0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES	C. EXP/NET REV (A/B)
		=	=	=	=
6611		6611 PRODUCT MANAGEMENT	7		CALC
6612		6612 SALES	12		CALC
6613		6613 PRODUCT ADVERTISING	4		CALC
6610		6610 TOTAL MARKETING EXPENSES	23		CALC
6621		6621 CALL COMPLETION SERVICE	5		CALC
6622		6622 NUMBER SERVICES	13		CALC
6623		6623 CUSTOMER SERVICES	41		CALC

6620	6620 TOTAL SERVICES EXPENSES	59	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	82	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	3	CALC
6712	6712 PLANNING	2	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	5	CALC
6721	6721 ACCOUNTING & FINANCE	9	CALC
6722	6722 EXTERNAL RELATIONS	6	CALC
6723	6723 HUMAN RESOURCES	7	CALC
6724	6724 INFORMATION MANAGEMENT	26	CALC
6725	6725 LEGAL	2	CALC
6726	6726 PROCUREMENT	1	CALC
6727	6727 RESEARCH & DEVELOPMENT	2	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	22	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	74	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	98	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	13,474	
	DEM - INTRASTATE	2,877	
	DEM - INTERSTATE	2,840	
	MESSAGES - INTRALATA	183	
	MESSAGES - INTERLATA - interstate	391	
	MESSAGES - INTERLATA - intrastate	183,943,049	
4308 (EC)	LOCAL CALL ATTEMPTS	3,053	
	LINES - BUSINESS	296	
	RESIDENTIAL	803	
	PUBLIC	9	
	SPECIAL	74	
	TOTAL	1,184	
	5081 END USER		50
	5082 SWITCHED ACCESS		112
	5083 SPECIAL ACCESS		21
	TOTAL INTER ACCESS		183
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		94
	TOTAL ACCESS REVENUES		278
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		80
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	5120 LD PRIVATE NETWORK		7
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		90
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		245
	5002 OPTIONAL EXTEND AREA		7
	5003 CELLAR MOBIL		6
	5004 OTHER MOBIL SVC		0
	TOTAL BASIC SVC		258
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

	SEMI-PUBLIC OTHER PUBLIC PHONE REV TOTAL PUBLIC PHONE REVENUE				7	
	5040 LOCAL PRIVATE LINE				9	
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				1	
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				60	
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				334.8219269	
	TOTAL REVENUE				702.8377372	
	CAPITAL STRUCTURE PARAMETERS					
	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO
	COST OF DEBT					
	COST OF EQUITY					
		BALANCE SHEET	ACCRUEL		DEPR LIFE	
		43-02, B-1	43-02, B-5		(ASSUMING	
		AVG=(ab+af)/2	(col 2C)		STRAIGHT LIFE)	
		A	B		C = (A/C)	
		-	-		-	
	ECONOMIC LIFE					
(2422,21,22,23,41)	FEEDER					
(2422,21,22,23,41)	DISTRIBUTION					
	2121 BUILDINGS					
	2232 DLC ELECTRONIC EQUIPMENT					
	2212 EO SWITCHING					
	2212 TANDEM SWITCHING					
	2220 OS POSITIONS					
	2220 OS TANDEM					
	2232 TRANSMISSION SYSTEMS					
	2351 PUBLIC TELEPHONE EQUIPMENT					
2122,2124	FURNITURE + GP COMPUTERS					
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum checksum check						
ARMIS 4303	Jan 1996 to Dec 1996			28215	495	
ARMIS 4304	GEORGIA			9007 (EJ)	9010	
ARMIS 4308		0 (EJ)				
DEM				0		
=	=	=	=	=	=	
UNCOLL RATE:	BA Lcl Svc	4303.Ln 520				334.8300791
	LD Ntwk Svs Rev	4303.Ln 525				90.7952287
	End User	4303.Ln 5081				50.2447952
	Sw Acc	4303.Ln 5082				112.4935738
	Spcl Acc	4303.Ln 5083				20.70164478
	St Acc	4303.Ln 5084				94.49266526
	Uncoll Rev	4303.Ln 5300				11.90863325
	Tot Acc	4304.Ln4040 (P)				0.987100514
	B&C	4304.Ln4040 (Q)				0.096950093
	IX	4304.Ln4040 (R)				0.003504679
	Ln4040 (P+Q+R)	Calc (P+Q+R)				1.087555287
Uncoll -Acc	5300-(4040p..r)	1a				10.82107796
End User+ Rievs	5081+520+525	1b				475.8701103
Uncoll Retail Rate		1c=(a/b)				0.022739563
Uncoll Wholesale rate	4040p/(5082..5084)	2a				0.004335323

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 10	\$ -	-	
2112 Motor Vehicles	\$ 26	\$ 1	0.0348	
2113 Aircraft	\$ 1	\$ 0	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 1	\$ 0	0.0353	
2116 Other Work Equipment	\$ 20	\$ 0	0.0113	
2121 Buildings	\$ 150	\$ 17	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 10	\$ 1	0.1224	
2123 Office Equipment	\$ 25	\$ 3	0.1015	
2124 General Purpose Computers	\$ 39	\$ 25	0.6381	
2110 Total Land & Support Assets	\$ 282	\$ 47	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 16	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 493	\$ 28	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 509	\$ 29	0.0565	
2220 Operator Systems	\$ 7	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 340	\$ 6	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 340	\$ 6	0.0163	
TPIS - Information Orig/Term				
2311 Station Apparatus	\$ 0	\$ 0	0.3824	
2321 Customer Premises Wiring	\$ -	\$ -	0.0000	
2341 Large Private Branch Exchange	\$ 0	\$ 0	4.5000	
2351 Public Telephone Terminal Equipment	\$ 11	\$ 2	0.1881	
2362 Other Terminal Equipment	\$ 19	\$ 3	0.1763	
2310 Total Information Orig/Term	\$ 30	\$ 5	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 59	\$ 2	0.0413	
2421 Aerial Cable	\$ 276	\$ 17	0.0629	0.0629 0.0196 0.0389Alternative fiber cable maintenance factors
2422 Underground Cable	\$ 176	\$ 3	0.0196	
2423 Buried Cable	\$ 488	\$ 19	0.0389	
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 100	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 1,099	\$ 43	0.0388	
240 Total TPIS (before amortizable assets)	\$ 1,985	\$ 129	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 1,985	0.0003	
6531 Power Expenses	\$ 4	\$ 1,985	0.0019	8.10% all
6532 Network Administration	\$ 9	\$ 1,985	0.0048	20.47% switching, interoffice
6533 Testing	\$ 10	\$ 1,985	0.0050	21.22% all
6534 Plant Operations Administration	\$ 15	\$ 1,985	0.0074	31.89% all
6535 Engineering	\$ 8	\$ 1,985	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 46	\$ 1,985	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	total lines (from net. invest. inputs)
6112 Motor Vehicles	\$ 1			1,184
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 1	\$ 1,099	0.0011	\$ 39.11
				annual net ops per line

Customer Operations Expenses

	Expenses		Net Revenues		Factor			
6611 Product Management *	\$	7	\$	0.4638	\$	396	0.0166	
6612 Sales *	\$	12	\$	0.8522	\$	396	0.0306	
6613 Product Advertising	\$	4			\$	396	0.0110	
6610 Total Marketing Expenses	\$	23					0.0582	
6621 Call Completion Service	\$	5			\$	396	0.0131	
6622 Number Services	\$	13	\$	0.8863	\$	396	0.0318	
6623 Customer Services	\$	41	\$	2.9168	\$	396	0.1046	
6620 Total Services Expenses	\$	59	\$	4.23			0.1495	
Billing/bill inquiry (per line/month)	\$	2.30						
Directory listing (per line/month)		-						
700 Total Customer Operations Expenses	\$	82.30			\$	396	0.2078	0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	3	\$	396	0.0079	
6712 Planning	\$	2	\$	396	0.0039	
6710 Total Executive & Planning	\$	5	\$	396	0.0117	
6721 Accounting & Finance	\$	9	\$	396	0.0237	
6722 External Relations	\$	6	\$	396	0.0144	
6723 Human Resources	\$	7	\$	396	0.0171	
6724 Information Management	\$	26	\$	396	0.0653	
6725 Legal	\$	2	\$	396	0.0055	
6726 Procurement	\$	1	\$	396	0.0030	
6727 Research & Development	\$	2	\$	396	0.0038	
6728 Other General & Administrative	\$	22	\$	396	0.0554	
6720 Total General & Administrative	\$	74	\$	396	0.1880	
710 Total Corporate Operations Expense	\$	79	\$	396	0.1040	0.2347
720 Total Operating Expenses	\$	337				47.89% Total Operations General Support Allocator
note: does not include dep/amort						45.55% "Office Worker" General Support Allocator

Misc Expenses Calculation	2122 Furniture	2123 Office Equipment	2124 GP Computer	2112 Motor Vehicles	2121 Buildings	2115 Garage Work Equipment	2116 Other Work Equipment
Investment	\$ 10	\$ 25	\$ 39	\$ 26	\$ 75	\$ 1	\$ 20
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 1	\$ 3	\$ 25	\$ 1	\$ 8	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 4,465	\$ 4,465	\$ 4,465	\$ 4,465	\$ 4,465	\$ 4,465	\$ 4,465
Calculated Investment	\$ 22	\$ 57	\$ 87	\$ 58	\$ 169	\$ 2	\$ 45
Calculated Expense	\$ 3	\$ 6	\$ 56	\$ 2	\$ 19	\$ 0	\$ 1
Subtotal (\$s)	\$ 37,667						
Total Misc Expense	\$ 37,667						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	7	\$	(38)	
7240 Operating Other Taxes	\$	31	\$	(38)	0.0500
5300 Uncollectible Revenues	\$	12	\$	396	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	1,985			
Net Plant	\$	1,985			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 50	8.26%
5082 Switched Access	\$ 112	18.49%
5083 Special Access	\$ 21	3.40%
Total Inter Access	\$ 183	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	\$ 183	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	\$ 80	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 3	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 7	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 1	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 90	14.81%

Basic Local Service		
5001 Basic Area	\$ 245	40.21%
5002 Optional Extended Area	\$ 7	1.23%
5003 Cellular Mobile	\$ 6	0.95%
5004 Other Mobile Svcs	\$ 0	0.08%
Total Basic Local Service	\$ 258	42.47%
Public Telephone Revenue		
5010 Local Public Msgs	\$ -	0.00%
Universal Public Phone	\$ -	0.00%
Public Exchange - IX Carrier	\$ -	0.00%
Credit Card Coinless	\$ -	0.00%
Public Exchange - CPE	\$ -	0.00%
Semi-Public Msgs	\$ -	0.00%
Other Public Phone Revenue	\$ -	0.00%
Total Public Phone Revenue	\$ 7	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 9	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 1	0.10%
Other Local Exchange Revenue		
5060 Central Office Features	\$ -	0.00%
Information Transport	\$ -	0.00%
Directory Assistance	\$ -	0.00%
Intercept Services	\$ -	0.00%
Other Loc Exchg	\$ -	0.00%
Total Other	\$ 60	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 335	55.04%
Total Revenue	\$ 608	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\HMWKMO4219351.XLS
Distribution Module Name: C:\Program Files\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\Program Files\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\Program Files\HM50\MODULES\R50a_switching_io-Dt-HRInd-TransForm-Fiber-Sharing.xls
Expense Module Name: C:\Program Files\HM50\MODULES\R50a_expense_density.xls

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

HAI Model Release 5.0a
User Adjustable Inputs

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

HAI Model Release 5.0a

User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Constant EO Switching Investment Term, small ICO	520.14	520.14	Cost of Debt	0.088	0.088
Constant EO Switching Investment Term, BOC and large ICO	242.73	242.73	Debt Fraction	0.442	0.442
Switch Capacity Real-Time (BHCA) - 1	10,000	10,000	Cost of Equity	0.132	0.132
Switch Capacity Real-Time (BHCA) - 2	50,000	50,000	Average Trunk Utilization	0.300	0.300
Switch Capacity Real-Time (BHCA) - 3	200,000	200,000	Tax Rate	0.393	0.393
Switch Capacity Real-Time (BHCA) - 4	600,000	600,000	Corporate Overhead Factor	0.104	0.104
Switch Capacity Traffic (BHCCS) - 1	30,000	30,000	Other Taxes Factor	0.050	0.050
Switch Capacity Traffic (BHCCS) - 2	150,000	150,000	Billing/Bill Inquiry per line per month	2.300	2.300
Switch Capacity Traffic (BHCCS) - 3	600,000	600,000	Directory Listing per line per month	-	-
Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000	Forward-looking Network Operations Factor	1.000	1.000
Initial Switch Maximum Equipped Line Size	80,000	80,000	Alternative CO Switching Factor	0.048	0.048
Switch Port Administrative Fill	0.94	0.94	Alternative Circuit Equipment Factor	0.015	0.015
Switch Maximim Processor Occupancy	0.90	0.90	EO Traffic Sensitive Fraction	0.700	0.700
Processor Feature Loading Multiplier - normal	1.20	1.20	Monthly LNP cost, per line	0.250	0.250
Processor Feature Loading Multiplier - heavy business	2.00	2.00	Carrier to Carrier Customer Service, per line per ye	1.69	1.69
Processor Feature Loading Multiplier - business penetration threshold	0.30	0.30	NID Expense per line per year	1.00	1.00
MDF/Protector Investment per line	-	-	DS-0/DS-1 Terminal Factor	12.4	12.4
Analog Line Circuit Offset for DLC lines, per line	-	-	DS-1/DS-3 Terminal Factor	9.9	9.9
Switch Installation Multiplier	1.00	1.00	Average Lines per Business Location	4	4
Operator Traffic Fraction	0.02	0.02	Distribution Aerial Shring Fraction - 0	1.00	1.00
Total Interoffice Traffic Fraction	0.40	0.40	Distribution Aerial Shring Fraction - 5	1.00	1.00
Maximum Trunk Occupancy, CCS	27.50	27.50	Distribution Aerial Shring Fraction - 100	1.00	1.00
Trunk Port, per end	100.00	100.00	Distribution Aerial Shring Fraction - 200	0.50	0.50
Entrance Facility Distance, miles	0.50	0.50	Distribution Aerial Shring Fraction - 650	0.50	0.50
Direct-routed Fraction of Local Interoffice	0.98	0.98	Distribution Aerial Shring Fraction - 850	0.50	0.50
POPs per Tandem Location	5.00	5.00	Distribution Aerial Shring Fraction - 2550	0.50	0.50
Tandem-routed Fraction of Total IntraLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 5000	0.50	0.50
Tandem-routed Fraction of Total InterLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 10000	0.50	0.50
Local Call Attempts	3,052	3,052	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	182	182	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	183	183	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	391	391	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	13,473	13,473	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	2,876	2,876	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	2,840	2,840	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	Default Scenario	Expense Input	Current Scenario	Default Scenario
	Value	Value		Value	Value