

Data		
Sum of lines	Sum of [	Sum of DS-1 count
-	-	-
-	-	-

Data	Total
Sum of Distribution Unit Cost	#N/A
Sum of NID Unit Cost	#N/A
Sum of Concentrator Unit Cost	#N/A
Sum of Feeder Unit Cost	#N/A
Sum of EO Switching Line Port Unit Cost	#N/A
Sum of EO Switching Usage Unit Cost	#N/A
Sum of Signaling STP Unit Cost	#N/A
Sum of Signaling SCP Unit Cost	#N/A
Sum of Signaling Links Unit Cost	#N/A
Sum of Dedicated Transport Unit Cost per DS0/mo	#N/A
Sum of Dedicated Transport Unit Cost per min	#N/A
Sum of Dedicated Transmission Unit Cost per DS0/mo	#N/A
Sum of Dedicated Transmission Unit Cost per min	#N/A
Sum of Direct Transport Unit Cost per minute	#N/A
Sum of Direct Transmisssion Unit Cost	#N/A
Sum of Common Transport Unit Cost per minute per leg	#N/A
Sum of Common Transmission Unit Cost per minute	#N/A
Sum of Tandem Switching Unit Cost	#N/A
Sum of DS-3 Distribution Unit Cost	#N/A
Sum of DS-3 Feeder Unit Cost	#N/A
Sum of DS-1 Concentrator Unit Cost	#N/A
Sum of DS-1 Feeder Unit Cost	#N/A
Sum of DS-1 Distribution Unit Cost	#N/A
Sum of ADSL Unit Cost	#N/A
Sum of Distribution Unit Cost	#DIV/0!
Sum of NID Unit Cost	#DIV/0!
Sum of Concentrator Unit Cost	#DIV/0!
Sum of Feeder Unit Cost	#DIV/0!
Sum of EO Switching Line Port Unit Cost	#DIV/0!
Sum of EO Switching Usage Unit Cost	#DIV/0!
Sum of Signaling STP Unit Cost	#DIV/0!

**Notes on the**  
The tables c  
is opened, f  
if you make  
"WC Weigh  
errors in the  
first table by  
Data" from t  
the workshe  
table.

This sheet c  
information

Sum of Signaling SCP Unit Cost	#DIV/0!
Sum of Signaling Links Unit Cost	#DIV/0!
Sum of Dedicated Transport Unit Cost per DS0/mo	#DIV/0!
Sum of Dedicated Transport Unit Cost per min	#DIV/0!
Sum of Dedicated Transmission Unit Cost per DS0/mo	#DIV/0!
Sum of Dedicated Transmission Unit Cost per min	#DIV/0!
Sum of Direct Transport Unit Cost per minute	#DIV/0!
Sum of Direct Transmisssion Unit Cost	#DIV/0!
Sum of Common Transport Unit Cost per minute per leg	#DIV/0!
Sum of Common Transmission Unit Cost per minute	#DIV/0!
Sum of Tandem Switching Unit Cost	#DIV/0!
Sum of DS-3 Distribution Unit Cost	#DIV/0!
Sum of DS-3 Feeder Unit Cost	#DIV/0!
Sum of DS-1 Concentrator Unit Cost	#DIV/0!
Sum of DS-1 Feeder Unit Cost	#DIV/0!
Sum of DS-1 Distribution Unit Cost	#DIV/0!
Sum of ADSL Unit Cost	#DIV/0!

### Cost Breakpoints

\$ -	1	<i>This zone should be set to zero.</i>
\$ 3.00	2	
\$ 8.00	3	
\$ 15.00	4	
\$ 25.00	5	
\$ 40.00	6	

#### **his worksheet:**

on this sheet are set to refresh when the workbook  
however, you may need to re-refresh the data  
manual changes to zone designations on the  
ts" worksheet or if you see "#NA" or "#DIV/0"  
tables. To refresh the data, select first the  
/ clicking in its header, then select "Refresh  
the "Data" menu above. Press F9 to recalculate  
set, then repeat the refresh operation with the second

currently is configured for Verizon - Washington DO NOT rely on  
on this sheet if data for other states are used with this module.



clli	manual zone code	wc zone code	lines	line weighting factor	Distribution Unit Cost	NID Unit Cost
0		#DIV/0!	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!
0		1	-	#DIV/0!	#DIV/0!	#DIV/0!

0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!
0	1	-	#DIV/0!	#DIV/0!	#DIV/0!















DS-1 Concentrator Unit Cost	DS-1 Feeder Unit Cost	DS-1 Distribution Unit Cost	DS-1 Unit Cost	ADSL Unit Cost	DS-3 count	DS-1 count
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0
0	0	0	0	#DIV/0!	0	0









Investment Input

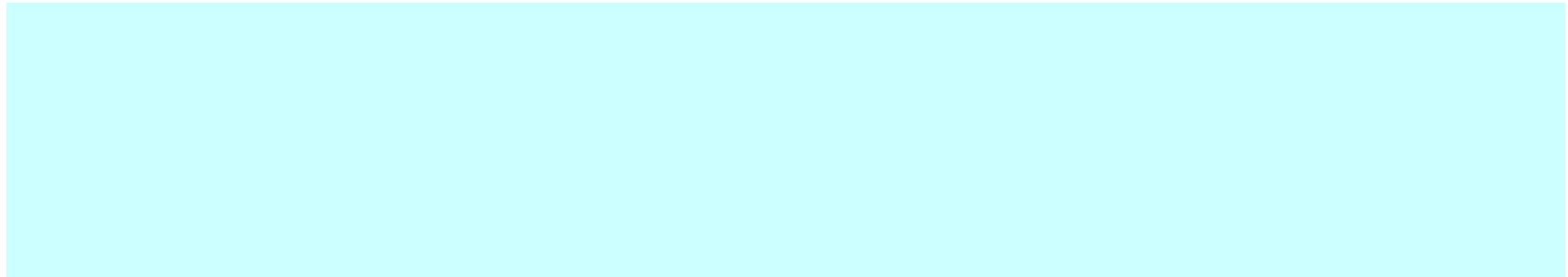
**HAI Model Release 5.3 - Expense Module**  
**Wire Center Investment Inputs**

0

0

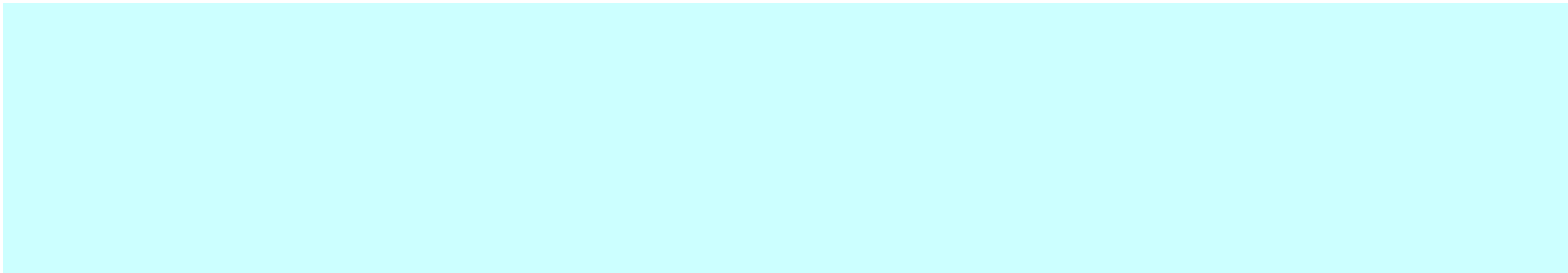
cli	total lines	business lines	residential lines	special access lines	public lines	single line business lines	households	copper feeder cable u/g	copper feeder cable buried
-----	-------------	----------------	-------------------	----------------------	--------------	----------------------------	------------	-------------------------	----------------------------

# Investment Input



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
-------------------------------	---------------------------	------------------------------	------------------------------	-------------------	--------------------	--------------------------------	-------------------------------	--------------------------------------

# Investment Input




---

fiber feeder buried placement	feeder pole inv	distribution cable underground	distribution cable buried	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles
-------------------------------------	--------------------	--------------------------------------	------------------------------	------------------------------	-------------------------	--------------------------------------	-------------------------------------	-----------------------

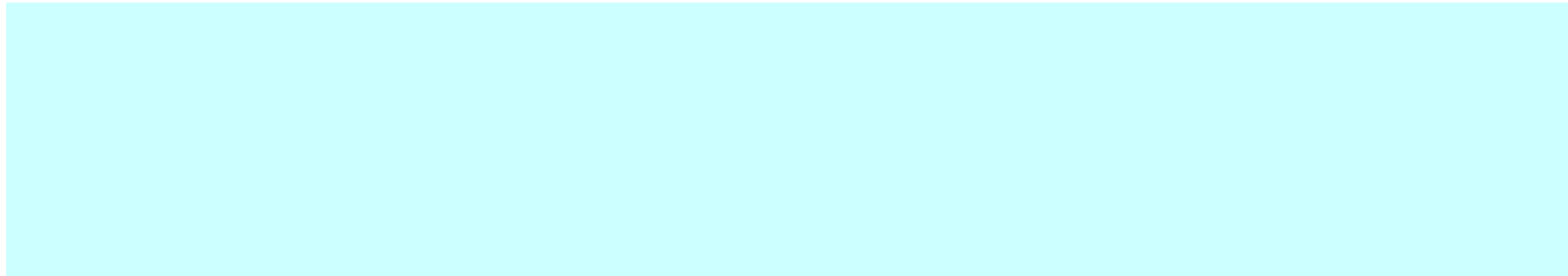
---

# Investment Input



calc copper feeder fill	calc distribution fill	calc "mainframe fill"	DLC inv w/site	SAI inv	terminal inv	drop inv	NID inv	feeder distance	total distribution distance
----------------------------	---------------------------	-----------------------------	----------------	---------	--------------	----------	---------	--------------------	-----------------------------------

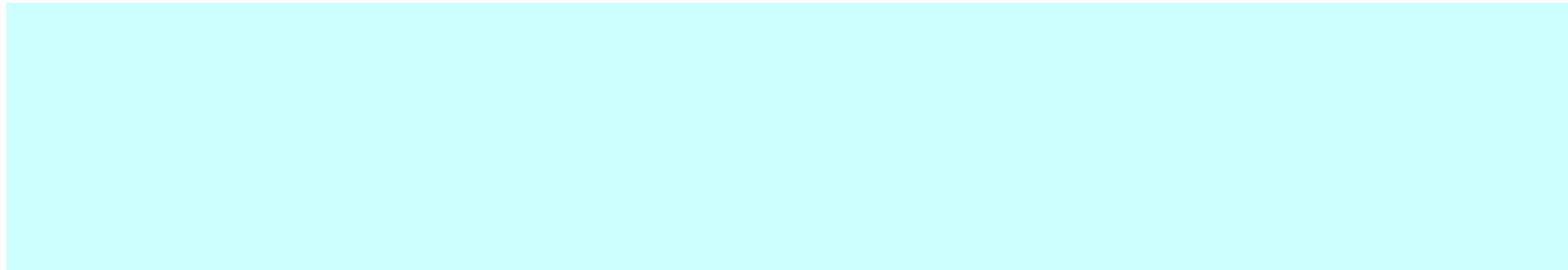
# Investment Input



---

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
-----------	----------------------	-------------------	------------------------	------	------------------------	--------------------------	---------------------	-----------------------	-----------

# Investment Input



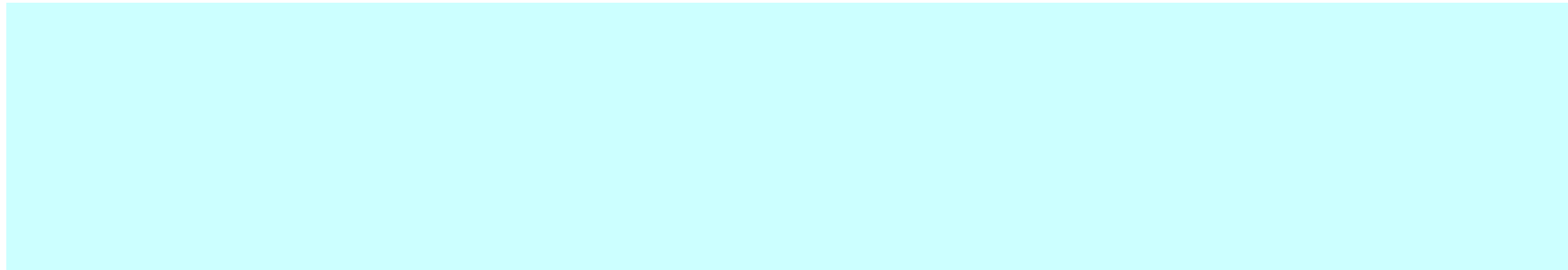
---

operator position	common transport, u/g	common transport, buried	common transport, aerial	common transport, poles	common transport, conduit	common transport, manholes	common transmission terminal inv	direct transport, u/g	direct transport, buried
----------------------	--------------------------	--------------------------------	--------------------------------	-------------------------------	---------------------------------	----------------------------------	--	--------------------------	--------------------------------

---



# Investment Input

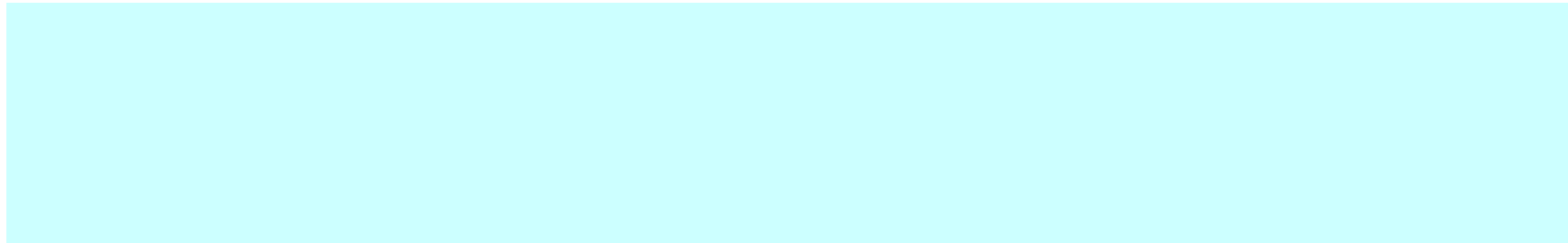


---

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
--------------------------------	-------------------------------	---------------------------------	----------------------------------	--	-----------------------------	-----------------------------------	-----------------------------------	----------------------------------	------------------------------------

---

# Investment Input



---

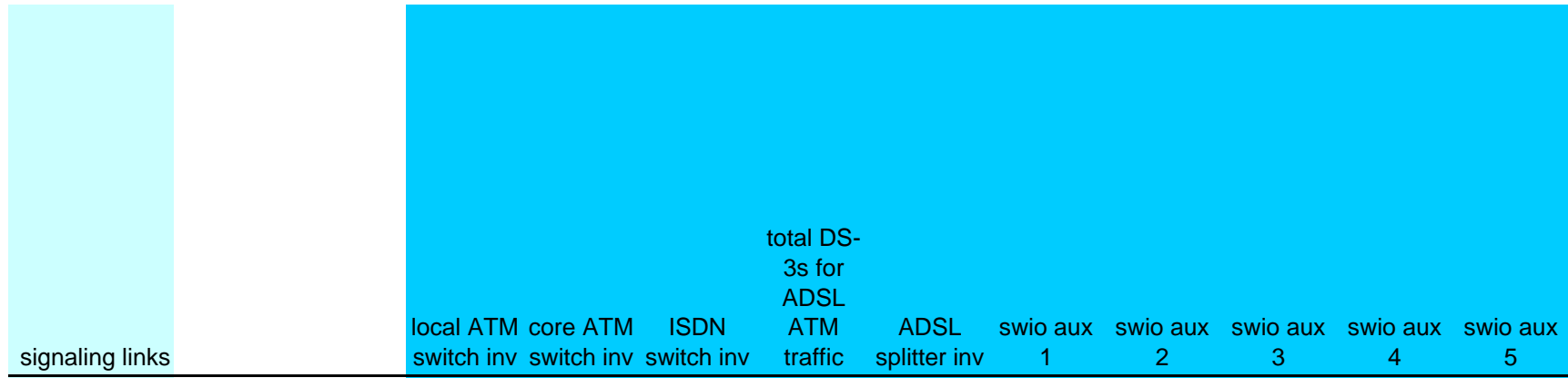
dedicated transport, manholes	dedicated transmission terminal inv	prop local direct trunks	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access direct trunks	prop access tandem trunks	prop operator trunks	SCP inv
-------------------------------------	---	-----------------------------	--------------------------------	------------------------------------	---------------------------------------	------------------------------	---------------------------------	----------------------------	---------

---

# Investment Input

SCP wire center inv	STP inv	signaling link inv	total public telephone inv	wtd avg sharing fraction -- distribution aerial	wtd avg sharing fraction -- distribution buried	wtd avg sharing fraction -- distribution underground	wtd avg sharing fraction -- feeder aerial	wtd avg sharing fraction -- feeder buried	wtd avg sharing fraction -- feeder underground
------------------------	---------	-----------------------	-------------------------------	---	---	--	--	--	--

# Investment Input



Investment Input

	total DS-3 underground	total DS-3 distribution buried	total DS-3 distribution aerial	DS-3 distribution conduit	DS-3 distribution conduit	DS-3 distribution buried	DS-3 distribution pole	DS-3 distribution pullbox	total DS-3s					
DS-3 equipment investment	distribution fiber cable investment	distribution buried fiber cable investment	distribution aerial fiber cable investment	distribution conduit placement	distribution conduit investment	distribution buried placement	distribution pole investment	distribution pullbox investment		Dedicated ADSL lines	ISDN lines	individual nonswitched services	DS-1 SAI Inv	

Investment Input

RT upgrade investment - ADSL	ADSL channel unit investment	total DS-3 feeder underground cable investment	total DS-3 feeder buried fiber cable investment	total DS-3 feeder aerial fiber cable investment	DS-3 feeder conduit placement	DS-3 feeder conduit investment	DS-3 feeder buried placement	DS-3 feeder pole investment	DS-3 feeder manhole/pullbox investment	DS-1 nonswitched services	DS-1 switched services	DS-1 DLC common equipment inv	DS-1 channel unit inv
------------------------------	------------------------------	--	---	---	-------------------------------	--------------------------------	------------------------------	-----------------------------	--	---------------------------	------------------------	-------------------------------	-----------------------

Investment Input

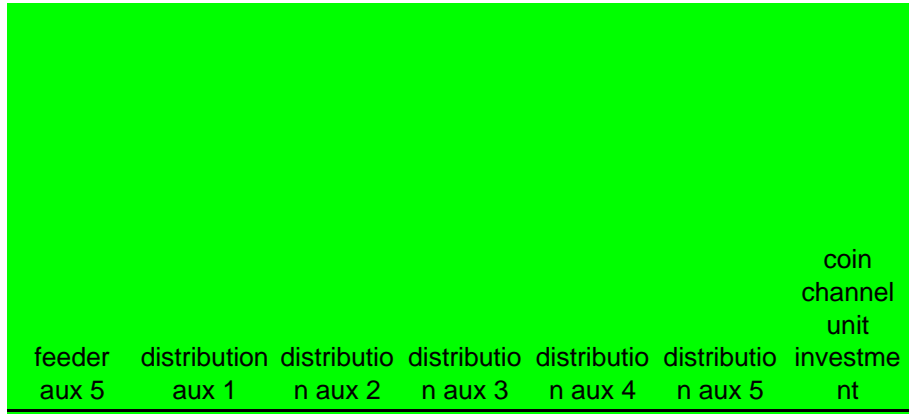
										DS-1	DS-1		
		DS-1	DS-1	DS-1	DS-1	DS-1	DS-1	DS-1	DS-1	copper	fiber	DS-1	
DS-1		undergro	buried	aerial	undergro	buried	aerial	copper	DS-1 fiber	feeder	feeder	feeder	
equipmen		und	copper	copper	und fiber	fiber	fiber	feeder	feeder	undergro	undergro	manhole/	
t inv		copper	feeder	feeder	feeder	feeder	feeder	buried	buried	und	und	pullbox	DS-
copper	DS-1	feeder	feeder	feeder	feeder	feeder	feeder	placemen	placemen	placemen	placemen	inv	1feeder
feeder	NID inv	cable inv	cable inv	cable inv	cable inv	cable inv	cable inv	t inv	t inv	t inv	t inv		pole inv

# Investment Input

DS-1 feeder conduit inv	DS-1 aerial dist cable inv	DS-1 buried dist cable inv	DS-1 undergro und dist cable inv	DS-1 dist pole inv	DS-1 dist buried placemen t inv	DS-1 dist undergro und placemen t inv	DS-1 dist conduit inv	ISDN channel unit investme nt	ADSL shared lines	feeder aux 1	feeder aux 2	feeder aux 3	feeder aux 4	



Investment Input



						coin channel unit
feeder aux 5	distribution aux 1	distributio n aux 2	distributio n aux 3	distributio n aux 4	distributio n aux 5	investme nt

Unit Cost

<b>HAI Model Release 5.3 - Expense Module</b>								0	0
<b>Wire Center Calculations and Outputs</b>									
cli	total lines (w/ DSL, ISDN, other non- switched)	business lines	residential lines	special access lines	public lines	single line business lines	households	total residential annual DEMs	total business annual DEMs
0	-	-	-	-	-	-	-	0	0

Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost

Total Investment	Total DEMs	total trunks	Distribution Cable u/g Cap Cost	Distribution Cable u/g Net Exp	Distribution Cable Buried Cap Cost	Distribution Cable Buried Net Exp	Distribution Cable Aerial Cap Cost	Distribution Cable Aerial Net Exp
\$ -	-	-	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -



Unit Cost



Unit Cost



Unit Cost



Unit Cost



Unit Cost

|

Unit Cost

Distribution Direct Cost									
Distribution Conduit Cap Cost	Distribution Conduit Net Exp	Distribution Conduit Trenching Cap Cost	Distribution Conduit Trenching Net Exp	Distribution Poles Cap Cost	Distribution Poles Net Exp	Drop Cap Cost	Drop Net Exp	NID Cap Cost	
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	0	#DIV/0!	

Unit Cost

Unit Cost



Unit Cost

Unit Cost

Unit Cost

Unit Cost

						Concentrator Direct			
NID Net Exp	Terminal Cap Cost	Terminal Net Exp	Distribution Buried Trenching Cap Cost	Distribution Buried Trenching Net Exp	Distribution Direct Cost	Digital Terminal Cap Cost	Digital Terminal Net Exp	Passive SAI Cap Cost	
\$ -	#DIV/0!	0	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	

Unit Cost

The image shows three vertical lines that serve as column dividers for a table. These lines are positioned in the right half of the page, extending from the top margin to the bottom margin. They are evenly spaced and do not contain any data or text.

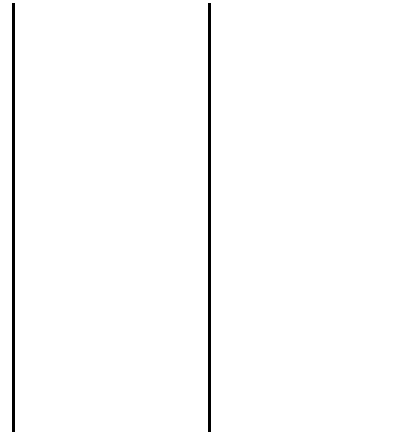
Unit Cost

The image shows three vertical lines that serve as column dividers for a table. These lines are positioned in the right half of the page, extending from the top margin to the bottom margin. No data or text is present within these columns.

Unit Cost

The image shows three vertical lines that serve as column dividers for a table. These lines are positioned in the right half of the page, extending from the top margin to the bottom margin. They are evenly spaced and do not contain any data or text.

Unit Cost





Unit Cost

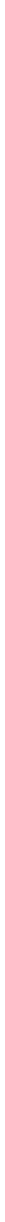
Unit Cost

Cost		Feeder D									
Passive SAI Net Exp	Concentrator Direct Cost	Feeder Poles Cap Cost	Feeder Poles Net Exp	Feeder Aerial Cable Net Exp	Feeder Cu Aerial Cable Cap Cost	Feeder Fiber Aerial Cable Cap Cost	Feeder Buried Cable Net Exp	Feeder Cu Buried Cable Cap Cost	Feeder Fiber Cable Buried Cap Cost		
#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		

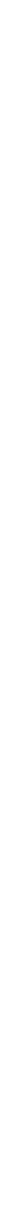
Unit Cost



Unit Cost



Unit Cost



Unit Cost



Unit Cost

Unit Cost

Direct Cost									
Feeder U/G Cable Net Exp	Feeder Cu U/G Cable Cap Cost	Feeder Fiber U/G Cable Cap Cost	Feeder Conduit Cap Cost	Feeder Conduit Net Exp	Feeder Manhole Cap Cost	Feeder Manhole Net Exp	Feeder Direct Cost	EO Wire Center Cap Cost	EO Wire Center Net Exp
\$ -	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -



Unit Cost

Unit Cost

Unit Cost

Unit Cost

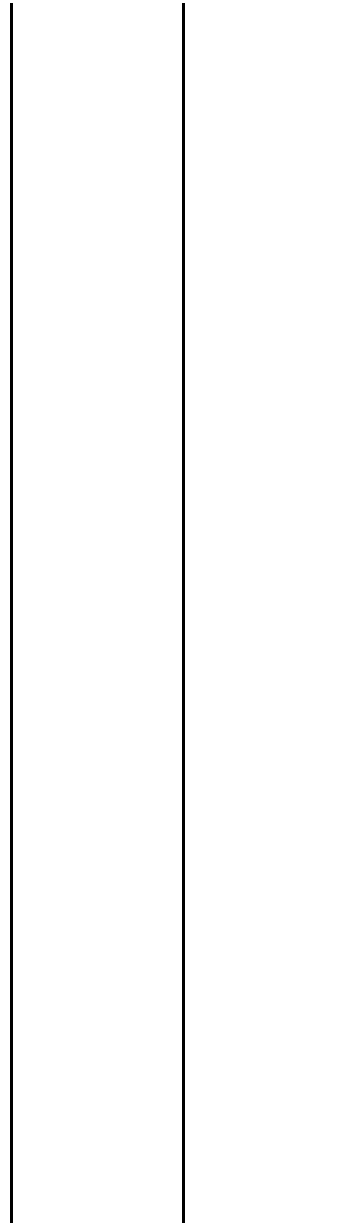


Unit Cost

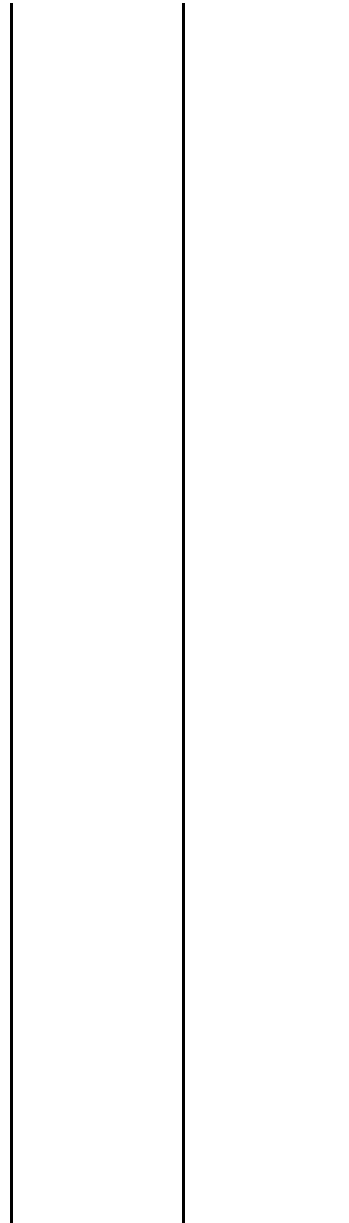
Unit Cost

EO Switching Direct Cost					Signaling Direct Cost				
EO Switching Cap Cost	EO Switching Net Exp	EO MDF/Prot Cap Cost	EO MDF/Prot Net Exp	EO Switching Direct Cost	STP Cap Cost	STP Net Exp	Links Cap Cost	Links Net Exp	SCP Cap Cost
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	0	#DIV/0!

Unit Cost

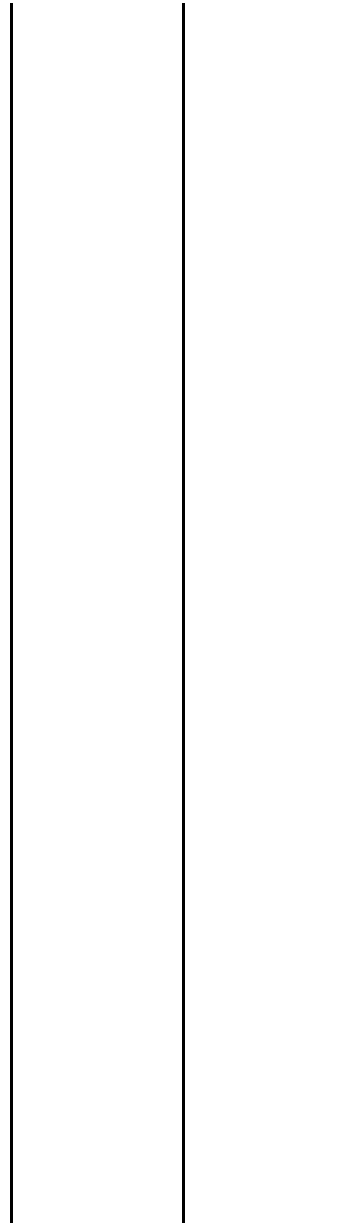


Unit Cost

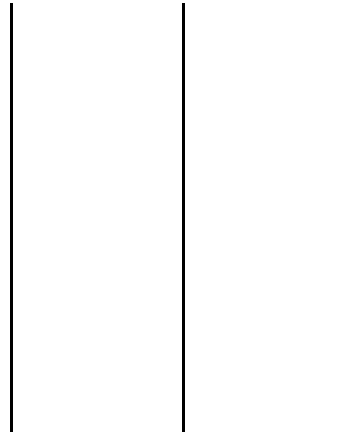




Unit Cost



Unit Cost



Unit Cost

Unit Cost

Cost											
SCP Net Exp	SCP Wire Center Cap Cost	SCP Wire Center Net Exp	Signaling Direct Cost	Ded Xport U/G Cap Cost	Ded Xport U/G Net Exp	Ded Xport Buried Cap Cost	Ded Xport Buried Net Exp	Ded Xport Aerial Cap Cost	Ded Xport Aerial Net Exp		
\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -		

Unit Cost

--	--	--	--	--	--

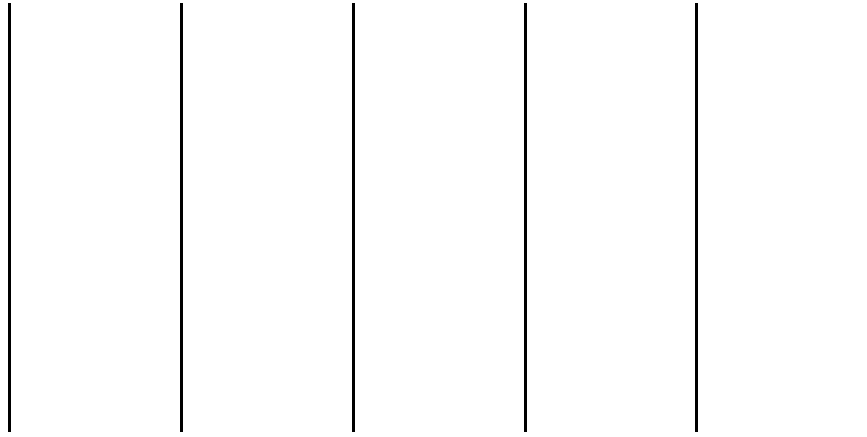
Unit Cost

--	--	--	--	--	--

Unit Cost

--	--	--	--	--	--

Unit Cost





Unit Cost

Unit Cost

Dedicated Transport Direct Cost									
Ded Xport Poles Cap Cost	Ded Xport Poles Net Exp	Ded Xport Conduit Cap Cost	Ded Xport Conduit Net Exp	Ded Xport Manholes Cap Cost	Ded Xport Manholes Net Exp	Ded Xport Xmission Cap Cost	Ded Xport Xmission Net Exp	Ded Xport Direct Cost	Direct Xport U/G Cap Cost
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!

Unit Cost

--	--	--	--	--	--	--	--

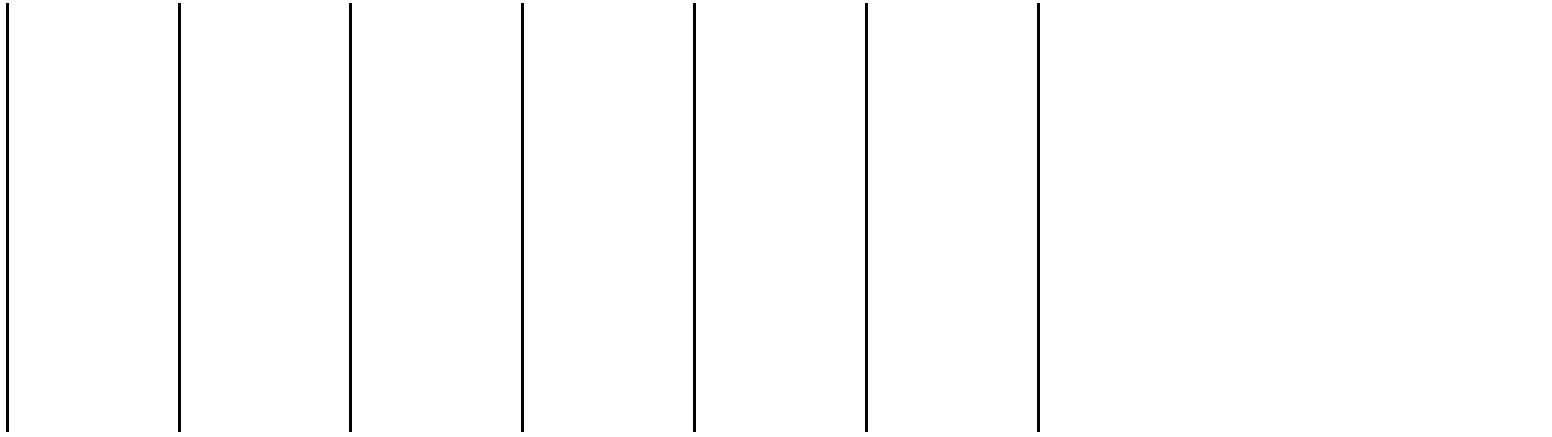
Unit Cost

--	--	--	--	--	--	--	--

Unit Cost

--	--	--	--	--	--	--	--	--

Unit Cost



Unit Cost

Unit Cost

Direct Transport Direct Cost										
Directg Xport U/G Net Exp	Direct Xport Buried Cap Cost	Direct Xport Buried Net Exp	Direct Xport Aerial Cap Cost	Direct Xport Aerial Net Exp	Direct Xport Poles Cap Cost	Direct Xport Poles Net Exp	Direct Xport Conduit Cap Cost	Direct Xport Conduit Net Exp	Direct Xport Manholes Cap Cost	
\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	



Unit Cost

--	--	--	--	--	--	--	--	--	--	--

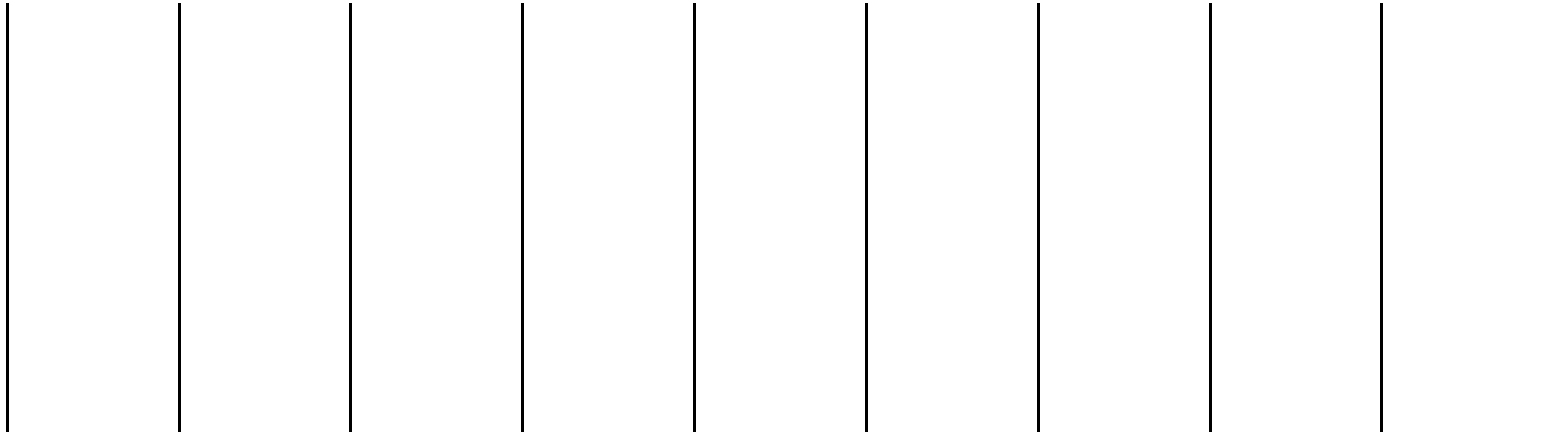
Unit Cost

--	--	--	--	--	--	--	--	--	--	--

Unit Cost

--	--	--	--	--	--	--	--	--	--	--

Unit Cost



Unit Cost

Unit Cost

Direct Xport Manholes Net Exp	Direct Xport Xmission Cap Cost	Direct Xport Xmission Net Exp	Direct Transport Direct Cost	Common Xport U/G Cap Cost	Common Xport U/G Net Exp	Common Xport Buried Cap Cost	Common Xport Buried Net Exp	Comm Xport Aerial Cap Cost	Comm Xport Aerial Net Exp
\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -

Unit Cost

--	--	--	--	--	--	--	--	--

Unit Cost

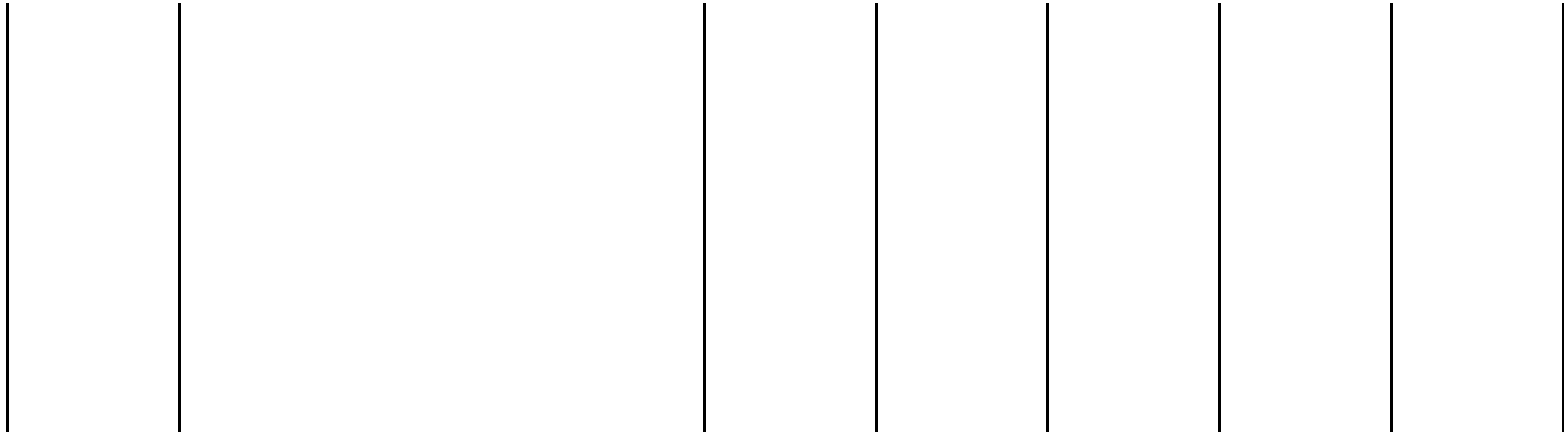
--	--	--	--	--	--	--	--	--



Unit Cost

--	--	--	--	--	--	--	--	--

Unit Cost



Unit Cost

Unit Cost

Common Xport Direct Cost									
Comm Xport Poles Cap Cost	Comm Xport Poles Net Exp	Comm Xport Conduit Cap Cost	Comm Xport Conduit Net Exp	Comm Xport Manholes Cap Cost	Comm Xport Manholes Net Exp	Comm Xport Xmission Cap Cost	Comm Xport Xmission Net Exp	Common Xport Direct Cost	Tandem Wire Center Cap Cost
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!

Unit Cost

--	--	--	--	--	--	--	--

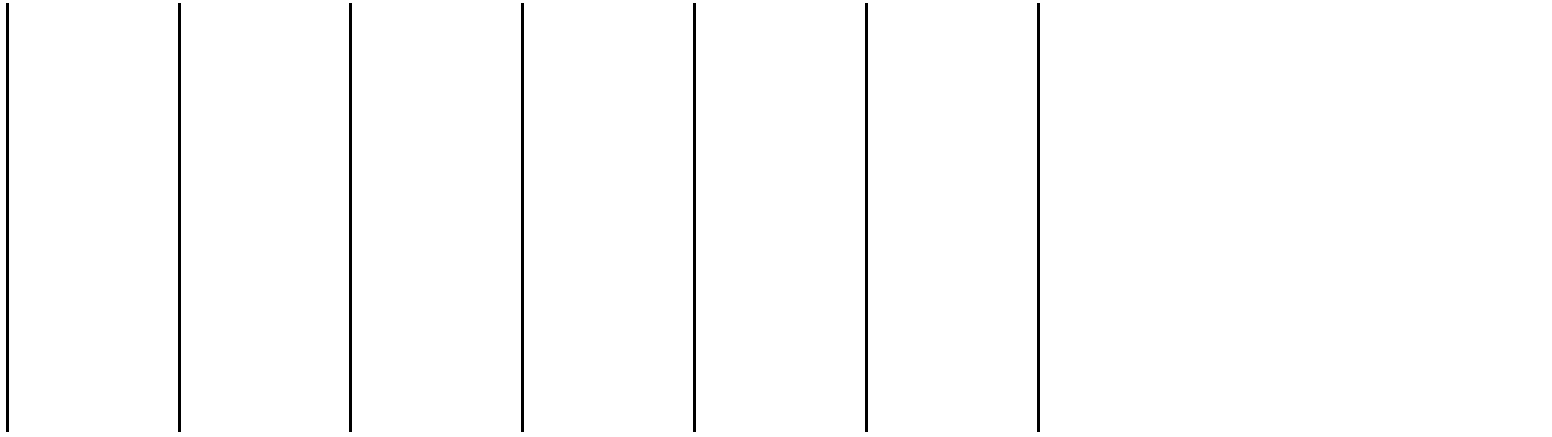
Unit Cost

--	--	--	--	--	--	--	--

Unit Cost

--	--	--	--	--	--	--	--

Unit Cost





Unit Cost

Unit Cost

Tandem Switching Direct Cost				Operat							
Tandem Wire Center Net Exp	Tandem Switching Cap Cost	Tandem Switching Net Exp	Tandem Switching Direct Cost	OS Tandem Switching Cap Cost	OS Tandem Switching Net Exp	OS Tandem Wire Center Cap Cost	OS Tandem Wire Center Net Exp	OS Trunks Cap Cost	OS Trunks Net Exp		
\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -		

Unit Cost



Unit Cost



Unit Cost



Unit Cost



Unit Cost

Unit Cost

or Direct Cost					ADSL Direct Costs				
OS Position Cap Cost	OS Position Net Exp	Operator Wages	Operator Direct Cost	Public Telephone Cap Cost	Public Telephone Net Exp	Public Telephone Direct Cost	ATM Switch Cap Cost	ATM Switch Net Exp	ADSL Cap Cost
#DIV/0!	\$ -	\$ -	#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!	\$ -	#DIV/0!



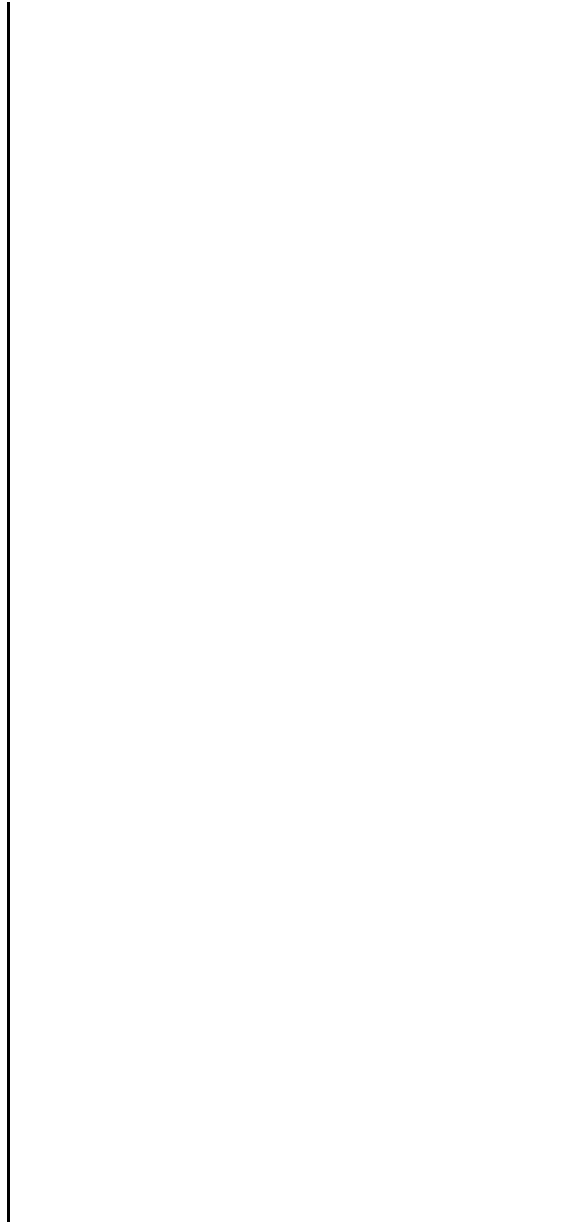
Unit Cost

Unit Cost	
-----------	--

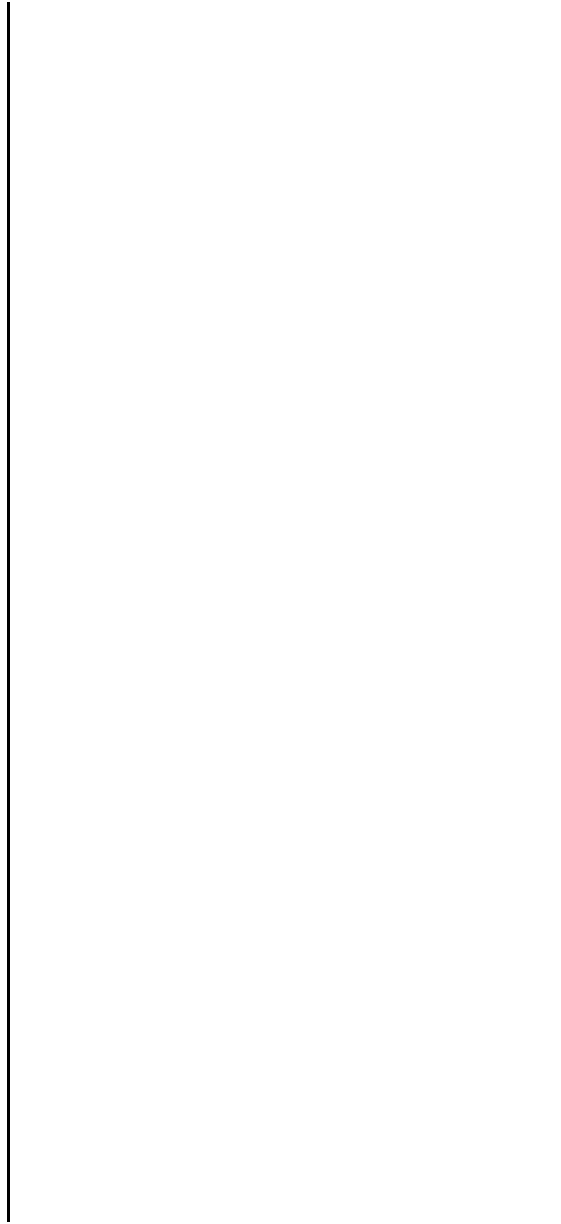
Unit Cost

The image shows a large empty rectangular box with vertical lines on the left and right sides, representing a table structure. The box is currently empty of data.

Unit Cost



Unit Cost



Two vertical lines are drawn, one on the left and one on the right, defining a column for the 'Unit Cost' header. The lines are parallel and extend from the top of the page to the bottom of the page.

Unit Cost

|

|

Unit Cost

		DS3 Distribution Dire								
ADSL Net Exp	ADSL Direct Cost	DS-3 equipment Cap Cost	DS-3 equipment Net Exp	DS-3 underground distribution fiber cable Cap Cost	DS-3 underground distribution fiber cable Net Exp	DS-3 distribution buried fiber Cap Cost	DS-3 distribution buried fiber Net Exp	DS-3 distribution aerial fiber Cap Cost	DS-3 distribution aerial fiber Net Exp	
\$ -	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	

Unit Cost



Unit Cost





Unit Cost



Unit Cost



Unit Cost

|

Unit Cost

Project Cost										
DS-3 distribution conduit Cap Cost	DS-3 distribution conduit Net Exp	DS-3 distribution pole Cap Cost	DS-3 distribution pole Net Exp	DS-3 distribution pullbox Cap Cost	DS-3 distribution pullbox Net Exp	Total DS-3 distribution Direct Cost	DS-3 feeder underground fiber Cap Cost	DS-3 feeder underground fiber Net Exp	DS-3 feeder buried fiber Cap Cost	
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	

Unit Cost

Unit Cost

Unit Cost

Unit Cost



Unit Cost



Unit Cost

DS3 Feeder Direct Cost												
DS-3 feeder buried fiber Net Exp	DS-3 feeder aerial fiber Cap Cost	DS-3 feeder aerial fiber Net Exp	DS-3 feeder conduit Cap Cost	DS-3 feeder conduit Net Exp	DS-3 feeder pole Cap Cost	DS-3 feeder pole Net Exp	DS-3 feeder manhole/pull box Cap Cost	DS-3 feeder manhole/pull box Net Exp	Total DS3 Feeder Direct Cost			
\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!			

Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost

DS-1 DLC common equipment Cap Cost	DS-1 DLC common equipment Net Exp	DS-1 channel unit Cap Cost	DS-1 channel unit Net Exp	DS-1 SAI Cap Cost	DS-1 SAI Net Exp	DS-1 equipment copper feeder Cap Cost	DS-1 equipment copper feeder Net Exp	Total DS-1 Concentrator Direct cost	DS-1 NID Cap Cost
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!



Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost



Unit Cost

DS-1 NID Net Exp	DS-1 underground copper feeder cable Cap Cost	DS-1 underground copper feeder cable Net Exp	DS-1 buried copper feeder Cap Cost	DS-1 buried copper feeder Net Exp	DS-1 aerial copper feeder Cap Cost	DS-1 aerial copper feeder Net Exp	DS-1 underground fiber feeder Cap Cost	DS-1 underground fiber feeder Net Exp	DS-1 buried fiber feeder cable Cap Cost
\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!

Unit Cost

Unit Cost



Unit Cost

Unit Cost

Unit Cost

Unit Cost

DS-1 buried fiber feeder cable Net Exp	DS-1 aerial fiber feeder cable Cap Cost	DS-1 aerial fiber feeder cable Net Exp	DS-1 Cu feeder buried placement Cap Cost	DS-1 Cu feeder buried placement Net Exp	DS-1 fiber feeder buried placement Cap Cost	DS-1 fiber feeder buried placement Net Exp	DS-1 Cu feeder underground placement Cap Cost	DS-1 Cu feeder underground placement Net Exp	DS-1 fiber feeder underground placement Cap Cost
\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!

Unit Cost

Unit Cost

Unit Cost

Unit Cost



Unit Cost

Unit Cost

DS-1 fiber feeder											
underground placement Net Exp	DS-1 feeder manhole/pull box Cap Cost	DS-1 feeder manhole/pull box Net Exp	DS-1feeder poles Cap Cost	DS-1feeder poles Net Exp	DS-1 feeder conduit Cap Cost	DS-1 feeder conduit Net Exp	Total DS-1 Feeder Direct Cost	DS-1 aerial dist cable Cap Cost	DS-1 aerial dist cable Net Exp		
\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	\$ -		

Unit Cost



Unit Cost



Unit Cost



Unit Cost



Unit Cost



Unit Cost

DS-1 buried dist cable Cap Cost	DS-1 buried dist cable Net Exp	DS-1 underground dist cable Cap Cost	DS-1 underground dist cable Net Exp	DS-1 dist pole Cap Cost	DS-1 dist pole Net Exp	DS-1 dist buried placement Cap Cost	DS-1 dist buried placement Net Exp	DS-1 dist underground placement Cap Cost	DS-1 dist underground placement Net Exp
#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -	#DIV/0!	\$ -



Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost

Unit Cost

			Allocation Factors						
			Total Non-Shared Investment	Total Shared Investment	Total Investment	% Investment	% Total Lines		
DS-1 dist conduit Cap Cost	DS-1 dist conduit Net Exp	Total DS-1 Distribution Direct Cost							
#DIV/0!	\$ -	#DIV/0!	\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!		

Unit Cost



Unit Cost





Unit Cost



Unit Cost



Unit Cost



Unit Cost

		General Support Assigned Investment					
Total Direct Expense	% Direct Expense	Furniture Investment	Office Equipment Investment	Gen Purpose Computers Investment	Motor Vehicles Investment	Buildings Investment	Garage Work Eqpt Investment
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Unit Cost

--	--	--	--	--	--

Unit Cost

--	--	--	--	--	--

Unit Cost

The image shows a table structure with 6 columns and 1 header row. The header row is labeled "Unit Cost". The table is currently empty, with no data rows visible.

Unit Cost					
-----------	--	--	--	--	--

Unit Cost

The image shows a table with six columns and one header row. The header row is labeled 'Unit Cost'. The table is currently empty, with no data rows visible.

Unit Cost					
-----------	--	--	--	--	--



Unit Cost

|| || || || || ||

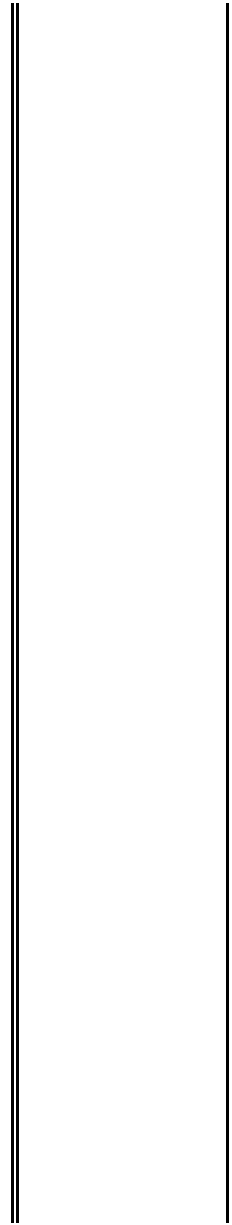
Unit Cost

Capital Cost General Support								
Other Work Eqpt Investment	Furniture Cap Cost	Office Eqpt Cap Cost	Gen Purpose Computers Cap Cost	Motor Vehicles Cap Cost	Buildings Cap Cost	Garage Work Eqpt Cap Cost	Other Work Eqpt Cap Cost	General Support Cap Cost
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

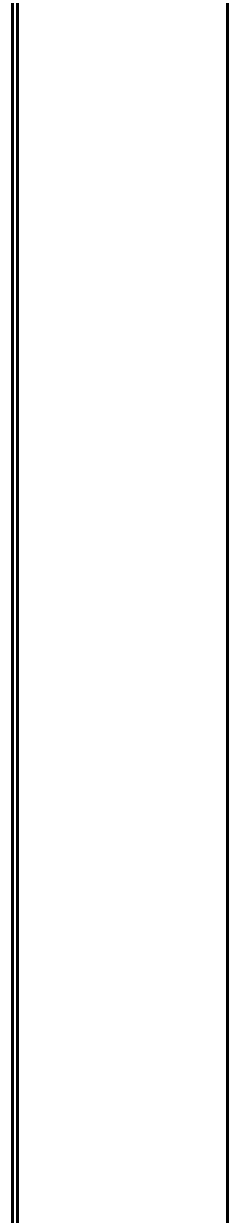
Unit Cost

The image shows a table structure with two vertical lines. The left line is a double line, and the right line is a single line. The table is currently empty.

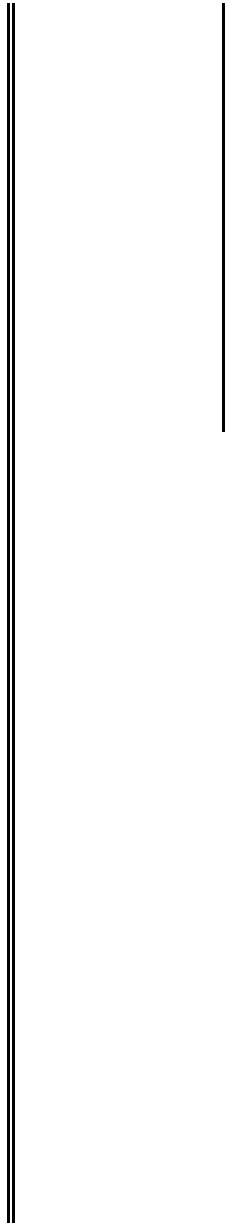
Unit Cost



Unit Cost



Unit Cost



Unit Cost

||

Unit Cost

Other Expenses								
Network Operations Expense	Network Support Expense	Misc Expense	Operating Taxes	Total Support & Other Expense	Interoffice/ Switching NetOps	Interoffice/ Switching Direct Expense	Carrier-to-Carrier Customer Service	Inverse Carrier-to-Carrier Expense Factor
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!



Unit Cost

Unit Cost

Unit Cost

Unit Cost



Unit Cost

Unit Cost

Total Net Exp  
#DIV/0!

Unit Cost

Unit Cost



Unit Cost

Unit Cost

Unit Cost

Unit Cost 2

**HAI Model Release 5.3 - Expense Module  
Wire Center Calculations and Outputs**

cli	Distribution	NID Total	Concentrat	Feeder	EO	Signaling Total
	Total Cost	Cost	or Total Cost	Total Cost	Switching Total Cost	Cost
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2





Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2





Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2

Cost Totals																	
Dedicated Transport Total Cost		Dedicated Transmission Total Cost		Direct Transport Total Cost		Direct Transmission Total Cost		Common Transport Total Cost		Common Transmission Total Cost		Tandem Total Cost		Operator Total Cost		Public Total Cost	
\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Unit Cost 2

Unit Cost 2

Unit Cost 2



Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2



Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

ADSL Total Cost	DS-3 Distribution Total Cost		DS-3 Feeder Total Cost		DS-3 Total Cost		DS-1 Concentrator Total Cost		DS-1 Feeder Total Cost		DS-1 Distribution Total Cost		DS-1 Total Cost	Distribution Unit Cost
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!

Unit Cost 2

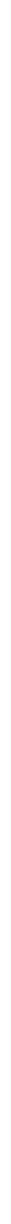


Unit Cost 2





Unit Cost 2



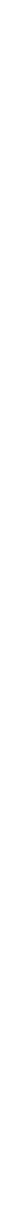
Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2

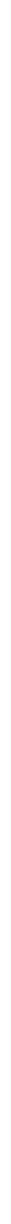


Unit Cost 2





Unit Cost 2



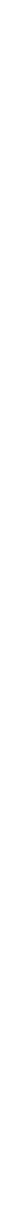
Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2

NID Unit Cost	Concentrator Unit Cost	Feeder Unit Cost	EO Switching Non-Usage Related Unit Cost	EO Switching Usage-Related Unit Cost	Signaling STP Unit Cost	Signaling SCP Unit Cost	Signaling Links Unit Cost	Dedicated Transport Unit Cost per DS0/mo	Dedicated Transport Unit Cost per min
#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Unit Cost 2



Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2



Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

UNE Unit Costs														DS-3 Distribution Unit Cost		
Dedicated Transmission Unit Cost per DS0/mo	Dedicated Transmission Unit Cost per min	Direct Transport Unit Cost per minute	Direct Transmisssion Unit Cost	Common Transport Unit Cost per minute per leg	Common Transmission Unit Cost per minute	Tandem Switching Unit Cost	Operator Total Cost/Line/Mo	Public Telephone Unit Cost								
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2



Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2

Unit Cost 2



Unit Cost 2

DS-3 Feeder Unit Cost							Loop										
Total DS-3 Unit Cost		DS-1 Concentrator Unit Cost		DS-1 Feeder Unit Cost		DS-1 Distribution Unit Cost		Total DS-1 Unit Cost		ADSL Unit Cost		Line Port					
\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2





Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2





Unit Cost 2



Unit Cost 2

USF Unit Costs										Additional Unit Cost
EO Usage	Signaling	Transport	Billing/Bill Inquiries	Directory Listing	LNP (when available)	Total Monthly Cost per Line	Total Switched Lines	Total Households		Total Switch Cost Per Switched Line Per Month
\$ -	#DIV/0!	\$ -	\$ -	\$ -	\$ -	#DIV/0!	-	-		#DIV/0!

Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2





Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2



Unit Cost 2





Unit Cost 2



Unit Cost 2





HAI Model Release FCC - Expense Module		0	0
Wire Center Level Summary			
cli	total lines		
	business lines		
	residential lines		
	special access lines		
	public lines		
	households		
	copper feeder cable vlg		
	copper feeder cable buried		
	copper feeder cable aerial		
	fiber feeder cable vlg		
	fiber feeder cable buried		
	fiber feeder cable aerial		
	total feeder conduit		
	total feeder manholes		
	copper feeder vlg placement		
	fiber feeder vlg placement		
	copper feeder buried placement		
	fiber feeder buried placement		
	feeder pole inv		
	distribution cable underground		
	distribution cable buried		
	distribution cable aerial		
	distribution conduit		
	distribution buried placement		
	distribution pole		
	calc copper feeder ft		
	calc distribution ft		
	calc transformer		
	DLC inv w/rtc		
	SAI inv		
	terminal inv		
	drop inv		
	NID inv		
	feeder distance		
	total distribution		
	DLC lines		
	end office switching		
	MDF/proctor inv		
	end office wire center		











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
<b>General Support - Loops</b>					
Furniture - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Furniture - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Office Equipment - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Office Equipment - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
General Purpose Computer - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
General Purpose Computer - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Motor Vehicles - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Motor Vehicles - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Buildings - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Buildings - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Garage Work Eqpt. - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Garage Work Eqpt. - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Other Work Eqpt. - Capital Costs	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Other Work Eqpt. - Expenses	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
Amortized Intangibles	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
<b>Total General Support</b>	#DIV/0!			#DIV/0!	#DIV/0!
<b>Network Operations</b>	#DIV/0!	100%	0%	#DIV/0!	#DIV/0!
<b>Other Taxes</b>	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
<b>Variable Overhead</b>	#DIV/0!	0%	100%	#DIV/0!	#DIV/0!
<b>Totals (less Net Ops)</b>	#DIV/0!			#DIV/0!	#DIV/0!

**Totals**

*Direct Costs*

Loop-related direct costs	#DIV/0!
Non-Loop-related direct costs	#DIV/0!
Total	#DIV/0!
Loop Fraction	#DIV/0!
 Network Operations	#DIV/0!

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
<b>General Support - Totals</b>			
Furniture - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
Furniture - Expenses	#DIV/0!	#DIV/0!	#DIV/0!
Office Equipment - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
Office Equipment - Expenses	#DIV/0!	#DIV/0!	#DIV/0!
General Purpose Computer - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
General Purpose Computer - Expenses	#DIV/0!	#DIV/0!	#DIV/0!

Assignment of Net Ops	Direct Cost	% of Loop Direct	Net Ops assgnd	
			per line	per direct
VG NID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
VG Dist	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
VG Conc	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
VG Feeder	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
DS-1 Conc	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
DS-1 Fdr	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Exp Assignment

Motor Vehicles - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
Motor Vehicles - Expenses	#DIV/0!	#DIV/0!	#DIV/0!
Buildings - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
Buildings - Expenses	#DIV/0!	#DIV/0!	#DIV/0!
Garage Work Eqpt. - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
Garage Work Eqpt. - Expenses	#DIV/0!	#DIV/0!	#DIV/0!
Other Work Eqpt. - Capital Costs	#DIV/0!	#DIV/0!	#DIV/0!
Other Work Eqpt. - Expenses	#DIV/0!	#DIV/0!	#DIV/0!
Amortized Intangibles	#DIV/0!	#DIV/0!	#DIV/0!
<b>Total General Support</b>	#DIV/0!	#DIV/0!	#DIV/0!
Network Operations	#DIV/0!	#DIV/0!	#DIV/0!
<b>Other Taxes Calculation</b>			
Total Direct Costs	#DIV/0!	#DIV/0!	#DIV/0!
Total Network Operations	#DIV/0!	#DIV/0!	#DIV/0!
Total General Support	#DIV/0!	#DIV/0!	#DIV/0!
<b>Total</b>	#DIV/0!	#DIV/0!	#DIV/0!
Other Taxes	#DIV/0!	#DIV/0!	#DIV/0!
Total Expenses and Other Taxes	#DIV/0!	#DIV/0!	#DIV/0!
<b>Variable Overhead Calculation</b>			
Variable Overhead	#DIV/0!	#DIV/0!	#DIV/0!
<b>Total Cost with Variable Overhead</b>	#DIV/0!	#DIV/0!	#DIV/0!

DS-1 Dist	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
DS-3 Dist	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
DS-3 Fdr	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>Total</b>	#DIV/0!			

UNE Expense Assignment

Totals

NID	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
Distribution	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
Concentrator	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
Feeder	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
DS-1 Concentrator	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
DS-1 Feeder	<i>per line cost</i>	#DIV/0!

Exp Assignment

	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
DS-1 Distribution		
	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
DS-3 Distribution		
	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!
DS-3 Feeder		
	<i>per line cost</i>	#DIV/0!
	<i>per direct cost</i>	#DIV/0!
	<i>total</i>	#DIV/0!



		GrUpROR #DIV/0!	DefTax: TRUE				Capital Annual Charge Factors (RegDeprec/TaxDeprec)				
Account	USOA Category	Economic Life	Net Salvage Percent	Adjusted Projection Life	Regulatory Deprec Method	IRS Deprec Category	SL/SL	SL/Accel	ELG/ELG	ELG/Accel	Selected KACF
2112	Motor Vehicles	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2115	Garage Work Equipment	0.00	0.00%	0.00	elg	3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2116	Other Work Equipment	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2121	Buildings	0.00	0.00%	0.00	elg	6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2122	Furniture	0.00	0.00%	0.00	elg	3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2123.1	Office Support Equipment	0.00	0.00%	0.00	elg	3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2123.2	Company Comm Equipment	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2124	Computers	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2212	Digital Switching	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2220	Operator Systems	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2232.2	Digital Circuit Equipment	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2351	Public Telephone	0.00	0.00%	0.00	elg	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	NID, SAI and Drop			0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2411	Poles	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2421-m	Aerial Cable - Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2421-nm	Aerial Cable - Non-Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2422-m	Underground - Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2422-nm	Underground - Non-Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2423-m	Buried - Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2423-nm	Buried - Non-Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2426-m	Intrabuilding - Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2426-nm	Intrabuilding - Non-Metallic	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2441	Conduit Systems	0.00	0.00%	0.00	elg	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

0.158367 0.156182

**CGS Curve Analysis**

<b>Account</b>	2112	2115	2116	2121	2122	2123	2123
		Garage Work	Other Work			Office Support	Company Comm
<b>USOA Category</b>	Motor Vehicles	Equipment	Equipment	Buildings	Furniture	Equipment	Equipment
<b>c</b>	1.26213880	1.02766470	0.00000000	1.49906820	1.01954060	1.02010290	1.26213880
<b>Ln g</b>	-0.03960009	-5.71031270	0.00000000	-0.00491005	-4.48721980	-8.97443950	-0.03960009
<b>Ln s</b>	0.00855372	0.14552408	-0.04344112	0.00177395	0.05859083	0.16316108	0.00855372
<b>h</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>Adj Proj Life</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Given Yr**

**Fraction of Original Plant Surviving Through Given Year**

1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
12	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
17	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
18	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
19	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
21	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
22	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
23	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
24	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
25	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
26	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
27	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
28	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
29	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
31	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
32	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
33	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
34	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
35	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
36	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
37	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
38	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
39	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
41	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!







63	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
64	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
65	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
66	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
67	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
68	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
69	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
70	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
71	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
72	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
73	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
74	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
75	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
76	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
77	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
78	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
79	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
80	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
81	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Given Yr	SL Depr	Fraction of Original Plant Depreciating Away in Given Year						
1	1.0000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	0.5000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	0.3333	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	0.2500	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	0.2000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	0.1667	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7	0.1429	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	0.1250	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	0.1111	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	0.1000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	0.0909	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
12	0.0833	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	0.0769	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
14	0.0714	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	0.0667	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	0.0625	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
17	0.0588	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
18	0.0556	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
19	0.0526	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
20	0.0500	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
21	0.0476	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
22	0.0455	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
23	0.0435	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
24	0.0417	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
25	0.0400	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
26	0.0385	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
27	0.0370	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
28	0.0357	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
29	0.0345	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
30	0.0333	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!























2421-nm Aerial Cable - Non-Metallic	2422-m Underground - Metallic	2422-nm Underground - Non-Metallic	2423-m Buried - Metallic	2423-nm Buried - Non- Metallic	2426-m Intrabuilding - Metallic	2426-nm Intrabuilding - Non-Metallic	2441 Conduit Systems
1.13339740	1.02766470	1.02766470	1.13339740	1.13339740	0.96000000	0.96000000	1.49906820
-0.21745512	-5.71031270	-5.71031270	-0.21745512	-0.21745512	-0.19488615	-0.19488615	-0.00491005
0.02396884	0.14552408	0.14552408	0.02396884	0.02396884	-0.01125187	-0.01125187	0.00177395
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!















**Pseudo-IRS Accelerated Depreciation Schedules -- Beginning of Year Placing Convention**

<b>Year</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>	<b>Category 4</b>	<b>Category 5</b>	<b>Category 6</b>
	<b>3 Year</b>	<b>5 Year</b>	<b>7 Year</b>	<b>10 Year</b>	<b>15 Year</b>	<b>20 Year</b>
<b>1</b>	0.59870	0.36380	0.26090	0.18320	0.09490	0.07120
<b>2</b>	0.27780	0.26000	0.21430	0.16500	0.09130	0.07000
<b>3</b>	0.12350	0.15600	0.15310	0.13200	0.08210	0.06482
<b>4</b>	-	0.11010	0.10930	0.10560	0.07390	0.05996
<b>5</b>	-	0.11010	0.08750	0.08450	0.06650	0.05546
<b>6</b>	-	-	0.08740	0.06760	0.05990	0.05130
<b>7</b>	-	-	0.08750	0.06550	0.05900	0.04746
<b>8</b>	-	-	-	0.06550	0.05910	0.04460
<b>9</b>	-	-	-	0.06560	0.05900	0.04460
<b>10</b>	-	-	-	0.06550	0.05910	0.04460
<b>11</b>	-	-	-	-	0.05900	0.04460
<b>12</b>	-	-	-	-	0.05910	0.04460
<b>13</b>	-	-	-	-	0.05900	0.04460
<b>14</b>	-	-	-	-	0.05910	0.04460
<b>15</b>	-	-	-	-	0.05900	0.04460
<b>16</b>	-	-	-	-	-	0.04460
<b>17</b>	-	-	-	-	-	0.04460
<b>18</b>	-	-	-	-	-	0.04460
<b>19</b>	-	-	-	-	-	0.04460
<b>20</b>	-	-	-	-	-	0.04460
<b>21</b>	-	-	-	-	-	-
<b>22</b>	-	-	-	-	-	-
<b>23</b>	-	-	-	-	-	-
<b>24</b>	-	-	-	-	-	-
<b>25</b>	-	-	-	-	-	-
<b>26</b>	-	-	-	-	-	-
<b>27</b>	-	-	-	-	-	-
<b>28</b>	-	-	-	-	-	-
<b>29</b>	-	-	-	-	-	-
<b>30</b>	-	-	-	-	-	-
<b>31</b>	-	-	-	-	-	-
<b>32</b>	-	-	-	-	-	-
<b>33</b>	-	-	-	-	-	-
<b>34</b>	-	-	-	-	-	-
<b>35</b>	-	-	-	-	-	-
<b>36</b>	-	-	-	-	-	-
<b>37</b>	-	-	-	-	-	-
<b>38</b>	-	-	-	-	-	-
<b>39</b>	-	-	-	-	-	-
<b>40</b>	-	-	-	-	-	-
<b>41</b>	-	-	-	-	-	-
<b>42</b>	-	-	-	-	-	-
<b>43</b>	-	-	-	-	-	-
<b>44</b>	-	-	-	-	-	-
<b>45</b>	-	-	-	-	-	-
<b>46</b>	-	-	-	-	-	-
<b>47</b>	-	-	-	-	-	-
<b>48</b>	-	-	-	-	-	-
<b>49</b>	-	-	-	-	-	-

50	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-
81	-	-	-	-	-	-	-





Inputs

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2																
3																
4			<b>User Inputs</b>	<b>Calculations</b>												
5	State															
6	Company															
7																
8	<b>Cost of Capital Inputs</b>															
9	Cost of Debt															
10	Debt fraction															
11	Cost of Equity															
12	Equity fraction															
13	Weighted equity fraction															
14	Overall Cost of Capital															
15																
16	<b>Traffic Inputs</b>															
17	local DEMs, thousands															
18	intra-state DEMs, thousands															
19	inter-state DEMs, thousands															
20	Local call completion fraction															
21	Total local calls attempted															
22	Total intra-LATA calls completed															
23	Total inter-LATA calls completed - intrastate															
24	Total inter-LATA calls completed - interstate															
25	local DEM fraction															
26	local interoffice traffic fraction															
27	D link investment, per link															
28	Bus/Res DEMs ratio (local, state, interstate)															
29																
30	per-line entrance facility investment															
31	local direct-routed fraction															
32	tandem-routed intra-LATA fraction															
33	tandem-routed access fraction															
34	maximum trunk usage, CCS															
35	ISUP msgs per i/o call attempt															
36	avg ISUP msg length, octets															
37	TCAP msgs per transaction															
38	TCAP msg length, octets															
39	fraction of calls requiring TCAP															
40	trunk port investment, per port															
41	Switch line circuit offset per DLC line															
42	Total signaling links															
43	Average trunk utilization															
44																
45	<b>Cost Parameters</b>															
46	tax rate															
47	corporate overhead factor															
48	other taxes factor															
49																
50	billing/bill inquiry per line per month															
51	directory listing per line per month															
52	channel bank investment per 24 channels															
53	forward-looking network operations factor															
54	alternative CO switching factor															
55	alternative circuit equipment factor															
56	EO non-port fraction															
57	per-line monthly LNP cost															
58	Carrier-carrier customer service, per line per year															
59	NID expense per line per year															
60	DS-0/DS-1 crossover															
61	DS-1/DS-3 crossover															
62	Average lines per business location															
63																
64	<b>Structure fraction assigned to telephone</b>															
65	density range	dist aerial	dist buried	dist underground	fdr aerial	fdr underground	fdr buried									
66	0															
67	5															
68	100															
69	200															
70	650															
71	850															
72	2550															
73	5000															
74	10000															
75																
76	<b>Usage Calculations</b>															
77	Intrastate Toll DEMs															
78	Interstate Toll DEMs															
79																
80	trunk port usage															
81	trk-min/mo															
82	interLATA ded. trunks															
83																
84	Common Transport MOU															

Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	IRS Deprec Category	Regulatory Deprec Method (SL/ELG)	c	Log g	Log s
2112	Motor Vehicles			-	2	elg	1.26214	-0.03960	0.00855
2115	Garage Work Equipment			-	3	elg	1.02766	-5.71031	0.14552
2116	Other Work Equipment			-	2	elg	0.00000	0.00000	-0.04344
2121	Buildings			-	6	elg	1.49907	-0.00491	0.00177
2122	Furniture			-	3	elg	1.01954	-4.49722	0.05859
2123.1	Office Support Equipment			-	3	elg	1.02910	-8.97444	0.16316
2123.2	Company Comm Equipment			-	2	elg	1.26214	-0.03960	0.00855
2124	Computers			-	2	elg	1.02766	-5.71031	0.14552
2212	Digital Switching			-	2	elg	1.13340	-0.21746	0.02397
2220	Operator Systems			-	2	elg	1.13340	-0.21746	0.02397
2232.2	Digital Circuit Equipment			-	2	elg	1.02010	-8.97444	0.16316
2351	Public Telephone			-	2	elg	1.10249	-0.33410	0.02401
	NID, SAI and Drop			-	5	elg	1.02766	-5.71031	0.14552
2411	Poles			-	5	elg	1.02010	-8.97444	0.16316
2421-m	Aerial Cable - Metallic			-	5	elg	1.13340	-0.21746	0.02397
2421-nm	Aerial Cable - Non-Metallic			-	5	elg	1.13340	-0.21746	0.02397
2422-m	Underground - Metallic			-	5	elg	1.02766	-5.71031	0.14552
2422-nm	Underground - Non-Metallic			-	5	elg	1.02766	-5.71031	0.14552
2423-m	Buried - Metallic			-	5	elg	1.13340	-0.21746	0.02397
2423-nm	Buried - Non-Metallic			-	5	elg	1.13340	-0.21746	0.02397
2426-m	Intrabuilding - Metallic			-	5	elg	0.96000	-0.19489	-0.01125
2426-nm	Intrabuilding - Non-Metallic			-	5	elg	0.96000	-0.19489	-0.01125
2441	Conduit Systems			-	5	elg	1.49907	-0.00491	0.00177

MACRS Life (years)	IRS Deprec Category
3.0	1
5.0	2
7.0	3
10.0	4
15.0	5
20.0	6
31.5	7

Accelerated Tax Depreciation: TRUE



Inputs

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
85		Local	#DIV/0!	w/o OS usage												
86		Intrastate Toll	#DIV/0!													
87		Interstate Toll	-													
88			#DIV/0!													
89																
90		Intrastate IntraLATA Calls	-	#DIV/0!	SOCCC message counts											
91		Intrastate InterLATA Calls	-	#DIV/0!												
92			-													
93																
94																
95																
96		<b>Calculation of EO Usage</b>														
97																
98		Local DEMs, incl OS	-	#DIV/0!	of total DEMs											
99		Intraoffice Local DEMs	-													
100																
101		Intraoffice Local Actual Min	-													
102		Interoffice Local Actual Min	-	per end												
103		Intrastate Toll Actual Min	-													
104		Interstate Toll Actual Min	-													
105																
106																
107		Tandem Switch MOU														
108		Local	#DIV/0!													
109		IntraLATA Toll	#DIV/0!													
110		InterLATA Toll	#DIV/0!													
111			#DIV/0!													

Actuals for (\$000s)

	Investments	Expenses	Calculated or User-defined factor	User-defined factor
<b>Plant-Specific Operations Expenses</b>				
TPIS - General Support				
2111 Land	\$ -	\$ -	0.0000	0.0276
2112 Motor Vehicles	\$ -	\$ -	0.0000	0.0276
2113 Aircraft	\$ -	\$ -	0.0000	0.0276
2114 Special Purpose Vehicles	\$ -	\$ -	0.0000	0.0276
2115 Garage Work Equipment	\$ -	\$ -	0.0000	0.0276
2116 Other Work Equipment	\$ -	\$ -	0.0000	0.0276
2121 Buildings	\$ -	\$ -	0.0000	0.0906
2122 Furniture	\$ -	\$ -	0.0000	0.0906
2123 Office Equipment	\$ -	\$ -	0.0000	0.0906
2124 General Purpose Computers	\$ -	\$ -	0.0000	0.0906
2110 Total Land & Support Assets	\$ -	\$ -	0.0000	0.0528

Land & Bldg Exp Applied to Bldgs

TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ -	\$ -	0.0000	0.0558
2212 Digital Electronic Switching	\$ -	\$ -	0.0000	0.0558

2210 Total Central Office Switching	\$ -	\$ -	0.0000	0.0485
2220 Operator Systems	\$ -	\$ -	0.0000	

TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ -	\$ -	0.0000	0.0200
2230 Total Central Office Transmission	\$ -	\$ -	0.0000	0.0200

TPIS - Information Orig/Term				
2311 Station Apparatus	\$ -	\$ -	0.0000	
2321 Customer Premises Wiring	\$ -	\$ -	0.0000	
2341 Large Private Branch Exchange	\$ -	\$ -	0.0000	
2351 Public Telephone Terminal Equipment	\$ -	\$ -	0.0000	
2362 Other Terminal Equipment	\$ -	\$ -	0.0000	
2310 Total Information Orig/Term	\$ -	\$ -	0.0000	

TPIS - Cable & Wire Facilities				
2411 Poles	\$ -	\$ -	0.0000	0.0219
2421 Aerial Cable	\$ -	\$ -	0.0000	0.0669
2422 Underground Cable	\$ -	\$ -	0.0000	0.0210
2423 Buried Cable	\$ -	\$ -	0.0000	0.0446
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intra-building Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ -	\$ -	0.0000	0.0058
2410 Total Cable & Wire Facilities	\$ -	\$ -	0.0000	
240 Total TPIS (before amortizable assets)	\$ -	\$ -	0.0000	

Alternative Cable Maintenance Factors		
	Fiber	Copper
	0.0073	0.0669
	0.0084	0.0210
	0.0061	0.0446

	Expenses	Investment	Factor
6512 Provisioning Expenses	\$ -	\$ -	#DIV/0!
6531 Power Expenses	\$ -	\$ -	#DIV/0!
6532 Network Administration	\$ -	\$ -	#DIV/0!
6533 Testing	\$ -	\$ -	#DIV/0!
6534 Plant Operations Administration	\$ -	\$ -	#DIV/0!
6535 Engineering	\$ -	\$ -	#DIV/0!
6540 Access Expense			
6530 Total Network Operations Expenses (Including Provisioning Expenses)	\$ -	\$ -	#DIV/0!

#DIV/0! all  
#DIV/0! switching, interoffice  
#DIV/0! all  
#DIV/0! all  
#DIV/0! all

per line network operations (total ARMIK 0)  
total lines (from net. invest. inputs)  
annual net ops per line #DIV/0!

Network Support Factor Calculation

	Expenses	Cable & Wire Inv	Factor
2112 Motor Vehicles	\$ -		
2113 Aircraft	\$ -		
2114 Special Purpose Vehicles	\$ -		
2115 Garage Work Equipment	\$ -		
2116 Other Work Equipment	\$ -		
Aircraft & Special Purpose Vehicles	\$ -	\$ -	#DIV/0!

Network Operations Ratio #DIV/0!  
Model Investment #DIV/0!  
total Network Ops Exp #DIV/0!  
Net Ops less SIO #DIV/0!  
Forward-looking Net Ops Exp #DIV/0!  
SIO Net Ops Exp #DIV/0!  
Forward-looking SIO Net Ops Exp #DIV/0!

	Expenses	Net Revenues	Factor
6611 Product Management *	\$ -	\$ -	#DIV/0!
6612 Sales *	\$ -	\$ -	#DIV/0!
6613 Product Advertising	\$ -	\$ -	#DIV/0!
6610 Total Marketing Expenses	\$ -	\$ -	#DIV/0!
6621 Call Completion Service	\$ -	\$ -	#DIV/0!
6622 Number Services	\$ -	\$ -	#DIV/0!
6623 Customer Services	\$ -	\$ -	#DIV/0!
6620 Total Services Expenses	\$ -	\$ -	#DIV/0!
Billing/bill inquiry (per line/month)	\$ -		
Directory listing (per line/month)	\$ -		
700 Total Customer Operations Expenses	\$ -	\$ -	#DIV/0!

#DIV/0!

	Expenses	Revenues	Factor
6711 Executive	\$ -	\$ -	#DIV/0!
6712 Planning	\$ -	\$ -	#DIV/0!
6710 Total Executive & Planning	\$ -	\$ -	#DIV/0!
6721 Accounting & Finance	\$ -	\$ -	#DIV/0!
6722 External Relations	\$ -	\$ -	#DIV/0!
6723 Human Resources	\$ -	\$ -	#DIV/0!
6724 Information Management	\$ -	\$ -	#DIV/0!
6725 Legal	\$ -	\$ -	#DIV/0!
6726 Procurement	\$ -	\$ -	#DIV/0!
6727 Research & Development	\$ -	\$ -	#DIV/0!
6728 Other General & Administrative	\$ -	\$ -	#DIV/0!

Actuals

Actual Revenue

**Actual Revenue**

			% of total
Interstate Access			
5081 End User	\$	-	#DIV/0!
5082 Switched Access	\$	-	#DIV/0!
5083 Special Access	\$	-	#DIV/0!
Total Inter Access	\$	-	#DIV/0!
State Access Revenue			
5084 End User	\$	-	#DIV/0!
5084 Switched Access	\$	-	#DIV/0!
5084 Special Access	\$	-	#DIV/0!
Total State Access	\$	-	#DIV/0!
Total Access Revenue	\$	-	#DIV/0!
Long Distance Network Revenue			
5100 Interstate Message	\$	-	#DIV/0!
5100 Intrastate Message	\$	-	#DIV/0!
5100 Interstate Calling Plan	\$	-	#DIV/0!
5100 Intrastate Calling Plan	\$	-	#DIV/0!
Total LD Msg Revenue	\$	-	#DIV/0!
Unidirectional LD Revenue			
5110 Interstate	\$	-	#DIV/0!
Intrastate	\$	-	#DIV/0!
Total	\$	-	#DIV/0!
LD Private Network Revenue			
5120 Interstate	\$	-	#DIV/0!
Intrastate	\$	-	#DIV/0!
Total	\$	-	#DIV/0!
Other Long Distance Revenue			
5160 Interstate	\$	-	#DIV/0!
Intrastate	\$	-	#DIV/0!
Total	\$	-	#DIV/0!
Total Long Distance Network Rev			
Interstate	\$	-	#DIV/0!
Intrastate	\$	-	#DIV/0!
Total	\$	-	#DIV/0!
Basic Local Service			
5001 Basic Area	\$	-	#DIV/0!
5002 Optional Extended Area	\$	-	#DIV/0!
5003 Cellular Mobile	\$	-	#DIV/0!
5004 Other Mobile Svcs	\$	-	#DIV/0!
Total Basic Local Service	\$	-	#DIV/0!
Public Telephone Revenue			
5010 Local Public Msgs	\$	-	#DIV/0!

Actual Revenue

Universal Public Phone	\$	-	#DIV/0!
Public Exchange - IX Carrier	\$	-	#DIV/0!
Credit Card Coinless	\$	-	#DIV/0!
Public Exchange - CPE	\$	-	#DIV/0!
Semi-Public Msgs	\$	-	#DIV/0!
Other Public Phone Revenue	\$	-	#DIV/0!
Total Public Phone Revenue	\$	-	#DIV/0!
Local Private Line Revenue			
5040 Interstate	\$	-	#DIV/0!
Intrastate	\$	-	#DIV/0!
Total Private Line	\$	-	#DIV/0!
Customer Premises Revenue			
5050 Station Apparatus	\$	-	#DIV/0!
Customer Premises Wiring	\$	-	#DIV/0!
Total Customer Premises	\$	-	#DIV/0!
Other Local Exchange Revenue			
5060 Central Office Features	\$	-	#DIV/0!
Information Transport	\$	-	#DIV/0!
Directory Assistance	\$	-	#DIV/0!
Intercept Services	\$	-	#DIV/0!
Other Loc Exchg	\$	-	#DIV/0!
Total Other	\$	-	#DIV/0!
Total Local Network Service Revenue			
Interstate	\$	-	#DIV/0!
Intrastate	\$	-	#DIV/0!
Total Revenue	\$	-	#DIV/0!

**HAI Model Release 5.3**

***Expense Module Release 5.3***

**Copyright 2004  
HAI Consulting, Inc., AT&T Corp,  
and MCI, Inc.  
All rights reserved.**

**This file contains licensed, proprietary information of Telcordia and PNR and Associates. This information is to be used only with these associated program modules and is not licensed for any other purpose.**

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

Scenario Inputs

**NOTE: This sheet displays all user adjustable inputs which vary from HAI Model 5.3 default settings**

Workfile Name:  
Distribution Module Name:  
Feeder Module Name:  
Switching Module Name:  
Expense Module Name:

Module/Table	Scenario Input	Scenario Value	Default Value
--------------	----------------	----------------	---------------







