

**State of Florida**  
**-M-E-M-O-R-A-N-D-U-M-**



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**Public Service Commission**

RECORDS AND  
REPORTING

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DATE: June 22, 1998

TO: Kay Flynn, Records and Reporting

FROM: Sally Simmons, Division of Communications *SAS*

RE: Docket No. 980696-TL

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Please include the attached documents (responses to staff's April 28, 1998 data request) in docket file 980696-TL. I am aware that this information was returned to technical staff on June 19, 1998, because it was believed to be discovery. However, staff data requests are not considered formal discovery and should be kept in the docket file. Thank you for your assistance.

ACK \_\_\_\_\_  
AFA \_\_\_\_\_  
APP \_\_\_\_\_  
CAF \_\_\_\_\_  
CMU \_\_\_\_\_  
CTR \_\_\_\_\_  
EAG \_\_\_\_\_ Attachments  
LEG \_\_\_\_\_ cc: Cox  
LIN \_\_\_\_\_ Dowds  
OPC \_\_\_\_\_ King  
RCH \_\_\_\_\_  
SEC \_\_\_\_\_  
WAS \_\_\_\_\_  
4 \_\_\_\_\_

DOCUMENT NO.  
06575-78  
June 22

980696 -TP

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BellSouth Telecommunications, Inc. 850 222-1201  
Suite 400 Fax 850 222-8640  
150 South Monroe Street  
Tallahassee, Florida 32301

Nancy H. Sims  
Director - Regulatory Relations

May 19, 1998

RECEIVED

MAY 20 1998

CMU

Mr. Walter D'Haeseler  
Director, Division of Communications  
Florida Public Service Commission  
Capital Circle Office Center  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399

Dear Mr. D'Haeseler:

Attached is BellSouth Telecommunications, Inc.'s response to the data request concerning Universal Service cost information.

If I can be of further assistance, please advise.

Yours very truly,

*Tanya Lynn*  
for Director-  
Regulatory Relations

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JUN 19 1998

CMU

We recommend to the Commission that the BCPM 3.1, with the values included here, be used to determine the cost of universal service for BellSouth's Florida territory.

#### **Input Categories**

Some of the major categories of inputs using BellSouth-specific input values are listed below. Also attached is a more detailed exhibit displaying, by major category of inputs, the source of the inputs and whether the inputs are state-specific, company-specific or nationwide defaults.

- Contractor costs of placing cable, conduit and poles
- Sharing percentage associated with structures
- Cable material and labor unit costs
- Cable sizing/utilization
- Drop terminal cost
- Feeder/distribution interface costs
- Switch costs
- Interoffice transport and signaling costs
- Network interface device costs
- Depreciation lives, survivor curves and net salvage percentages
- Expenses and support assets

All inputs used by BellSouth are designed to represent forward-looking costs. BellSouth uses current material prices, labor costs, and contractor costs which are adjusted by Telephone Plant Indices (TPIs) to reflect 1997-1999 costs. In certain plant accounts, the TPIs add inflation estimates to the costs. In other accounts, the TPIs actually result in lower costs when costs are projected to decline in a particular type of telephone plant. The combination of forward-looking network requirements, designed by BCPM 3.1, and forward-looking 1997-1999 input values definitely result in forward-looking costs.

#### **Structure Costs**

BellSouth's structure placement costs (contractor costs) for placing conduit, trenching/plowing buried cable, and placing poles are based on an average of the existing BellSouth agreements with outside plant contractors in Florida. These contracts encompass the entire BellSouth territory in Florida. BellSouth also used BellSouth-specific inputs from these contracts for the costs for manholes and handholes in Florida.

BellSouth does not have data that identifies the percentage of time associated with each activity in the structure tables. However, BellSouth

Network experts reviewed the defaults and found these values to be reasonable and representative of BellSouth's operations in Florida. Thus, the defaults are used in BellSouth's study.

BellSouth used structure sharing percentages which are BellSouth-specific values representative of BellSouth's sharing arrangements in Florida.

#### **Cable Costs**

BellSouth used cable costs for both copper and fiber cable which reflect BellSouth-specific cable costs in Florida. Material prices for copper and fiber cable were obtained from purchasing records containing BellSouth's actual purchase prices. These material prices were then adjusted for inflation. Telephone company engineering and labor costs were derived from BellSouth's Florida in-plant loading factors which convert the material prices to a Florida-specific installed investment. (Note that contractor costs are handled separately in the structures tables of BCPM 3.1 and thus are not included in the installed investment.) BellSouth-specific cable costs reflect economies of scale and vendor prices that an efficient provider would be able to expect to achieve on a going forward basis.

#### **Utilization Factors**

Universal service costs should be based on a forward-looking projection of actual utilization. BCPM 3.1 determines the network required to provide quality service to an area, calculates the cost of that network, and then determines a cost per line based on the number of lines served by the network. Thus, BCPM 3.1 incorporates an actual, or average, utilization to determine universal service costs. BCPM 3.1 requires a cable sizing factor input which, along with standard cable sizes and number of distribution pairs per housing unit, is used to determine cable requirements. BellSouth used Florida-specific cable sizing factors, consistent with BellSouth engineering guidelines, to determine cable sizes within BCPM 3.1. These cable sizing factors input by BellSouth are designed to produce a fill equal to BellSouth's projection of actual fill, based on actual experience over time, for Florida.

#### **Terminal Costs**

BellSouth's drop terminal costs for line sizes below 100 pairs are considered exempt material and thus are in the in-plant factors used to develop the installed investments of cable. Therefore, terminal costs are not included in BellSouth's BCPM 3.1 study as a separate input.

BellSouth used BellSouth-specific feeder distribution interface costs to reflect BellSouth's costs in Florida. The material prices were obtained from procurement records and were adjusted for inflation. The

### **Support Investment**

BellSouth developed BellSouth-specific support investment ratios for input into BCPM 3.1 using projected investments in support assets relative to projected investments in non-support assets.

### **Expenses**

Expenses are handled in BCPM 3.1 in two ways. Certain categories of expenses, including retail expenses, are expressed on a per line basis using 1997-1999 projected total lines. Other categories of expense (e.g., aerial copper cable) are based on BellSouth plant specific expense factors specific to Florida. Plant-specific expenses consist mainly of maintenance expenses. These types of expenses are considered to be causally related to investment and are developed from three years of projected expense data relative to the same period projections for investment. The result is an expense per dollar of investment for these plant-specific expense accounts. The plant-specific expense percentages used in the BellSouth universal service study are identical to those used in the unbundled network element cost studies.

Non-plant specific expenses, such as Network Operations and Executive and Planning, are not causally related to investment. These expenses are determined on a per line per month basis using projected forward-looking expenses and projected number of lines to derive an expense per line.

### **Summary**

BellSouth's proposed inputs in BCPM 3.1 reflect the forward-looking costs BellSouth will incur to provide universal service in Florida. Costs for structures, cable, and other components of the network reflect BellSouth contract prices with vendors, including discounts provided to BellSouth. Installation and engineering costs are based on actual experience by BellSouth network personnel. These inputs are reflective of costs that a large, efficient telecommunications carrier would expect to incur, on a going forward basis, to provide universal service in BellSouth's operating territory in Florida.

The inputs included in this package are presented in the standard BCPM 3.1 input format. Also included is a table displaying the major input categories, sources of the input values and whether the values are state-specific, company-specific, or nationwide defaults. The values represent BellSouth's currently proposed input values for Florida's universal service cost study. As more current information becomes available, BellSouth will respectfully request permission to provide updates to these inputs.

## **INPUT SOURCES**

## BCPM Input Sources

BCPM 3.1 INPUT SOURCES - BELLSOUTH - FLORIDA		
Input	Source	Scope
<b>FIBER CABLE (All Demolition/All New)</b>		
Aerial		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
Buried		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
Underground		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
<b>TERMINAL (All Demolition/All New)</b>		
Outdoor		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
Indoor		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
<b>Aerial Drop Terminal Cost</b>		
N/A	N/A	N/A
<b>Buried Drop Terminal Cost</b>		
N/A	N/A	N/A
<b>COPPER CABLE (All Demolition/All New/With Coaxial)</b>		
Aerial		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
Buried		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
Underground		
Material	BST Network/Purchase Records	Company Specific
Placing	BST In-Plant Factors	State Specific
<b>STRAND</b>		
N/A	N/A	N/A
<b>Loop Percentage Table (All Demolition/All Terrain)</b>		
Distribution Plant Mix Table		
Aerial	Default	Global
Buried	Default	Global
Underground	Default	Global
Copper Plant Mix Table (Feeder)		
Aerial	Default	Global
Buried	Default	Global
Underground	Default	Global
Fiber Plant Mix Table (Loop)		
Aerial	Default	Global
Buried	Default	Global
Underground	Default	Global
Fiber Plant Mix Table (Transport)		
Aerial	Default	Global
Buried	Default	Global
Underground	Default	Global
Average Number of Housing Units Per Dwelling		
Density Cable Sizing Factor Table		
Feeder	Projected Actual Fill	State Specific
Distribution	Projected Actual Fill	State Specific
Density Mix Table (All)	Default	Global
Structure Allocation Table (All)	Default	Global
Voice Grade Ratio Table (All)	Default	Global
<b>DLC &amp; Electronics Costs</b>		
Digital Loop Carrier Remote System Cost Table - All	Default	Global
DLC COT Investment Table - All	Default	Global

BCPM 3.1 INPUT SOURCES - BELLSOUTH - FLORIDA		
Input	Source	Scope
<b>Miscellaneous Inputs</b>		
Cable & Wire Inputs		
PairPerHousingUnit	BST Network	State Specific
PairPerBusinessLocation	Default	Global
MaxSizeFDI	Default	Global
MaxFiberSize	Default	Global
MaxFeederSize	Default	Global
MaxDuctSize	Default	Global
CprMaxDuct	Default	Global
FiberCableDiscount	Default	Global
CopperCableDiscount	Default	Global
InvLoopCap	Default	Global
BreakPoint	BST Network	Company Specific
<b>Terrain Inputs and Surface Impacts</b>		
CriticalWaterDepth	Default	Global
WaterFactor	Default	Global
NewTerrainTrigger	Default	Global
NewTerrainFactor	Default	Global
MinSlopeTrigger	Default	Global
MaxSlopeFactor	Default	Global
MaxSlopeTrigger	Default	Global
MaxSlopeFactor	Default	Global
CombSlopeFactor	Default	Global
<b>Census Data Inputs - State Specific Specific</b>		
BusinessPrem	Default	Global
Trench Depth		
NormalT1ObstructedCover	Default	Global
NormalFiberCover	Default	Global
Digital Electronics		
Optical_T1	Default	Global
CopperT1	Default	Global
ForTermFrame	NA	NA
D4Bank	NA	NA
FlexCapacityFill	BST Network	Company Specific
HipCapFill	Default	Global
SmallDLCLDiscount	NA	NA
LargeDLCLDiscount	NA	NA
MaxCOTDLCL	Default	Global
MaxCOTDLCS	Default	Global
COTDLCLPerLine	Default	Global
COTDLCSPerLine	Default	Global
<b>Financial Data</b>		
ReturnOnEqury	FCC / BST Treasury	Company Specific
DebtRate	FCC / BST Treasury	Company Specific
DebtRatio	FCC / BST Treasury	Company Specific
<b>Tax Data</b>		
FederalTaxRate	BST Treasury	Company Specific
State Specific Tax Rate	BST Treasury	State Specific
AdValoremInsurance	BST Treasury	State Specific
OtherTaxRate	BST Treasury	State Specific
<b>Tax Depreciation</b>		
BookSurvivalCurves	BST Capital Recovery	Company Specific
BookConversion	BST Capital Recovery	Company Specific
BookELO_VG	BST Capital Recovery	Company Specific
BookWL_RL	BST Capital Recovery	Company Specific
<b>Calculated Results</b>		
DLC-SDiscount	Default	Global
DLC-LDiscount	Default	Global
FiberCostRatio	Default	Global
CopperCostRatio	Default	Global
CopperGeog	Default	Global
<b>Version 3 Input Changes Extended Range Line Card Inputs</b>		
COTDLCLPerLineExRange	Default	Global
COTDLCLPerLineExRange	Default	Global
RTDLCLPerLineExRange	BST Network	State Specific
RTDLCSPerLineExRange	BST Network	State Specific
BreakPointExRange	Default	Global

BCPM 3.1 INPUT SOURCES - BELLSOUTH - FLORIDA		
Input	Source	Scope
<b>Transport Inputs</b>		
Ring Size Table - Full %'s	BST Network	Company Specific
Maximum Number of Nodes on a Ring	BST Network	Company Specific
Air to Route Factor	BST Finance	State Specific
Access Line to DSO Trunk Factor; Home/Remote Links	Default	Global
Access Line to DSO Trunk Factor; Home/Tandem Trunks	Default	Global
% Special Access Circuits to Number of Exchange Access Lines	Default	Global
Maximum Repeater Spacing (Miles)	BST Network	Company Specific
MOU per DS1	Default	Global
Does Two Pt (Folded) Ring use Separate Routing for 2 Sides	Default	Global
% Interoffice MOUs that are EAS	Default	Global
CLLI Mesh	BST Finance	Company Specific
Mileage Equipment Aerial Fiber (per Fiber Mile)	BST Finance	State Specific
Mileage Equipment Underground Fiber (per Fiber Mile)	BST Finance	State Specific
Mileage Equipment Buried Fiber (per Fiber Mile)	BST Finance	State Specific
Fiber Pole Factor	BST Finance	State Specific
Fiber Conduit Factor	BST Finance	State Specific
Miscellaneous Equipment & Power Factor	BST Finance	State Specific
Sheath Sharing Factor	Default	Global
Two Point Sheath Sharing Factor	Default	Global
Fiber Mix - Aerial	BST Plant Mileage Report TA	State Specific
Fiber Mix - Underground	BST Plant Mileage Report TA	State Specific
Fiber Mix Burned	BST Plant Mileage Report TA	State Specific
Transport Equipment - Material Prices	BST Network	State Specific
Transport Equipment - Other Costs	BST Finance	State Specific
Transport Equipment - Utilization Factors	BST Network	State Specific
Transport Equipment - Discounts	BST Equipment Vendors	Company Specific
<b>Capital Cost Inputs</b>		
Economic Lives, Future Net Salvage, Survival Curves		
All Accounts	BST Capital Recovery	Company Specific
Tax Lives		
All Accounts	IRS	Global
<b>Expense Inputs</b>		
Aggregate Support Inputs	Revenue Benchmarks	Company Specific
Support and Expense Factors for Tier 1 Companies		
Support Investment Ratios - Large		
All Support Investment Accounts	BST Projected Support Level	Company Specific
Per Line Monthly Operating Expenses - Res & Bus		
Accounts with Fixed Cost per Line	BST Finance	Company Specific
Accounts with Expense as % per investment	BST Finance	Company Specific
<b>State Information Table</b>		
Residence Line Multiplier	N/A	N/A
Single Business Line Factor	N/A	N/A
Special Access Rate	N/A	N/A
Gross Receipts Tax	BST Finance	State Specific

## **INPUTS**

SWDiscAdjFactorTable

	0.9122	0.6171	0.9301	0.9761	0.9715	0.9913
FEEA	0.7959	0.6171	0.9481	0.9835	0.9815	
FRAD	0.9769	0.6171	0.9903	0.9845	0.9826	0.9912
URCE	0.9254	0.6171	0.9980	0.9771		

Pricing Percentages for Small Switches

	31%	27%	23%	0.1088%	4.5781%	2.3623%
10%	31%	27%	23%	7.8160%	5.7040%	1.0500%
19%	30%	26%	24%	0.0000%	5.8133%	0.0000%
27%	26%	24%				

Vendor Discounts for Small Switches

	0.00%	0.00%	0.00%
100% Discount	0.00%	0.00%	0.00%

Investment Parameters for Small Switches

	Fixed Investment per Switch	\$/
Converging	698,262.60	\$
Converging	42.69	\$
Fixed	598,262.60	\$
Fixed	42.69	\$
Transit	54,269.76	\$
Transit	144.59	\$





	1	2	3	4	5	6	7	8	9
1									
2									
3									
4									
5	StandAloneCoefficients								
6	Total Inv	358.74	314.64	822.203	0	-220.883	-57.44	0	0
7	Past	157.96	0	0	0	0	-105.64	0	0
8	Lim CCS	112.74	0	0	0	-162.034	43.47	0	0
9	Processor	18.46	0	419.110	0	-198.584	17.74	0	1.194.102
10	Tot CCS	0.00	322.64	0	0	0	0.00	-241.34	0
11	IndCF	15.74	0	0	0	0	0.00	0	0
12	SS7 Share								
13									
14	HostCoefficients								
15	Total Inv	341.87	411.45	1.062.150	0	-464.803	-71.64	0	0
16	Past	164.12	0	0	0	0	-114.89	0	0
17	Lim CCS	129.26	0	0	0	122.110	34.42	0	0
18	Processor	3.96	0	486.620	0	-451.270	43.83	0	1.404.602
19	Tra CCS	0.00	562.24	0	0	0	0.00	-255.03	0
20	IndCF	16.57	0	0	0	0	0.00	0	0
21	SS7 Share								
22									
23	RemoteCoefficients								
24	Total Inv	393.02	0	118.140	0	296.350	-113.60	0.00	0
25	Past	217.86	0	0	0	0	-134.83	0.00	0
26	Lim CCS	136.43	0	0	0	134.000	25.62	0.00	0
27	Processor	-23.51	0	134.620	0	134.810	14.97	0.00	0
28	IndCF	22.04	0	0	0	34.490	-10.59	0.00	0
29									

SIGNALING INPUTS	
Res	\$ 5.11
Bus	\$ 9.93

### BCPM Loop Cost Inputs

#### Drop, NID, Protector Costs

##### Buried Drop Costs

	\$ Density/200' 0.0000	\$ Density/100' 0.0000	\$ Density/50' 0.0000	\$ Density/25' 0.0000	\$ Density/10' 0.0000	\$ Density/5' 0.0000	\$ Density/2' 0.0000	\$ Density/1' 0.0000
1	0.64	1	0.64	1	0.64	1	0.64	1
2								
3								

##### Aerial Drop Costs

	\$ Density/200' 0.0000	\$ Density/100' 0.0000	\$ Density/50' 0.0000	\$ Density/25' 0.0000	\$ Density/10' 0.0000	\$ Density/5' 0.0000	\$ Density/2' 0.0000	\$ Density/1' 0.0000
1	0.25	1	0.25	1	0.25	1	0.25	1
2								
3								

##### Residence Costs

	\$ Density/200' 0.0000	\$ Density/100' 0.0000	\$ Density/50' 0.0000	\$ Density/25' 0.0000	\$ Density/10' 0.0000	\$ Density/5' 0.0000	\$ Density/2' 0.0000	\$ Density/1' 0.0000
1	20.24	1	20.24	1	20.24	1	20.24	1
2	12.21	1	12.21	1	12.21	1	12.21	1
3	11.09	1	11.09	1	11.09	1	11.09	1

##### Business Costs

	\$ Density/200' 0.0000	\$ Density/100' 0.0000	\$ Density/50' 0.0000	\$ Density/25' 0.0000	\$ Density/10' 0.0000	\$ Density/5' 0.0000	\$ Density/2' 0.0000	\$ Density/1' 0.0000
1	20.24	1	20.24	1	20.24	1	20.24	1
2	12.21	1	12.21	1	12.21	1	12.21	1
3	11.09	1	11.09	1	11.09	1	11.09	1

##### Fiber Costs

###### Fiber - Underground

	\$ Density/200' 0.0000	\$ Density/100' 0.0000	\$ Density/50' 0.0000	\$ Density/25' 0.0000	\$ Density/10' 0.0000	\$ Density/5' 0.0000	\$ Density/2' 0.0000	\$ Density/1' 0.0000
1	16.93	1	16.93	1	16.93	1	16.93	1
2	8.56	1	8.56	1	8.56	1	8.56	1
3	4.82	1	4.82	1	4.82	1	4.82	1
4	3.72	1	3.72	1	3.72	1	3.72	1
5	3.14	1	3.14	1	3.14	1	3.14	1
6	2.65	1	2.65	1	2.65	1	2.65	1
7	2.14	1	2.14	1	2.14	1	2.14	1
8	1.74	1	1.74	1	1.74	1	1.74	1
9	1.34	1	1.34	1	1.34	1	1.34	1
10	1.10	1	1.10	1	1.10	1	1.10	1

BCPM Loop Cost Inputs

Drop, NID, Protector Costs

### Buried Drop Costs

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Aerial Drop Costs	
1	0.36
1	0.36
1	0.36
1	0.36

Residence Units

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Period	Actual	Budget	Variance
January	\$11,000	\$11,000	\$0
February	\$12,211	\$11,690	\$521
March	\$12,211	\$11,690	\$521
April	\$12,211	\$11,690	\$521
May	\$12,211	\$11,690	\$521
June	\$12,211	\$11,690	\$521
July	\$12,211	\$11,690	\$521
August	\$12,211	\$11,690	\$521
September	\$12,211	\$11,690	\$521
October	\$12,211	\$11,690	\$521
November	\$12,211	\$11,690	\$521
December	\$12,211	\$11,690	\$521

#### **Fiber Costs**

Fitter - Underground

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Bijdragen

BCPM Loop Cost Inputs

GENERAL		FOOD COSTS		GENERAL	
ITEM	QUANTITY	UNIT	AMOUNT	ITEM	QUANTITY
1	1	EA	\$ 9.27	1	1
2	1	EA	\$ 1.96	2	1
3	1	EA	\$ 0.36	3	1
4	1	EA	\$ 1.44	4	1
5	1	EA	\$ 1.53	5	1
6	1	EA	\$ 0.28	6	1
7	1	EA	\$ 2.04	7	1
8	1	EA	\$ 0.86	8	1
9	1	EA	\$ 1.15	9	1
10	1	EA	\$ 0.60	10	1
11	1	EA	\$ 0.60	11	1
12	1	EA	\$ 0.12	12	1
13	1	EA	\$ 0.89	13	1
14	1	EA	\$ 0.44	14	1
15	1	EA	\$ 0.75	15	1
16	1	EA	\$ 0.10	16	1
17	1	EA	\$ 0.75	17	1
18	1	EA	\$ 0.63	18	1
19	1	EA	\$ 0.63	19	1
20	1	EA	\$ 0.67	20	1
21	1	EA	\$ 0.31	21	1
22	1	EA	\$ 0.27	22	1
23	1	EA	\$ 0.27	23	1
24	1	EA	\$ 0.11	24	1
25	1	EA	\$ 0.41	25	1
26	1	EA	\$ 0.22	26	1
27	1	EA	\$ 0.17	27	1
28	1	EA	\$ 0.22	28	1
29	1	EA	\$ 0.22	29	1
30	1	EA	\$ 0.11	30	1
31	1	EA	\$ 0.11	31	1
32	1	EA	\$ 0.11	32	1
33	1	EA	\$ 0.11	33	1
34	1	EA	\$ 0.11	34	1
35	1	EA	\$ 0.11	35	1
36	1	EA	\$ 0.11	36	1
37	1	EA	\$ 0.11	37	1
38	1	EA	\$ 0.11	38	1
39	1	EA	\$ 0.11	39	1
40	1	EA	\$ 0.11	40	1
41	1	EA	\$ 0.11	41	1
42	1	EA	\$ 0.11	42	1
43	1	EA	\$ 0.11	43	1
44	1	EA	\$ 0.11	44	1
45	1	EA	\$ 0.11	45	1
46	1	EA	\$ 0.11	46	1
47	1	EA	\$ 0.11	47	1
48	1	EA	\$ 0.11	48	1
49	1	EA	\$ 0.11	49	1
50	1	EA	\$ 0.11	50	1
51	1	EA	\$ 0.11	51	1
52	1	EA	\$ 0.11	52	1
53	1	EA	\$ 0.11	53	1
54	1	EA	\$ 0.11	54	1
55	1	EA	\$ 0.11	55	1
56	1	EA	\$ 0.11	56	1
57	1	EA	\$ 0.11	57	1
58	1	EA	\$ 0.11	58	1
59	1	EA	\$ 0.11	59	1
60	1	EA	\$ 0.11	60	1
61	1	EA	\$ 0.11	61	1
62	1	EA	\$ 0.11	62	1
63	1	EA	\$ 0.11	63	1
64	1	EA	\$ 0.11	64	1
65	1	EA	\$ 0.11	65	1
66	1	EA	\$ 0.11	66	1
67	1	EA	\$ 0.11	67	1
68	1	EA	\$ 0.11	68	1
69	1	EA	\$ 0.11	69	1
70	1	EA	\$ 0.11	70	1
71	1	EA	\$ 0.11	71	1
72	1	EA	\$ 0.11	72	1
73	1	EA	\$ 0.11	73	1
74	1	EA	\$ 0.11	74	1
75	1	EA	\$ 0.11	75	1
76	1	EA	\$ 0.11	76	1
77	1	EA	\$ 0.11	77	1
78	1	EA	\$ 0.11	78	1
79	1	EA	\$ 0.11	79	1
80	1	EA	\$ 0.11	80	1
81	1	EA	\$ 0.11	81	1
82	1	EA	\$ 0.11	82	1
83	1	EA	\$ 0.11	83	1
84	1	EA	\$ 0.11	84	1
85	1	EA	\$ 0.11	85	1
86	1	EA	\$ 0.11	86	1
87	1	EA	\$ 0.11	87	1
88	1	EA	\$ 0.11	88	1
89	1	EA	\$ 0.11	89	1
90	1	EA	\$ 0.11	90	1
91	1	EA	\$ 0.11	91	1
92	1	EA	\$ 0.11	92	1
93	1	EA	\$ 0.11	93	1
94	1	EA	\$ 0.11	94	1
95	1	EA	\$ 0.11	95	1
96	1	EA	\$ 0.11	96	1
97	1	EA	\$ 0.11	97	1
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99	1	EA	\$ 0.11	99	1
100	1	EA	\$ 0.11	100	1
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251	1	EA	\$ 0.11	251	1
252	1	EA	\$ 0.11	252	1
253	1	EA	\$ 0.11	253	1
254	1	EA	\$ 0.11	25	

SOCIETY + AERIAL

Terminal Costs

Outdoor SAIK® ross Connector

### BCPM Loop Cost Inputs

#### Fiber - Buried

	DENSITY 6-100	DENSITY 101-200	DENSITY 201-400	DENSITY 401-800
238	\$ 19.10	\$ 19.10	\$ 19.10	\$ 19.10
144	\$ 9.55	\$ 9.55	\$ 9.55	\$ 9.55
96	\$ 5.36	\$ 5.38	\$ 5.38	\$ 5.38
72	\$ 4.15	\$ 4.15	\$ 4.15	\$ 4.15
60	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50
48	\$ 2.95	\$ 2.75	\$ 2.95	\$ 2.95
36	\$ 2.38	\$ 2.38	\$ 2.38	\$ 2.38
24	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94
18	\$ 1.54	\$ 1.54	\$ 1.54	\$ 1.54
12	\$ 1.22	\$ 1.22	\$ 1.22	\$ 1.22

#### Fiber - Aerial

	DENSITY 6-100	DENSITY 101-200	DENSITY 201-400	DENSITY 401-800
238	\$ 20.52	\$ 20.52	\$ 20.52	\$ 20.52
144	\$ 10.26	\$ 10.26	\$ 10.26	\$ 10.26
96	\$ 5.78	\$ 5.78	\$ 5.78	\$ 5.78
72	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
60	\$ 3.76	\$ 3.76	\$ 3.76	\$ 3.76
48	\$ 3.17	\$ 3.17	\$ 3.17	\$ 3.17
36	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
24	\$ 2.08	\$ 2.08	\$ 2.08	\$ 2.08
18	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65
12	\$ 1.31	\$ 1.31	\$ 1.31	\$ 1.31

#### Terminal Costs

##### Outdoor SAI/Cross Connector

	DENSITY 6-100	DENSITY 101-200	DENSITY 201-400	DENSITY 401-800
25	\$ -	\$ -	\$ -	\$ -
50	\$ -	\$ -	\$ -	\$ -
100	\$ 3,443.58	\$ 3,443.58	\$ 3,443.58	\$ 3,443.58
200	\$ 3,443.58	\$ 3,443.58	\$ 3,443.58	\$ 3,443.58
300	\$ 4,144.83	\$ 4,144.83	\$ 4,144.83	\$ 4,144.83
400	\$ 4,846.09	\$ 4,846.09	\$ 4,846.09	\$ 4,846.09
600	\$ 6,708.30	\$ 6,708.30	\$ 6,708.30	\$ 6,708.30
900	\$ 8,904.50	\$ 8,904.50	\$ 8,904.50	\$ 8,904.50
1200	\$ 11,295.55	\$ 11,295.55	\$ 11,295.55	\$ 11,295.55
1800	\$ 14,975.16	\$ 14,975.16	\$ 14,975.16	\$ 14,975.16
2100	\$ 17,568.01	\$ 17,568.01	\$ 17,568.01	\$ 17,568.01
2400	\$ 20,158.79	\$ 20,158.79	\$ 20,158.79	\$ 20,158.79
3000	\$ 23,617.28	\$ 23,617.28	\$ 23,617.28	\$ 23,617.28
3600	\$ 29,812.72	\$ 29,812.72	\$ 29,812.72	\$ 29,812.72
4200	\$ 29,531.83	\$ 29,531.83	\$ 29,531.83	\$ 29,531.83

## BCPM Loop Cost Inputs

## Indoor SAI/Building (Includes cost of protection)

Loop Type	Loop ID	Loop Description	Loop Length (ft)	Loop Cost (\$)
SAI	1	SAI - 1	5	\$ 274.90
SAI	2	SAI - 2	5	\$ 1,061.11
SAI	3	SAI - 3	5	\$ 18.49
SAI	4	SAI - 4	5	\$ 816.43
SAI	5	SAI - 5	5	\$ 1,204.06
SAI	6	SAI - 6	5	\$ 566.29
SAI	7	SAI - 7	5	\$ 2,656.19
SAI	8	SAI - 8	5	\$ 5,712.33
SAI	9	SAI - 9	5	\$ 1,698.47
SAI	10	SAI - 10	5	\$ 362.87
SAI	11	SAI - 11	5	\$ 2,469.34
SAI	12	SAI - 12	5	\$ 69.48
SAI	13	SAI - 13	5	\$ 3,183.12
SAI	14	SAI - 14	5	\$ 2,469.34
SAI	15	SAI - 15	5	\$ 69.48
SAI	16	SAI - 16	5	\$ 3,265.78
SAI	17	SAI - 17	5	\$ 483.82
SAI	18	SAI - 18	5	\$ 2,265.16
SAI	19	SAI - 19	5	\$ 1,397.74
SAI	20	SAI - 20	5	\$ 17,137.13
SAI	21	SAI - 21	5	\$ 7,348.03
SAI	22	SAI - 22	5	\$ 1,048.80
SAI	23	SAI - 23	5	\$ 5,096.61
SAI	24	SAI - 24	5	\$ 25,295.73
SAI	25	SAI - 25	5	\$ 1,733.28
SAI	26	SAI - 26	5	\$ 197.91
SAI	27	SAI - 27	5	\$ 9,797.73
SAI	28	SAI - 28	5	\$ 1,431.66
SAI	29	SAI - 29	5	\$ 4,795.48
SAI	30	SAI - 30	5	\$ 2,177.19
SAI	31	SAI - 31	5	\$ 10,193.23
SAI	32	SAI - 32	5	\$ 50,386.78
SAI	33	SAI - 33	5	\$ 59,203.13
SAI	34	SAI - 34	5	\$ 11,892.09
SAI	35	SAI - 35	5	\$ 13,590.96
SAI	36	SAI - 36	5	\$ 64,548.60
SAI	37	SAI - 37	5	\$ 16,588.71
SAI	38	SAI - 38	5	\$ 83,543.76
SAI	39	SAI - 39	5	\$ 102,822.94
SAI	40	SAI - 40	5	\$ 119,960.06
SAI	41	SAI - 41	5	\$ 44,366.49
SAI	42	SAI - 42	5	\$ 692.74
SAI	43	SAI - 43	5	\$ 34,290.80
SAI	44	SAI - 44	5	\$ 5,080.12
SAI	45	SAI - 45	5	\$ 23,784.19

## Aerial Drop Terminal Cost

Loop Type	Loop ID	Loop Description	Loop Length (ft)	Loop Cost (\$)
Aerial Drop	1	Aerial Drop - 1	5	\$ -
Aerial Drop	2	Aerial Drop - 2	5	\$ -
Aerial Drop	3	Aerial Drop - 3	5	\$ -
Aerial Drop	4	Aerial Drop - 4	5	\$ -
Aerial Drop	5	Aerial Drop - 5	5	\$ -
Aerial Drop	6	Aerial Drop - 6	5	\$ -
Aerial Drop	7	Aerial Drop - 7	5	\$ -
Aerial Drop	8	Aerial Drop - 8	5	\$ -
Aerial Drop	9	Aerial Drop - 9	5	\$ -
Aerial Drop	10	Aerial Drop - 10	5	\$ -
Aerial Drop	11	Aerial Drop - 11	5	\$ -
Aerial Drop	12	Aerial Drop - 12	5	\$ -
Aerial Drop	13	Aerial Drop - 13	5	\$ -

## Buried Drop Terminal Cost (Encapsulated or Pedestal)

Loop Type	Loop ID	Loop Description	Loop Length (ft)	Loop Cost (\$)
Buried	1	Buried - 1	5	\$ -
Buried	2	Buried - 2	5	\$ -
Buried	3	Buried - 3	5	\$ -
Buried	4	Buried - 4	5	\$ -
Buried	5	Buried - 5	5	\$ -
Buried	6	Buried - 6	5	\$ -
Buried	7	Buried - 7	5	\$ -
Buried	8	Buried - 8	5	\$ -
Buried	9	Buried - 9	5	\$ -
Buried	10	Buried - 10	5	\$ -
Buried	11	Buried - 11	5	\$ -
Buried	12	Buried - 12	5	\$ -
Buried	13	Buried - 13	5	\$ -

ICCPM Loop Cost Input

### **Indoor Sailing (Includes a**

www.achildrop.com

Buried Drop Terminal Cost (Est.)

THE JOURNAL OF CLIMATE

UCPM Loop Cost Inputs

### **Indoor S.A./Building (Includes c**

AeroDrag (continued)

#### Buried Drop Terminal Cost (\$/m)

## BCPM Loop Cost Inputs

## Cable Costs

14 Gauge Cable - Underground Copper

Length	Foot Cost	Lineal Cost
1000	\$ 19.67	\$ 19.67
100	\$ 16.86	\$ 16.86
500	\$ 14.05	\$ 14.05
250	\$ 11.94	\$ 11.94
125	\$ 11.74	\$ 11.74
62.5	\$ 11.23	\$ 11.23
31.25	\$ 10.71	\$ 10.71
15.625	\$ 7.16	\$ 7.16
7.8125	\$ 4.90	\$ 4.90
3.90625	\$ 4.22	\$ 4.22
1.953125	\$ 2.57	\$ 2.57
.9765625	\$ 2.05	\$ 2.05
.48828125	\$ 1.37	\$ 1.37
.244140625	\$ 0.68	\$ 0.68
.1220703125	\$ 0.34	\$ 0.34
.06103515625	\$ 0.17	\$ 0.17
.030517578125	\$ 0.17	\$ 0.17
.0152587890625	\$ 0.08	\$ 0.08
.00762939453125	\$ 0.04	\$ 0.04
.003814697265625	\$ 0.02	\$ 0.02
.0019073486328125	\$ 0.01	\$ 0.01
.00095367431640625	\$ 0.01	\$ 0.01
.000476837158203125	\$ 0.01	\$ 0.01
.0002384185791015625	\$ 0.01	\$ 0.01
.00012320928955078125	\$ 0.01	\$ 0.01
.000061604644775390625	\$ 0.01	\$ 0.01
.0000308023223876953125	\$ 0.01	\$ 0.01
.00001540116119384765625	\$ 0.01	\$ 0.01
.000007700580596923828125	\$ 0.01	\$ 0.01
.0000038502902984619140625	\$ 0.01	\$ 0.01
.0000019251451492309573125	\$ 0.01	\$ 0.01
.00000096257257466547865625	\$ 0.01	\$ 0.01
.000000481286287332739328125	\$ 0.01	\$ 0.01
.0000002406431436661896640625	\$ 0.01	\$ 0.01
.00000012032157183309483203125	\$ 0.01	\$ 0.01
.00000006016078591665471615625	\$ 0.01	\$ 0.01
.000000030080392958327358078125	\$ 0.01	\$ 0.01
.0000000150401964791636790390625	\$ 0.01	\$ 0.01
.00000000752009823958183951953125	\$ 0.01	\$ 0.01
.000000003760049119790919759765625	\$ 0.01	\$ 0.01
.0000000018800245598954598798828125	\$ 0.01	\$ 0.01
.0000000009400122799477299399415625	\$ 0.01	\$ 0.01
.00000000047000613997386496997078125	\$ 0.01	\$ 0.01
.00000000023500306998693248498540625	\$ 0.01	\$ 0.01
.0000000001175015349934662424777390625	\$ 0.01	\$ 0.01
.00000000005875076749673312123886953125	\$ 0.01	\$ 0.01
.000000000029375383748366560619434765625	\$ 0.01	\$ 0.01
.000000000014687791874183280307218828125	\$ 0.01	\$ 0.01
.000000000007343895937091640153609440625	\$ 0.01	\$ 0.01
.00000000000367194796854582007680472390625	\$ 0.01	\$ 0.01
.000000000001835973984272910038402361953125	\$ 0.01	\$ 0.01
.0000000000009179869921364550192011809765625	\$ 0.01	\$ 0.01
.00000000000045899349606822750960059049440625	\$ 0.01	\$ 0.01
.0000000000002294967480341137548002952472390625	\$ 0.01	\$ 0.01
.00000000000011474837401755687440014762361953125	\$ 0.01	\$ 0.01
.000000000000057374187008778437200073811809765625	\$ 0.01	\$ 0.01
.0000000000000286870935043892186000369059049440625	\$ 0.01	\$ 0.01
.000000000000014343546752195109300018452952361953125	\$ 0.01	\$ 0.01
.000000000000007171773376097555150000922647611809765625	\$ 0.01	\$ 0.01
.0000000000000035858866880487775750004613238059049440625	\$ 0.01	\$ 0.01
.000000000000001792943344024388787500230661902952361953125	\$ 0.01	\$ 0.01
.0000000000000008964716720121944937500115301014762361953125	\$ 0.01	\$ 0.01
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.0000000000000002241179180030486234375000288253562361953125	\$ 0.01	\$ 0.01
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.0000000000000000035018424687500004764196187500004503952361953125	\$ 0.01	\$ 0.01
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.000000000000000000437730308593750000059536857812500005625952361953125	\$ 0.01	\$ 0.01
.000000000000000000218865154293750000029768429687500002812952361953125	\$ 0.01	\$ 0.01
.000000000000000000109432577148437500001488421484375000014062952361953125	\$ 0.01	\$ 0.01
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.0000000000000000000017098830179443359375000022498147944335937500002023952361953125	\$ 0.01	\$ 0.01
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.00000000000000000000021373537724257812500000032070307724257812500000287952361953125	\$ 0.01	\$ 0.01
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.0000000000000000000000267169221532226562500000090477453125000000814952361953125	\$ 0.01	\$ 0.01
.000000000000000000000013358461106611315625000000451921166113156250000004124952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000066792305533056578125000000217307053305657812500000019624952361953125	\$ 0.01	\$ 0.01
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.000000000000000000000000834903819163207187500000002597305191632071875000000234324952361953125	\$ 0.01	\$ 0.01
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.0000000000000000000000002087259547908017812500000006494359801781250000000585824952361953125	\$ 0.01	\$ 0.01
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.000000000000000000000000000203833940538164062500000060177940538164062500000000548952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000010191697026908203125000003005569702690820312500000002744952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000005095848501345105625000001528754501345105625000000013724952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000254792425067252656250000076437542506725265625000000068624952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000001273962125336264062500000382188125336264062500000003331952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000063698106266813125000000191094106266813125000000001665952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000318490531334065625000000955301531334065625000000008324952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000015924526566703281250000004774562656670328125000000040624952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000007962263283351640625000002388181283351640625000000020564952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000003981131641675820312500001194339164167582031250000000104824952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000001990565820137912500000060351858201379125000000005241952361953125	\$ 0.01	\$ 0.01
.000000000000000000000000000000099528291006895312500000298584910068953125000000024964952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000004976414550344765625000014929245503447656250000000134824952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000002488207275172381250000074646227517238125000000006491952361953125	\$ 0.01	\$ 0.01
.000000000000000000000000000000012441036375869125000003732316375869125000000003045952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000622051818793456250000186615581879345625000000001617952361953125	\$ 0.01	\$ 0.01
.000000000000000000000000000000003110259093967256250000093338390939672562500000000798952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000155512954698362812500000467709546983628125000000003991952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000000007775647734918125000002332795734918125000000002095952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000038878238695593125000001166347869559312500000000104824952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000019439119347796562500000647970193477965625000000001617952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000000000971955969899820312500000323985969899820312500000000134824952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000004859779849499125000001619923984949912500000000104824952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000002429889924749531250000080996299247495312500000000798952361953125	\$ 0.01	\$ 0.01
.0000000000000000000000000000000000121494496237476562500000403314962374765625000000006491952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000000607472481187381250000020249048118738125000000003991952361953125	\$ 0.01	\$ 0.01
.000000000000000000000000000000000003037362405939125000001012454205939125000000002095952361953125	\$ 0.01	\$ 0.01
.00000000000000000000000000000000000151868120296956250000005062271202969562500000000134824952361953125	\$ 0.01	\$ 0.01
.000000000000000000000000000000000000759340601483481250000002531095014834812500000000104824952361953125	\$ 0.01	\$ 0.01
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## BCPM Loop Cost Inputs

## Cable Costs

24 Gauge Cable - Underground

Length	Cost
\$ 47.61	\$ 47.61
\$ 70.41	\$ 70.41
\$ 99.01	\$ 99.01
\$ 14.00	\$ 14.00
\$ 55.54	\$ 55.54
\$ 43.07	\$ 43.07
\$ 20.09	\$ 20.09
\$ 24.23	\$ 24.23
\$ 17.74	\$ 17.74
\$ 10.80	\$ 10.80
\$ 8.62	\$ 8.62
\$ 5.75	\$ 5.75
\$ 2.87	\$ 2.87
\$ 1.44	\$ 1.44
\$ 0.72	\$ 0.72
\$ 0.72	\$ 0.72
\$ 0.72	\$ 0.72

24 Gauge Cable - Dual Sheath "

Length	Cost
\$ 106.84	\$ 106.84
\$ 91.58	\$ 91.58
\$ 76.32	\$ 76.32
\$ 61.05	\$ 61.05
\$ 53.42	\$ 53.42
\$ 45.79	\$ 45.79
\$ 30.51	\$ 30.51
\$ 22.93	\$ 22.93
\$ 15.39	\$ 15.39
\$ 10.57	\$ 10.57
\$ 7.16	\$ 7.16
\$ 5.47	\$ 5.47
\$ 2.87	\$ 2.87
\$ 1.57	\$ 1.57
\$ 1.11	\$ 1.11
\$ 1.11	\$ 1.11
\$ 1.11	\$ 1.11

## BCPM Loop Cost Inputs

24 Gauge Cable - Aerial

Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost
23.70	\$ 26.54	1.54	\$ 64.36	5.63	\$ 30.67	5	186.67														
22.03	\$ 48.46	1.32	\$ 57.06	4.85	\$ 4.85	5	139.49														
20.50	\$ 11.10	1.10	\$ 47.53	4.04	\$ 21.48	5	132.91														
19.00	\$ 14.69	12.31	\$ 9.88	3.23	\$ 17.18	5	106.33														
17.50	\$ 28.27	0.77	\$ 31.28	2.83	\$ 15.03	5	91.04														
16.00	\$ 11.01	24.23	\$ 0.66	28.53	\$ 2.42	5	12.49														
14.50	\$ 7.33	16.19	\$ 0.44	19.03	\$ 1.62	5	8.60														
13.00	\$ 5.37	11.82	\$ 0.32	13.91	\$ 1.18	5	6.28														
11.50	\$ 3.82	7.96	\$ 0.22	9.37	\$ 0.80	5	4.23														
10.00	\$ 2.34	3.19	\$ 0.14	6.12	\$ 0.52	5	2.76														
8.50	\$ 1.79	1.79	\$ 0.11	4.65	\$ 0.39	5	2.10														
7.00	\$ 1.26	2.76	\$ 0.08	3.25	\$ 0.28	5	1.47														
5.50	\$ 0.71	1.98	\$ 0.04	1.86	\$ 0.18	5	0.84														
4.00	\$ 0.45	0.98	\$ 0.03	1.15	\$ 0.13	5	0.52														
2.50	\$ 0.29	0.63	\$ 0.02	0.76	\$ 0.06	5	0.34														
1.00	\$ 0.29	0.63	\$ 0.02	0.76	\$ 0.06	5	0.34														
0.50	\$ 0.29	0.63	\$ 0.02	0.76	\$ 0.06	5	0.34														
0.25	\$ 0.29	0.63	\$ 0.02	0.76	\$ 0.06	5	0.34														
0.12	\$ 0.29	0.63	\$ 0.02	0.76	\$ 0.06	5	0.34														

26 Gauge Cable - Underground Copper

Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost
21.51	\$ 11.54	1.31	\$ 4.54	2.84	\$ 11.54	5	101.62														
20.00	\$ 18.69	15.89	\$ 1.12	29.67	\$ 2.43	5	87.11														
18.50	\$ 13.31	9.94	\$ 0.94	22.72	\$ 2.03	5	82.30														
17.00	\$ 9.88	8.40	\$ 0.59	20.66	\$ 1.29	5	5.24														
15.50	\$ 8.37	7.23	\$ 0.31	17.91	\$ 1.11	5	4.54														
14.00	\$ 7.23	6.23	\$ 0.44	13.37	\$ 0.96	5	3.90														
12.50	\$ 6.08	4.33	\$ 0.20	10.62	\$ 0.66	5	2.69														
11.00	\$ 5.93	3.14	\$ 0.24	8.21	\$ 0.51	5	2.04														
9.50	\$ 3.16	2.68	\$ 0.19	6.60	\$ 0.41	5	1.67														
8.00	\$ 2.37	2.19	\$ 0.13	3.37	\$ 0.23	5	1.36														
6.50	\$ 2.05	1.74	\$ 0.12	4.29	\$ 0.27	5	1.09														
5.00	\$ 1.37	1.16	\$ 0.08	2.86	\$ 0.18	5	0.73														
3.50	\$ 0.68	0.59	\$ 0.04	1.43	\$ 0.08E-02	5	0.36														
2.00	\$ 0.34	0.29	\$ 0.02	0.72	\$ 4.45E-02	5	0.18														
1.00	\$ 0.17	0.13	\$ 0.01	0.36	\$ 9.07E-02	5	0.08														
0.50	\$ 0.17	0.13	\$ 0.01	0.36	\$ 2.23E-02	5	0.08														
0.25	\$ 0.17	0.13	\$ 0.01	0.36	\$ 9.07E-02	5	0.08														

BC-PM Loop Cost Inputs

24 Gauge Cable - Aerial

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## BCP/M Loop Cost Inputs

**26 Gauge Cable - Dual Strath "Filled" Buried Copper**

Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost
20 ft	\$ 16.83	100 ft	\$ 83.58	200 ft	\$ 73.36	500 ft	\$ 63.13	1000 ft	\$ 48.90
400 ft	\$ 44.43	2000 ft	\$ 42.17	3000 ft	\$ 36.32	5000 ft	\$ 24.67	10000 ft	\$ 18.05
6000 ft	\$ 17.51	10000 ft	\$ 12.29	20000 ft	\$ 11.29	30000 ft	\$ 10.71	50000 ft	\$ 9.71
40000 ft	\$ 9.62	100000 ft	\$ 8.71	200000 ft	\$ 7.14	300000 ft	\$ 6.31	500000 ft	\$ 5.31
600000 ft	\$ 4.73	1000000 ft	\$ 4.14	2000000 ft	\$ 3.53	3000000 ft	\$ 3.14	5000000 ft	\$ 2.76
6000000 ft	\$ 2.42	10000000 ft	\$ 2.26	20000000 ft	\$ 1.94	30000000 ft	\$ 1.75	50000000 ft	\$ 1.55
60000000 ft	\$ 2.05	100000000 ft	\$ 1.71	200000000 ft	\$ 1.44	300000000 ft	\$ 1.24	500000000 ft	\$ 1.14
600000000 ft	\$ 1.48	1000000000 ft	\$ 1.14	2000000000 ft	\$ 1.04	3000000000 ft	\$ 0.94	5000000000 ft	\$ 0.84
6000000000 ft	\$ 1.14	10000000000 ft	\$ 0.94	20000000000 ft	\$ 0.84	30000000000 ft	\$ 0.74	50000000000 ft	\$ 0.64

**26 Gauge Cable - Aerial**

Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost
20 ft	\$ 13.55	100 ft	\$ 63.83	200 ft	\$ 54.39	500 ft	\$ 42.78	1000 ft	\$ 38.54
400 ft	\$ 34.39	2000 ft	\$ 15.84	3000 ft	\$ 15.84	5000 ft	\$ 14.42	10000 ft	\$ 10.42
6000 ft	\$ 14.42	20000 ft	\$ 9.22	30000 ft	\$ 9.22	50000 ft	\$ 8.62	100000 ft	\$ 7.94
80000 ft	\$ 8.62	200000 ft	\$ 7.94	300000 ft	\$ 7.94	500000 ft	\$ 7.41	1000000 ft	\$ 6.71
1000000 ft	\$ 7.94	2000000 ft	\$ 7.41	3000000 ft	\$ 7.41	5000000 ft	\$ 6.94	10000000 ft	\$ 6.31
12000000 ft	\$ 7.41	20000000 ft	\$ 6.94	30000000 ft	\$ 6.94	50000000 ft	\$ 6.47	100000000 ft	\$ 5.86
140000000 ft	\$ 6.94	200000000 ft	\$ 6.47	300000000 ft	\$ 6.47	500000000 ft	\$ 6.00	1000000000 ft	\$ 5.38
1600000000 ft	\$ 6.47	2000000000 ft	\$ 5.93	3000000000 ft	\$ 5.93	5000000000 ft	\$ 5.56	10000000000 ft	\$ 4.94
18000000000 ft	\$ 5.93	20000000000 ft	\$ 5.43	30000000000 ft	\$ 5.43	50000000000 ft	\$ 5.06	100000000000 ft	\$ 4.47
200000000000 ft	\$ 5.43	200000000000 ft	\$ 4.94	300000000000 ft	\$ 4.94	500000000000 ft	\$ 4.57	1000000000000 ft	\$ 4.00
2200000000000 ft	\$ 4.94	2000000000000 ft	\$ 4.47	3000000000000 ft	\$ 4.47	5000000000000 ft	\$ 4.10	10000000000000 ft	\$ 3.53
24000000000000 ft	\$ 4.47	20000000000000 ft	\$ 4.00	30000000000000 ft	\$ 4.00	50000000000000 ft	\$ 3.73	100000000000000 ft	\$ 3.14
260000000000000 ft	\$ 3.93	200000000000000 ft	\$ 3.53	300000000000000 ft	\$ 3.53	500000000000000 ft	\$ 3.26	1000000000000000 ft	\$ 2.76
2800000000000000 ft	\$ 3.53	2000000000000000 ft	\$ 3.14	3000000000000000 ft	\$ 3.14	5000000000000000 ft	\$ 2.87	10000000000000000 ft	\$ 2.38
30000000000000000 ft	\$ 3.14	20000000000000000 ft	\$ 2.76	30000000000000000 ft	\$ 2.76	50000000000000000 ft	\$ 2.50	100000000000000000 ft	\$ 2.00
320000000000000000 ft	\$ 2.76	200000000000000000 ft	\$ 2.38	300000000000000000 ft	\$ 2.38	500000000000000000 ft	\$ 2.12	1000000000000000000 ft	\$ 1.64
3400000000000000000 ft	\$ 2.38	2000000000000000000 ft	\$ 2.00	3000000000000000000 ft	\$ 2.00	5000000000000000000 ft	\$ 1.75	10000000000000000000 ft	\$ 1.24
36000000000000000000 ft	\$ 2.00	20000000000000000000 ft	\$ 1.64	30000000000000000000 ft	\$ 1.64	50000000000000000000 ft	\$ 1.47	100000000000000000000 ft	\$ 1.00
380000000000000000000 ft	\$ 1.64	200000000000000000000 ft	\$ 1.31	300000000000000000000 ft	\$ 1.31	500000000000000000000 ft	\$ 1.21	1000000000000000000000 ft	\$ 0.75
4000000000000000000000 ft	\$ 1.31	2000000000000000000000 ft	\$ 1.00	3000000000000000000000 ft	\$ 1.00	5000000000000000000000 ft	\$ 0.90	10000000000000000000000 ft	\$ 0.50
42000000000000000000000 ft	\$ 1.00	20000000000000000000000 ft	\$ 0.75	30000000000000000000000 ft	\$ 0.75	50000000000000000000000 ft	\$ 0.65	100000000000000000000000 ft	\$ 0.35
440000000000000000000000 ft	\$ 0.75	200000000000000000000000 ft	\$ 0.50	300000000000000000000000 ft	\$ 0.50	500000000000000000000000 ft	\$ 0.40	1000000000000000000000000 ft	\$ 0.20
4600000000000000000000000 ft	\$ 0.50	2000000000000000000000000 ft	\$ 0.35	3000000000000000000000000 ft	\$ 0.35	5000000000000000000000000 ft	\$ 0.25	10000000000000000000000000 ft	\$ 0.10
48000000000000000000000000 ft	\$ 0.35	20000000000000000000000000 ft	\$ 0.20	30000000000000000000000000 ft	\$ 0.20	50000000000000000000000000 ft	\$ 0.15	100000000000000000000000000 ft	\$ 0.05
500000000000000000000000000 ft	\$ 0.20	200000000000000000000000000 ft	\$ 0.13	300000000000000000000000000 ft	\$ 0.13	500000000000000000000000000 ft	\$ 0.10	1000000000000000000000000000 ft	\$ 0.02
5200000000000000000000000000 ft	\$ 0.13	2000000000000000000000000000 ft	\$ 0.08	3000000000000000000000000000 ft	\$ 0.08	5000000000000000000000000000 ft	\$ 0.06	10000000000000000000000000000 ft	\$ 0.01
54000000000000000000000000000 ft	\$ 0.08	20000000000000000000000000000 ft	\$ 0.05	30000000000000000000000000000 ft	\$ 0.05	50000000000000000000000000000 ft	\$ 0.04	100000000000000000000000000000 ft	\$ 0.005
560000000000000000000000000000 ft	\$ 0.05	200000000000000000000000000000 ft	\$ 0.03	300000000000000000000000000000 ft	\$ 0.03	500000000000000000000000000000 ft	\$ 0.02	1000000000000000000000000000000 ft	\$ 0.002
5800000000000000000000000000000 ft	\$ 0.03	2000000000000000000000000000000 ft	\$ 0.02	3000000000000000000000000000000 ft	\$ 0.02	5000000000000000000000000000000 ft	\$ 0.015	10000000000000000000000000000000 ft	\$ 0.001
60000000000000000000000000000000 ft	\$ 0.02	20000000000000000000000000000000 ft	\$ 0.01	30000000000000000000000000000000 ft	\$ 0.01	50000000000000000000000000000000 ft	\$ 0.01	100000000000000000000000000000000 ft	\$ 0.0005
620000000000000000000000000000000 ft	\$ 0.01	200000000000000000000000000000000 ft	\$ 0.005	300000000000000000000000000000000 ft	\$ 0.005	5000000000000000000000000000000000 ft	\$ 0.002	10000000000000000000000000000000000 ft	\$ 0.0002

## BCPM Loop Cost Inputs

**26 Gauge Cable - Dual Sheath "**

Length	Unit	Cost									
4000	\$	85.34	4000	\$	85.34	4000	\$	85.34	4000	\$	85.34
3000	\$	71.36	3000	\$	71.36	3000	\$	71.36	3000	\$	71.36
2000	\$	63.13	2000	\$	63.13	2000	\$	63.13	2000	\$	63.13
1600	\$	48.90	1600	\$	48.90	1600	\$	48.90	1600	\$	48.90
1200	\$	42.17	1200	\$	42.17	1200	\$	42.17	1200	\$	42.17
1000	\$	36.12	1000	\$	36.12	1000	\$	36.12	1000	\$	36.12
700	\$	24.07	700	\$	24.07	700	\$	24.07	700	\$	24.07
600	\$	18.05	600	\$	18.05	600	\$	18.05	600	\$	18.05
500	\$	12.29	500	\$	12.29	500	\$	12.29	500	\$	12.29
400	\$	8.71	400	\$	8.71	400	\$	8.71	400	\$	8.71
300	\$	6.31	300	\$	6.31	300	\$	6.31	300	\$	6.31
200	\$	4.38	200	\$	4.38	200	\$	4.38	200	\$	4.38
150	\$	2.36	150	\$	2.36	150	\$	2.36	150	\$	2.36
100	\$	1.33	100	\$	1.33	100	\$	1.33	100	\$	1.33
80	\$	1.14	80	\$	1.14	80	\$	1.14	80	\$	1.14
70	\$	1.14	70	\$	1.14	70	\$	1.14	70	\$	1.14
60	\$	1.14	60	\$	1.14	60	\$	1.14	60	\$	1.14
50	\$	1.14	50	\$	1.14	50	\$	1.14	50	\$	1.14
40	\$	1.14	40	\$	1.14	40	\$	1.14	40	\$	1.14
30	\$	1.14	30	\$	1.14	30	\$	1.14	30	\$	1.14
20	\$	1.14	20	\$	1.14	20	\$	1.14	20	\$	1.14
10	\$	1.14	10	\$	1.14	10	\$	1.14	10	\$	1.14
5	\$	1.14	5	\$	1.14	5	\$	1.14	5	\$	1.14

**26 Gauge Cable - Aerial**

Length	Unit	Cost									
4000	\$	138.83	4000	\$	138.83	4000	\$	138.83	4000	\$	138.83
3000	\$	110.42	3000	\$	110.42	3000	\$	110.42	3000	\$	110.42
2000	\$	92.02	2000	\$	92.02	2000	\$	92.02	2000	\$	92.02
1600	\$	79.46	1600	\$	79.46	1600	\$	79.46	1600	\$	79.46
1200	\$	69.53	1200	\$	69.53	1200	\$	69.53	1200	\$	69.53
1000	\$	58.66	1000	\$	58.66	1000	\$	58.66	1000	\$	58.66
700	\$	39.38	700	\$	39.38	700	\$	39.38	700	\$	39.38
600	\$	29.41	600	\$	29.41	600	\$	29.41	600	\$	29.41
500	\$	19.94	500	\$	19.94	500	\$	19.94	500	\$	19.94
400	\$	13.26	400	\$	13.26	400	\$	13.26	400	\$	13.26
300	\$	10.71	300	\$	10.71	300	\$	10.71	300	\$	10.71
200	\$	7.74	200	\$	7.74	200	\$	7.74	200	\$	7.74
100	\$	4.70	100	\$	4.70	100	\$	4.70	100	\$	4.70
50	\$	3.13	50	\$	3.13	50	\$	3.13	50	\$	3.13
25	\$	2.22	25	\$	2.22	25	\$	2.22	25	\$	2.22
10	\$	2.22	10	\$	2.22	10	\$	2.22	10	\$	2.22
5	\$	2.22	5	\$	2.22	5	\$	2.22	5	\$	2.22

## BCPM Loop Cost Inputs

26 Gauge Cable - Dual Sheath "

Length	Unit Price	Unit Price	Unit Price	Unit Price
\$ 12.29	\$ 85.58	\$ 85.58	\$ 85.58	\$ 85.58
\$ 12.29	\$ 71.26	\$ 71.26	\$ 71.26	\$ 71.26
\$ 12.29	\$ 63.13	\$ 63.13	\$ 63.13	\$ 63.13
\$ 12.29	\$ 44.90	\$ 44.90	\$ 44.90	\$ 44.90
\$ 12.29	\$ 42.17	\$ 42.17	\$ 42.17	\$ 42.17
\$ 12.29	\$ 36.32	\$ 36.32	\$ 36.32	\$ 36.32
\$ 12.29	\$ 24.07	\$ 24.07	\$ 24.07	\$ 24.07
\$ 12.29	\$ 18.03	\$ 18.03	\$ 18.03	\$ 18.03
\$ 12.29	\$ 12.29	\$ 12.29	\$ 12.29	\$ 12.29
\$ 12.29	\$ 8.71	\$ 8.71	\$ 8.71	\$ 8.71
\$ 12.29	\$ 6.31	\$ 6.31	\$ 6.31	\$ 6.31
\$ 12.29	\$ 4.34	\$ 4.34	\$ 4.34	\$ 4.34
\$ 12.29	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36
\$ 12.29	\$ 1.35	\$ 1.35	\$ 1.35	\$ 1.35
\$ 12.29	\$ 1.14	\$ 1.14	\$ 1.14	\$ 1.14
\$ 12.29	\$ 1.14	\$ 1.14	\$ 1.14	\$ 1.14
\$ 12.29	\$ 1.14	\$ 1.14	\$ 1.14	\$ 1.14

26 Gauge Cable - Aerial

Length	Unit Price	Unit Price	Unit Price	Unit Price
\$ 12.29	\$ 124.83	\$ 124.83	\$ 124.83	\$ 124.83
\$ 12.29	\$ 110.42	\$ 110.42	\$ 110.42	\$ 110.42
\$ 12.29	\$ 92.02	\$ 92.02	\$ 92.02	\$ 92.02
\$ 12.29	\$ 79.46	\$ 79.46	\$ 79.46	\$ 79.46
\$ 12.29	\$ 69.53	\$ 69.53	\$ 69.53	\$ 69.53
\$ 12.29	\$ 54.66	\$ 54.66	\$ 54.66	\$ 54.66
\$ 12.29	\$ 39.38	\$ 39.38	\$ 39.38	\$ 39.38
\$ 12.29	\$ 29.41	\$ 29.41	\$ 29.41	\$ 29.41
\$ 12.29	\$ 19.94	\$ 19.94	\$ 19.94	\$ 19.94
\$ 12.29	\$ 13.26	\$ 13.26	\$ 13.26	\$ 13.26
\$ 12.29	\$ 10.71	\$ 10.71	\$ 10.71	\$ 10.71
\$ 12.29	\$ 7.74	\$ 7.74	\$ 7.74	\$ 7.74
\$ 12.29	\$ 4.70	\$ 4.70	\$ 4.70	\$ 4.70
\$ 12.29	\$ 3.13	\$ 3.13	\$ 3.13	\$ 3.13
\$ 12.29	\$ 2.22	\$ 2.22	\$ 2.22	\$ 2.22
\$ 12.29	\$ 2.22	\$ 2.22	\$ 2.22	\$ 2.22

BCPM Loop Cost Inputs

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## BCPM Loop Cost Inputs

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## BCPM Structure Inputs

## Normal Structure

## Normal - Feeder Conduit

		DENSITY 101-200	DENSITY 201-400
Trench & Backfill	\$ 6.99	44.00% \$ 99.00% \$ 1.18	35.00% \$ 92.50% \$ 2.26
Rocky Trench	\$ 6.99	0.00% \$ 99.00% \$ -	0.00% \$ 92.50% \$ -
Backhoe Trench	\$ 6.99	10.00% \$ 99.00% \$ 2.04	11.00% \$ 92.50% \$ 2.11
Hand Dig Trench	\$ 6.99	1.00% \$ 99.00% \$ 0.35	1.00% \$ 92.50% \$ 0.19
Boring	\$ 54.62	4.00% \$ 99.00% \$ 2.16	4.00% \$ 92.50% \$ 2.02
Cut & Restore Asphalt	\$ 10.52	5.00% \$ 99.00% \$ 0.52	8.00% \$ 92.50% \$ 0.78
Cut & Restore Concrete	\$ 12.65	4.00% \$ 99.00% \$ 0.50	7.00% \$ 92.50% \$ 0.82
Cut & Restore Soil	\$ 7.80	6.00% \$ 99.00% \$ 0.46	10.00% \$ 92.50% \$ 0.72

## Normal - Distributions Conduit

	DENSITY 101-200	DENSITY 201-400
Trench & Backfill	\$ 6.99	60.00% \$ 99.00% \$ 4.15
Rocky Trench	\$ 6.99	0.00% \$ 99.00% \$ -
Backhoe Trench	\$ 6.99	18.00% \$ 99.00% \$ 1.25
Hand Dig Trench	\$ 6.99	5.00% \$ 99.00% \$ 0.15
Boring	\$ 54.62	7.00% \$ 99.00% \$ 1.08
Cut & Restore Asphalt	\$ 10.52	1.00% \$ 99.00% \$ 0.52
Cut & Restore Concrete	\$ 12.65	4.00% \$ 99.00% \$ 0.50
Cut & Restore Soil	\$ 7.80	6.00% \$ 99.00% \$ 0.46

## Normal - Buried Feeder Cable

	DENSITY 101-200	DENSITY 201-400
Rocky	\$ 2.80	60.00% \$ 100.00% \$ 1.68
Rocky Pipe	\$ 2.80	0.00% \$ 100.00% \$ -
Trench & Backfill	\$ 2.80	10.00% \$ 100.00% \$ 0.28
Rocky Trench	\$ 2.80	0.00% \$ 100.00% \$ -
Backhoe Trench	\$ 2.80	6.00% \$ 100.00% \$ 0.17
Hand Dig Trench	\$ 2.80	5.00% \$ 100.00% \$ 0.14
Base Cable	\$ 25.78	1.00% \$ 100.00% \$ 0.77
Push Pipe & Pull Cable	\$ 26.60	1.00% \$ 100.00% \$ 0.27
Cut & Restore Asphalt	\$ 6.21	5.00% \$ 100.00% \$ 0.31
Cut & Restore Concrete	\$ 8.24	4.00% \$ 100.00% \$ 0.22
Cut & Restore Soil	\$ 3.59	6.00% \$ 100.00% \$ 0.22

## BCPM Structure Inputs

### Normal Structure

#### Normal - Feeder Conduit

			DENSITY 651-850			DENSITY 811-2350		
Trench & Backfill	\$ 6.99	\$ 6.99	27.00%	99.00%	\$ 1.87	27.00%	99.00%	\$ 1.87
Rocky Trench	\$ 6.99	\$ 6.99	0.00%	99.00%	\$ -	0.00%	99.00%	\$ -
Backhoe Trench	\$ 6.99	\$ 6.99	30.00%	99.00%	\$ 2.08	30.00%	99.00%	\$ 2.08
Hand Dig Trench	\$ 6.99	\$ 6.99	6.00%	99.00%	\$ 0.42	6.00%	99.00%	\$ 0.42
Boring	\$ 54.62	\$ 54.62	2.00%	99.00%	\$ 1.08	2.00%	99.00%	\$ 1.08
Cut & Remove Asphalt	\$ 10.52	\$ 10.52	13.00%	99.00%	\$ 1.15	13.00%	99.00%	\$ 1.15
Cut & Remove Concrete	\$ 12.63	\$ 12.63	12.00%	99.00%	\$ 1.50	12.00%	99.00%	\$ 1.50
Cut & Remove Soil	\$ 7.80	\$ 7.80	10.00%	99.00%	\$ 0.77	10.00%	99.00%	\$ 0.77

#### Normal - Distributions Conduit

			DENSITY 651-850			DENSITY 811-2350		
Trench & Backfill	\$ 6.99	\$ 6.99	40.00%	99.00%	\$ 2.77	40.00%	99.00%	\$ 2.77
Rocky Trench	\$ 6.99	\$ 6.99	0.00%	99.00%	\$ -	0.00%	99.00%	\$ -
Backhoe Trench	\$ 6.99	\$ 6.99	7.00%	99.00%	\$ 0.48	7.00%	99.00%	\$ 0.48
Hand Dig Trench	\$ 6.99	\$ 6.99	6.00%	99.00%	\$ 0.42	6.00%	99.00%	\$ 0.42
Boring	\$ 54.62	\$ 54.62	2.00%	99.00%	\$ 1.08	2.00%	99.00%	\$ 1.08
Cut & Remove Asphalt	\$ 10.52	\$ 10.52	13.00%	99.00%	\$ 1.25	13.00%	99.00%	\$ 1.25
Cut & Remove Concrete	\$ 12.63	\$ 12.63	12.00%	99.00%	\$ 1.50	12.00%	99.00%	\$ 1.50
Cut & Remove Soil	\$ 7.80	\$ 7.80	20.00%	99.00%	\$ 1.54	20.00%	99.00%	\$ 1.54

#### Normal - Buried Feeder Cable

			DENSITY 651-850			DENSITY 811-2350		
None	\$ 2.80	\$ 2.80	15.00%	100.00%	\$ 0.42	15.00%	100.00%	\$ 0.42
Rocky Fill	\$ 2.80	\$ 2.80	0.00%	100.00%	\$ -	0.00%	100.00%	\$ -
Trench & Backfill	\$ 2.80	\$ 2.80	26.00%	100.00%	\$ 0.73	26.00%	100.00%	\$ 0.73
Rocky / Trench	\$ 2.80	\$ 2.80	0.00%	100.00%	\$ -	0.00%	100.00%	\$ -
Backhoe Trench	\$ 2.80	\$ 2.80	11.00%	100.00%	\$ 0.11	11.00%	100.00%	\$ 0.11
Hand Dig Trench	\$ 2.80	\$ 2.80	6.00%	100.00%	\$ 0.17	6.00%	100.00%	\$ 0.17
Bore Cable	\$ 23.78	\$ 23.78	2.00%	100.00%	\$ 0.52	2.00%	100.00%	\$ 0.52
Pull Pipe & Pull Cable	\$ 26.60	\$ 26.60	5.00%	100.00%	\$ 1.33	5.00%	100.00%	\$ 1.33
Cut & Remove Asphalt	\$ 6.21	\$ 6.21	13.00%	100.00%	\$ 0.81	13.00%	100.00%	\$ 0.81
Cut & Remove Concrete	\$ 8.28	\$ 8.28	12.00%	100.00%	\$ 0.99	12.00%	100.00%	\$ 0.99
Cut & Remove Soil	\$ 3.59	\$ 3.59	10.00%	100.00%	\$ 0.36	10.00%	100.00%	\$ 0.36

BCPM Structure Inputs

### Normal Structure

Threads & Blockin	\$ 6.99	\$ 3	-	1.00%	99.00%	\$ 0.21
Party Tissue	\$ 0.99	\$ -	-	0.00%	99.00%	\$ -
Double Layer Tissue	\$ 0.99	\$ -	-	15.00%	99.00%	\$ 1.04
Hand Dtg Tissue	\$ 6.99	\$ -	-	8.00%	99.00%	\$ 0.53
Double	\$ -	\$ -	-	-	-	-
Cut & Binding Angels	\$ 10.52	\$ -	-	10.00%	99.00%	\$ 3.41
Cut & Binding Concourse	\$ 13.65	\$ -	-	33.00%	99.00%	\$ 3.44
Cut & Binding Seal	\$ 7.80	\$ -	-	28.00%	99.00%	\$ 3.51
				1.00%	99.00%	\$ 0.23

Normal-Distribution Centroid

Trench & Backfill	\$	6.99	\$	-	1.00%	99.00%	\$	0.21
Rocky Trench	\$	6.99	\$	-	0.00%	99.00%	\$	-
Duckbill Trench	\$	6.99	\$	-	15.00%	99.00%	\$	1.04
Hand Dig Trench	\$	6.99	\$	-	8.00%	99.00%	\$	0.53
Bracing	\$	14.42	\$	-	10.00%	99.00%	\$	3.41
Cut & Backfill Asphalt	\$	10.32	\$	-	11.00%	99.00%	\$	3.44
Cut & Remove Concrete	\$	12.65	\$	-	28.00%	99.00%	\$	3.51
Cut & Remove Sod	\$	7.80	\$	-	3.00%	99.00%	\$	0.23

Normal - Barred Feder Cable

<b>Flow</b>	\$	21.00	\$	0.00%	100.00%	\$	-
<b>Rocky Flume</b>	\$	2.80	\$	0.00%	100.00%	\$	-
<b>Trench &amp; Backfill</b>	\$	2.80	\$	3.00%	100.00%	\$	0.04
<b>Rocky Trench</b>	\$	2.80	\$	0.00%	100.00%	\$	-
<b>Backhoe Trench</b>	\$	2.80	\$	15.00%	100.00%	\$	0.42
<b>Hand Dig Trench</b>	\$	2.80	\$	0.00%	100.00%	\$	0.22
<b>Bore Cable</b>	\$	25.78	\$	10.00%	100.00%	\$	2.58
<b>Push Pipe &amp; Pull Cable</b>	\$	26.00	\$	0.00%	100.00%	\$	-
<b>Cut &amp; Replace Asphalt</b>	\$	6.21	\$	33.00%	100.00%	\$	2.05
<b>Cut &amp; Replace Concrete</b>	\$	8.28	\$	28.00%	100.00%	\$	2.32
<b>Cut &amp; Replace Soil</b>	\$	1.59	\$	1.00%	100.00%	\$	0.11

Normal-Buried Distribution Cable

NOTES - ANNUAL REPORT CLASS

Pelaa	\$ 211.40	40.27%	\$ 178.88	212.40	40.27%	\$ 178.88
Asetusta ja Osajä	\$ 26.11	67.07	100.00%	\$ 15.57	67.07	100.00%

## Normal - Aerial Distribution Cable

<b>Net</b>	\$	231.40	\$	-	\$	212.80	\$	40.27%	\$	178.88	\$	212.80	\$	40.27%	\$	178.88
<b>Allowance for Doubtful Accounts and Other</b>	\$	26.31	\$	-	\$	67.07	\$	100.00%	\$	15.57	\$	67.07	\$	100.00%	\$	15.57

Normal-Buried Distribution Cable

None	\$	2.80	\$	65.00%	\$	1.87	\$	21.00%	\$	95.00%	\$	0.58
Ruddy Pipe	\$	2.80	\$	0.00%	\$	0.00	\$	0.00%	\$	98.00%	\$	0.82
Trench & Backfill	\$	2.80	\$	11.00%	\$	0.30	\$	30.00%	\$	98.00%	\$	0.82
Rocky Trench	\$	2.80	\$	0.00%	\$	-	\$	0.00%	\$	98.00%	\$	0.82
Breakdown Trench	\$	2.80	\$	0.00%	\$	-	\$	0.00%	\$	98.00%	\$	0.82
Hand Dig Trench	\$	2.80	\$	1.00%	\$	0.08	\$	12.00%	\$	98.00%	\$	0.82
Burn & Cable	\$	2.78	\$	0.00%	\$	-	\$	3.00%	\$	98.00%	\$	0.82
Push Pipe & Pull Cable	\$	2.60	\$	1.00%	\$	0.25	\$	4.00%	\$	98.00%	\$	0.82
Cut & Replacement Asphalt	\$	6.21	\$	1.00%	\$	0.26	\$	5.00%	\$	98.00%	\$	1.30
Cut & Replace Concrete	\$	8.23	\$	5.00%	\$	0.30	\$	8.00%	\$	98.00%	\$	0.49
Cut & Replace Soil	\$	1.59	\$	6.00%	\$	0.32	\$	7.00%	\$	98.00%	\$	0.57
					\$	0.21	\$	10.00%	\$	98.00%	\$	0.35

## Normal - Aerial Feeder Cable

Period	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03
Net Assets	\$ 231,40	\$ 212,80	\$ 40,27%	\$ 178,83	\$ 212,80	\$ 40,27%	\$ 178,83	\$ 212,80	\$ 40,27%
Accrued and Other	\$ 26,11	\$ 67,07	100,00%	\$ 15,57	\$ 67,07	100,00%	\$ 15,57	\$ 67,07	100,00%

Normal + Aerial Distribución Cable

Holes	\$	231.40	\$	-	\$	212.80	\$	40.27%	\$	178.88	\$	-	\$	212.80	\$	40.27%	\$	178.88
Antlers and Oboys	\$	26.11	\$	-	\$	67.07	\$	100.00%	\$	15.57	\$	-	\$	67.07	\$	100.00%	\$	15.57

#### **Normal-Buried Distribution Cable**

NOTES - ARTIFICIAL CIRCLE

Revenues and Gains	\$ 231.40	\$ 212.80	\$ 49.27%	\$ -	\$ 176.81
Less Expenses	\$ 26.11	\$ 67.07	100.00%	\$ -	\$ 21.02

Normal - Aerial Distribution Cable

Holding Anderson and Grupe	-	\$ 211,40	\$ -	\$ 212,80	40,27%	\$ 178,83
		\$ 26,33	\$ -	\$ 67,07	100,00%	\$ 28,02

## BCPM Structure Inputs

### Normal - Buried Distribution Cable

Description	Length (ft)	Unit	Cost (\$)	Quantity	Unit Cost (\$)	Total Cost (\$)
Adapters	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Blocky Flange	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Conduit & Electrical	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Conduit Thread	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Double Box Thread	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
End Dia Thread	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Electrical Cables	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Push Pipe & Pull Cable	\$ 2.00	\$	\$ 0.00	94.00%	\$ 0.00	\$ 0.00
Out & Return Aspects	\$ 6.21	\$	\$ 31.06	94.00%	\$ 2.01	\$ 2.01
Out & Return Coupling	\$ 8.28	\$	\$ 24.05	94.00%	\$ 2.27	\$ 2.27
Out & Return End	\$ 1.59	\$	\$ 1.00	94.00%	\$ 0.11	\$ 0.11

### Normal - Aerial Feeder Cable

Description	Length (ft)	Unit	Cost (\$)	Quantity	Unit Cost (\$)	Total Cost (\$)
Adapters	\$ 231.40	\$	\$ 212.80	40.27%	\$ 178.88	\$ 178.88
Blocky and Goya	\$ 26.33	\$	\$ 67.07	100.00%	\$ 2.54	\$ 24.02

### Normal - Aerial Distributions Cable

Description	Length (ft)	Unit	Cost (\$)	Quantity	Unit Cost (\$)	Total Cost (\$)
Adapters	\$ 231.40	\$	\$ 212.80	40.27%	\$ 178.88	\$ 178.88
Blocky and Goya	\$ 26.33	\$	\$ 67.07	100.00%	\$ 2.54	\$ 24.02

## BCPM Structure Inputs

### Soft Rock Structure

#### Soft Rock - Feeder Conduit

Trench & Backfill	\$ 6.99	\$ 6.99	5.00%	99.00%	\$ 0.35	\$ 1.50	15.00%	99.00%	\$ 1.04			
Rocky Trench	\$ 6.99	\$ 6.99	15.00%	99.00%	\$ 2.42	\$ 13.00	13.00%	99.00%	\$ 2.25			
Backhoe Trench	\$ 6.99	\$ 6.99	18.00%	99.00%	\$ 2.61	\$ 20.00	99.00%	99.00%	\$ 1.18			
Hand Dig Trench	\$ 6.99	\$ 6.99	4.00%	99.00%	\$ 0.23	\$ 1.00	99.00%	99.00%	\$ 0.21			
Boring	\$ 51.62	\$ 51.62	1.00%	99.00%	\$ 1.62	\$ 4.00	99.00%	99.00%	\$ 2.16			
Cut & Restore Asphalt	\$ 10.52	\$ 10.52	5.00%	99.00%	\$ 0.52	\$ 8.00	99.00%	99.00%	\$ 0.83			
Cut & Restore Concrete	\$ 12.63	\$ 12.63	4.00%	99.00%	\$ 0.50	\$ 7.00	99.00%	99.00%	\$ 0.88			
Cut & Restore Soil	\$ 7.80	\$ 7.80	6.00%	99.00%	\$ 0.46	\$ 10.00	99.00%	99.00%	\$ 0.77			

#### Soft Rock - Distribution Conduit

Trench & Backfill	\$ 6.99	\$ 6.99	8.00%	99.00%	\$ 0.35	\$ 1.50	15.00%	99.00%	\$ 1.04			
Rocky Trench	\$ 6.99	\$ 6.99	21.00%	99.00%	\$ 1.12	\$ 12.00	99.00%	99.00%	\$ 2.21			
Backhoe Trench	\$ 6.99	\$ 6.99	5.00%	99.00%	\$ 1.45	\$ 21.00	99.00%	99.00%	\$ 1.45			
Hand Dig Trench	\$ 54.62	\$ 54.62	1.00%	99.00%	\$ 1.15	\$ 3.00	99.00%	99.00%	\$ 0.21			
Boring	\$ 10.52	\$ 10.52	5.00%	99.00%	\$ 1.62	\$ 4.00	99.00%	99.00%	\$ 2.16			
Cut & Restore Asphalt	\$ 12.63	\$ 12.63	4.00%	99.00%	\$ 0.52	\$ 8.00	99.00%	99.00%	\$ 0.83			
Cut & Restore Concrete	\$ 4.90	\$ 4.90	6.00%	99.00%	\$ 0.50	\$ 7.00	99.00%	99.00%	\$ 0.88			
Cut & Restore Soil	\$ 7.80	\$ 7.80	6.00%	99.00%	\$ 0.46	\$ 10.00	99.00%	99.00%	\$ 0.77			

#### Soft Rock - Buried Feeder Cable

Pipe	\$ 2.80	\$ 2.80	20.00%	100.00%	\$ 0.26	\$ 1.50	5.00%	100.00%	\$ 6.14			
Rocky Pipe	\$ 2.80	\$ 2.80	10.00%	100.00%	\$ 0.84	\$ 13.00	10.00%	100.00%	\$ 0.36			
Trench & Backfill	\$ 2.80	\$ 2.80	8.00%	100.00%	\$ 0.23	\$ 5.00	10.00%	100.00%	\$ 0.14			
Rocky Trench	\$ 2.80	\$ 2.80	10.00%	100.00%	\$ 0.22	\$ 25.00	10.00%	100.00%	\$ 0.70			
Backhoe Trench	\$ 2.80	\$ 2.80	10.00%	100.00%	\$ 0.23	\$ 15.00	10.00%	100.00%	\$ 0.42			
Hand Dig Trench	\$ 2.80	\$ 2.80	5.00%	100.00%	\$ 0.14	\$ 3.00	10.00%	100.00%	\$ 0.08			
Bare Cable	\$ 25.78	\$ 25.78	1.00%	100.00%	\$ 0.26	\$ 4.00	100.00%	100.00%	\$ 1.03			
Push Pipe & Pull Cable	\$ 26.60	\$ 26.60	1.00%	100.00%	\$ 0.27	\$ 5.00	100.00%	100.00%	\$ 1.33			
Cut & Restore Asphalt	\$ 6.21	\$ 6.21	5.00%	100.00%	\$ 0.11	\$ 8.00	10.00%	100.00%	\$ 0.50			
Cut & Restore Concrete	\$ 8.23	\$ 8.23	4.00%	100.00%	\$ 0.33	\$ 7.00	10.00%	100.00%	\$ 0.34			
Cut & Restore Soil	\$ 3.99	\$ 3.99	6.00%	100.00%	\$ 0.22	\$ 10.00	10.00%	100.00%	\$ 0.56			

## BCPM Structure Inputs

## Soft Rock Structure

## Soft Rock - Feeder Conduit

	DENSITY 651-140	DENSITY 651-250
Trench & Backfill	\$ 6.99	\$ 9.00%
Rocky Trench	\$ 6.99	\$ 28.00%
Blackbase Trench	\$ 6.99	\$ 20.00%
Hand Dig Trench	\$ 6.99	\$ 6.00%
Boring	\$ 54.62	\$ 2.00%
Cut & Remove Asphalt	\$ 10.32	\$ 1.00%
Cut & Remove Concrete	\$ 12.65	\$ 12.00%
Cut & Remove Soil	\$ 7.80	\$ 10.00%

## Soft Rock - Distribution Conduit

	DENSITY 651-140	DENSITY 651-250
Trench & Backfill	\$ 6.99	\$ 8.00%
Rocky Trench	\$ 6.99	\$ 10.00%
Blackbase Trench	\$ 6.99	\$ 9.00%
Hand Dig Trench	\$ 6.99	\$ 6.00%
Boring	\$ 54.62	\$ 2.00%
Cut & Remove Asphalt	\$ 10.32	\$ 11.00%
Cut & Remove Concrete	\$ 12.65	\$ 9.00%
Cut & Remove Soil	\$ 7.80	\$ 10.00%

## Soft Rock - Buried Feeder Cable

	DENSITY 651-140	DENSITY 651-250
Feeding	\$ 2.80	\$ 3.00%
Rocky Plane	\$ 2.80	\$ 3.00%
Trench & Backfill	\$ 2.80	\$ 15.00%
Rocky Trench	\$ 2.80	\$ 25.00%
Blackbase Trench	\$ 2.80	\$ 6.00%
Hand Dig Trench	\$ 2.80	\$ 6.00%
Blow Cables	\$ 25.78	\$ 2.00%
Push Pipe & Pull Cable	\$ 26.60	\$ 5.00%
Cut & Remove Asphalt	\$ 6.21	\$ 13.00%
Cut & Remove Concrete	\$ 8.28	\$ 12.00%
Cut & Remove Soil	\$ 3.59	\$ 10.00%

## BCPM Structure Inputs

## Soft Rock Structure

## Soft Rock - Feeder Conduit

			DENSITY	1000 LITER	1000 CUBIC METER
Trench & Backfill	\$	6.99	\$	0.00%	99.00% \$
Rocky Trench	\$	6.99	\$	6.00%	99.00% \$ 0.42
Rockbox Trench	\$	6.99	\$	-	12.00% 99.00% \$ 0.81
Hand Dig Trench	\$	6.99	\$	8.00%	99.00% \$ 0.55
Boring	\$	54.62	\$	10.00%	99.00% \$ 5.41
Cut & Restore Asphalt	\$	10.52	\$	11.00%	99.00% \$ 3.44
Cut & Restore Concrete	\$	12.63	\$	28.00%	99.00% \$ 1.51
Cut & Restore Soil	\$	7.80	\$	3.00%	99.00% \$ 0.23

## Soft Rock - Distribution Conduit

			DENSITY	1000 LITER	1000 CUBIC METER
Trench & Backfill	\$	6.99	\$	0.00%	99.00% \$
Rocky Trench	\$	6.99	\$	6.00%	99.00% \$ 0.42
Rockbox Trench	\$	6.99	\$	12.00%	99.00% \$ 0.83
Hand Dig Trench	\$	6.99	\$	8.00%	99.00% \$ 0.55
Boring	\$	54.62	\$	10.00%	99.00% \$ 5.41
Cut & Restore Asphalt	\$	10.52	\$	11.00%	99.00% \$ 3.44
Cut & Restore Concrete	\$	12.63	\$	28.00%	99.00% \$ 3.51
Cut & Restore Soil	\$	7.80	\$	3.00%	99.00% \$ 0.23

## Soft Rock - Buried Feeder Cable

			DENSITY	1000 LITER	1000 CUBIC METER
Piping	\$	2.80	\$	0.00%	100.00% \$
Rocky Pipe	\$	2.80	\$	0.00%	100.00% \$ -
Trench & Backfill	\$	2.80	\$	0.00%	100.00% \$ -
Rocky Trench	\$	2.80	\$	6.00%	100.00% \$ 0.17
Rockbox Trench	\$	2.80	\$	12.00%	100.00% \$ 0.34
Hand Dig Trench	\$	2.80	\$	8.00%	100.00% \$ 0.22
Bore Cable	\$	23.78	\$	10.00%	100.00% \$ 2.38
Push Pipe & Pull Cable	\$	26.60	\$	0.00%	100.00% \$ -
Cut & Restore Asphalt	\$	6.21	\$	13.00%	100.00% \$ 2.05
Cut & Restore Concrete	\$	8.28	\$	28.00%	100.00% \$ 2.12
Cut & Restore Soil	\$	1.59	\$	1.00%	100.00% \$ 0.11

## Soft Rock - Buried Distribution Cable

Power	280	\$	29.00%	96.00%	\$	0.90	\$	3.00%	\$	1400.00%	\$	0.00	
Trunk & Branch	240	\$	12.00%	96.00%	\$	0.80	\$	12.00%	\$	1400.00%	\$	0.00	
Hub Trunk	280	\$	8.00%	96.00%	\$	0.22	\$	5.00%	\$	2700.00%	\$	0.00	
Hubless Trunk	280	\$	2.00%	96.00%	\$	0.05	\$	0.05%	\$	1600.00%	\$	0.00	
Head Dry Trunk	280	\$	2.00%	96.00%	\$	0.05	\$	0.05%	\$	2000.00%	\$	0.00	
Branch Cables	275	\$	1.00%	96.00%	\$	0.25	\$	4.00%	\$	4000.00%	\$	0.00	
Point-to-Point Cables	260	\$	1.00%	96.00%	\$	0.25	\$	4.00%	\$	4000.00%	\$	0.00	
Cat 6 Branch Asym	621	\$	0.21	96.00%	\$	0.05	\$	1.00%	\$	5000.00%	\$	0.00	
Cat 6 Business Connects	828	\$	0.32	96.00%	\$	0.08	\$	1.60%	\$	7000.00%	\$	0.00	
Cat 6 Business Seg	359	\$	0.21	96.00%	\$	0.05	\$	1.00%	\$	5000.00%	\$	0.00	
Address and Cables	231.40	\$	212.80	40.27%	\$	178.88	\$	15.57	\$	67.07	100.00%	\$	15.57
Total	231.40	\$	212.80	40.27%	\$	178.88	\$	15.57	\$	67.07	100.00%	\$	15.57

## Soft Rock - Aerial Feeder Cable

Address and Cables	231.40	\$	212.80	40.27%	\$	178.88	\$	15.57	\$	67.07	100.00%	\$	15.57
Total	231.40	\$	212.80	40.27%	\$	178.88	\$	15.57	\$	67.07	100.00%	\$	15.57

## Soft Rock - Aerial Distribution Cable

Address and Cables	231.40	\$	212.80	40.27%	\$	178.88	\$	15.57	\$	67.07	100.00%	\$	15.57
Total	231.40	\$	212.80	40.27%	\$	178.88	\$	15.57	\$	67.07	100.00%	\$	15.57

Soft Rock - Buried Distribution Cable

Plane	\$	2.80	\$	0.00%	98.00%	\$	0.00%
R- sky Plane	\$	2.80	\$	0.00%	98.00%	\$	0.00%
Trench & Backfill	\$	2.80	\$	2.00%	98.00%	\$	2.00%
Rocky Trench	\$	2.80	\$	5.00%	98.00%	\$	5.00%
Blockhouse Trench	\$	2.80	\$	17.00%	98.00%	\$	17.00%
Hand Dig Trench	\$	2.80	\$	8.00%	98.00%	\$	8.00%
Bore Cable	\$	25.78	\$	15.00%	98.00%	\$	1.79
Push Pipe & Pull Cable	\$	26.60	\$	0.00%	98.00%	\$	0.00%
Cut & Replace Asphalt	\$	6.21	\$	25.00%	98.00%	\$	1.52
Cut & Replace Concrete	\$	8.28	\$	20.00%	98.00%	\$	1.62
Cut & Replace Soil	\$	1.59	\$	8.00%	98.00%	\$	0.24

Self Rock - Aerial Feeder Table

Amount	\$ 231.60		\$ 212.80	40.27%	\$ 178.88
Audit fees and Overage	\$ 26.13		6.67	100.00%	\$ 28.00

Soft Rock - Aerial Distribution Cable

Total	\$ 211.40	\$ 211.80	40.27%	\$ 176.88	\$ 172.80	40.27%	\$ 176.88
Audited and Unaudited	\$ 26.11	\$ -	-	\$ 28.02	\$ -	-	\$ 28.02

## BCPM Structure Inputs

**Soft Rock - Buried Distribution Cable**

Activity	Quantity	Unit	Rate	Cost	Efficiency	Rate	Cost
Flow	1	STANDARD	\$ 2.80	\$ 2.80	0.00%	\$ 98.00	\$ 98.00
Rock & Plane	1	STANDARD	\$ 2.80	\$ 2.80	0.00%	\$ 98.00	\$ 98.00
Trench & Backfill	1	STANDARD	\$ 2.80	\$ 2.80	0.00%	\$ 98.00	\$ 98.00
Ready Trench	1	STANDARD	\$ 2.80	\$ 2.80	0.00%	\$ 98.00	\$ 98.00
Backhoe Trench	1	STANDARD	\$ 2.80	\$ 2.80	0.00%	\$ 98.00	\$ 98.00
Hand Dig Trench	1	STANDARD	\$ 2.80	\$ 2.80	0.00%	\$ 98.00	\$ 98.00
Blow Cable	1	STANDARD	\$ 25.78	\$ 25.78	10.00%	\$ 98.00	\$ 2.53
Push Pipe & Pull Cable	1	STANDARD	\$ 26.60	\$ 26.60	0.00%	\$ 98.00	\$ -
Cat & Backhoe Augerbit	1	STANDARD	\$ 6.21	\$ 6.21	11.00%	\$ 98.00	\$ 2.01
Cat & Backhoe Crawler	1	STANDARD	\$ 8.28	\$ 8.28	25.00%	\$ 98.00	\$ 2.27
Cat & Excavator Std	1	STANDARD	\$ 1.59	\$ 1.59	1.00%	\$ 98.00	\$ 0.11

**Soft Rock - Aerial Feeder Cable**

Activity	Quantity	Unit	Rate	Cost	Efficiency	Rate	Cost
Ambient and Guyed	1	STANDARD	\$ 231.40	\$ 231.40	40.27%	\$ 178.88	\$ 178.88
Ambient and Guyed	1	STANDARD	\$ 26.33	\$ 26.33	100.00%	\$ 28.02	\$ 28.02

**Soft Rock - Aerial Distribution Cable**

Activity	Quantity	Unit	Rate	Cost	Efficiency	Rate	Cost
Total	1	STANDARD	\$ 231.40	\$ 231.40	40.27%	\$ 178.88	\$ 178.88
Ambient and Guyed	1	STANDARD	\$ 26.33	\$ 26.33	100.00%	\$ 28.02	\$ 28.02

## BCPM Structure Inputs

## Hard Rock Structure

## Hard Rock - Feeder Conduit

		DENSITY 6.5		DENSITY 6.100	
Trench & Backfill	\$ 61.89	0.00%	\$ 99.00%	\$ 0%	\$ 99%
Rocky Trench	\$ 61.89	55.00%	\$ 99.00%	\$ 11.70	\$ 55%
Backhoe Trench	\$ 61.89	34.00%	\$ 99.00%	\$ 20.81	\$ 32%
Hand Dig Trench	\$ 61.89	5.00%	\$ 99.00%	\$ 1.06	\$ 4%
Boring	\$ 54.62	2.00%	\$ 99.00%	\$ 1.08	\$ 7%
Cut & Remove Asphalt	\$ 65.39	1.00%	\$ 99.00%	\$ 0.65	\$ 3%
Cut & Remove Concrete	\$ 67.51	1.00%	\$ 99.00%	\$ 0.67	\$ 3%
Cut & Remove Soil	\$ 62.69	2.00%	\$ 99.00%	\$ 1.24	\$ 7%
					\$ 99%
					\$ 1.24

## Hard Rock - Distributions Conduit

	DENSITY 6.5		DENSITY 6.100	
Trench & Backfill	\$ 61.89	0.00%	\$ 99.00%	\$ 0%
Rocky Trench	\$ 61.89	50.00%	\$ 99.00%	\$ 30.63
Backhoe Trench	\$ 61.89	39.00%	\$ 99.00%	\$ 23.89
Hand Dig Trench	\$ 61.89	5.00%	\$ 99.00%	\$ 3.06
Boring	\$ 54.62	2.00%	\$ 99.00%	\$ 1.08
Cut & Remove Asphalt	\$ 65.39	1.00%	\$ 99.00%	\$ 0.65
Cut & Remove Concrete	\$ 67.51	1.00%	\$ 99.00%	\$ 0.67
Cut & Remove Soil	\$ 62.69	2.00%	\$ 99.00%	\$ 1.24
				\$ 99%
				\$ 1.24

## Hard Rock - Buried Feeder Cable

	DENSITY 6.5		DENSITY 6.100	
Flow	\$ 2.80	0.00%	\$ 100.00%	\$ 0.00%
Rocky Wall	\$ 2.80	55.00%	\$ 100.00%	\$ 1.54
Trench & Backfill	\$ 2.80	5.00%	\$ 100.00%	\$ 0.14
Rocky Trench	\$ 2.80	29.00%	\$ 100.00%	\$ 0.81
Backhoe Trench	\$ 2.80	4.00%	\$ 100.00%	\$ 0.11
Hand Dig Trench	\$ 2.80	1.00%	\$ 100.00%	\$ 0.03
Bore Cable	\$ 25.78	1.00%	\$ 100.00%	\$ 0.26
Push Pipe & Pull Cable	\$ 26.60	1.00%	\$ 100.00%	\$ 0.27
Cut & Remove Asphalt	\$ 6.21	1.00%	\$ 100.00%	\$ 0.06
Cut & Remove Concrete	\$ 8.23	1.00%	\$ 100.00%	\$ 0.08
Cut & Remove Soil	\$ 3.59	2.00%	\$ 100.00%	\$ 0.07
	\$ 100.00%		\$ 100.00%	

BCPM Structure Inputs

Hard Rock Structure

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					DENSITY 631-830		DENSITY 631-235
Trench & Backfill	\$	61.89	\$	0.00%	99.00%	\$	0.00%
Rocky Trench	\$	61.89	\$	45.00%	79.00%	\$	27.57
Buckshot Trench	\$	61.89	\$	12.00%	99.00%	\$	7.13
Hand Dig Trench	\$	61.89	\$	6.00%	99.00%	\$	1.68
Excavating	\$	54.82	\$	2.00%	99.00%	\$	1.04
Cut & Restore Asphalt	\$	65.39	\$	13.00%	99.00%	\$	8.42
Cut & Restore Concrete	\$	67.51	\$	12.00%	99.00%	\$	8.02
Cut & Restore Steel	\$	62.69	\$	10.00%	99.00%	\$	6.21

Hard Rock - Distribution Conduit

Trench & Backfill	\$ 61.92	\$ 5.00%	\$ 1.06	\$ 5.00%	\$ 1.06
Rocky Trench	\$ 61.89	\$ 32.00%	\$ 19.61	\$ 32.00%	\$ 19.61
Blockhouse Trench	\$ 61.89	\$ 10.00%	\$ 6.13	\$ 10.00%	\$ 6.13
Hound Dog Trench	\$ 61.89	\$ 6.00%	\$ 3.64	\$ 6.00%	\$ 3.64
Boring	\$ 54.62	\$ 2.00%	\$ 1.08	\$ 2.00%	\$ 1.08
Cat & Ratton Asphalt	\$ 63.39	\$ 13.00%	\$ 8.42	\$ 13.00%	\$ 8.42
Cat & Ratton Concrete	\$ 67.51	\$ 12.00%	\$ 8.02	\$ 12.00%	\$ 8.02
Cat & Ratton Sand	\$ 62.69	\$ 20.00%	\$ 12.41	\$ 20.00%	\$ 12.41

Hard Rock - Barbed Feeder Cable

<b>None</b>	\$	21.00	\$	0.00%	\$	100.00%	\$	0.00%	\$	100.00%	\$	-	
<b>Rocky Flow</b>	\$	21.00	\$	3.00%	\$	100.00%	\$	0.08	\$	1.00%	\$	0.04	
<b>Trench &amp; Backfill</b>	\$	21.00	\$	0.00%	\$	100.00%	\$	-	\$	0.00%	\$	100.00%	
<b>Rocky Trench</b>	"	\$	21.00	\$	35.00%	\$	100.00%	\$	0.98	\$	15.00%	\$	0.98
<b>Bk. Above Trench</b>	\$	21.00	\$	-	\$	100.00%	\$	0.39	\$	14.00%	\$	0.39	
<b>Hand Dig Trench</b>	\$	21.00	\$	6.00%	\$	100.00%	\$	0.17	\$	6.00%	\$	0.17	
<b>Bore Cable</b>	\$	25.78	\$	-	\$	100.00%	\$	0.52	\$	2.00%	\$	0.52	
<b>Push Pipe &amp; Pull Cable</b>	\$	26.60	\$	5.00%	\$	100.00%	\$	1.33	\$	5.00%	\$	1.33	
<b>Cut &amp; Remove Asphalt</b>	\$	6.21	\$	-	\$	100.00%	\$	0.81	\$	1.00%	\$	0.81	
<b>Cut &amp; Remove Concrete</b>	\$	8.28	\$	12.00%	\$	100.00%	\$	0.99	\$	12.00%	\$	0.99	
<b>Cut &amp; Remove Soil</b>	\$	3.59	\$	-	\$	100.00%	\$	0.16	\$	10.00%	\$	0.16	
<b>Total</b>	\$	110.00	\$	-	\$	100.00%	\$	-	\$	100.00%	\$	-	

## BCPM Structure Inputs

### Hard Rock Structure

#### Hard Rock Structure

		DENSITY 2351-3600			DENSITY 5001-10000		
Trench & Backfill	\$ 61.89	\$ 0.00%	\$ 99.00%	\$ -	\$ 0.00%	\$ 99.00%	\$ -
Rocky Trench	\$ 61.89	\$ -	\$ 15.00%	\$ 99.00%	\$ 9.19	\$ 15.00%	\$ 99.00%
Rockbox Trench	\$ 61.89	\$ -	\$ 10.00%	\$ 99.00%	\$ 6.13	\$ 10.00%	\$ 99.00%
Hand Dig Trench	\$ 61.89	\$ -	\$ 8.00%	\$ 99.00%	\$ 4.90	\$ 8.00%	\$ 99.00%
Boring	\$ 54.62	\$ -	\$ 15.00%	\$ 99.00%	\$ 8.11	\$ 15.00%	\$ 99.00%
Cut & Restore Asphalt	\$ 65.39	\$ -	\$ 23.00%	\$ 99.00%	\$ 16.18	\$ 23.00%	\$ 99.00%
Cut & Restore Concrete	\$ 67.51	\$ -	\$ 20.00%	\$ 99.00%	\$ 13.37	\$ 20.00%	\$ 99.00%
Cut & Restore Soil	\$ 62.69	\$ -	\$ 7.00%	\$ 99.00%	\$ 4.34	\$ 7.00%	\$ 99.00%

#### Hard Rock - Distributions Conduit

		DENSITY 2351-3600			DENSITY 5001-10000		
Trench & Backfill	\$ 61.89	\$ 0.00%	\$ 99.00%	\$ -	\$ 0.00%	\$ 99.00%	\$ -
Rocky Trench	\$ 61.89	\$ -	\$ 14.00%	\$ 99.00%	\$ 8.58	\$ -	\$ 14.00%
Rockbox Trench	\$ 61.89	\$ -	\$ 10.00%	\$ 99.00%	\$ 6.13	\$ 10.00%	\$ 99.00%
Hand Dig Trench	\$ 61.89	\$ -	\$ 8.00%	\$ 99.00%	\$ 4.90	\$ 8.00%	\$ 99.00%
Boring	\$ 54.62	\$ -	\$ 15.00%	\$ 99.00%	\$ 8.11	\$ 15.00%	\$ 99.00%
Cut & Restore Asphalt	\$ 65.39	\$ -	\$ 23.00%	\$ 99.00%	\$ 16.18	\$ 23.00%	\$ 99.00%
Cut & Restore Concrete	\$ 67.51	\$ -	\$ 20.00%	\$ 99.00%	\$ 13.37	\$ 20.00%	\$ 99.00%
Cut & Restore Soil	\$ 62.69	\$ -	\$ 8.00%	\$ 99.00%	\$ 4.34	\$ 8.00%	\$ 99.00%

#### Hard Rock - Buried Feeder Cable

		DENSITY 2351-3600			DENSITY 5001-10000		
Pipe	\$ 210.00	\$ 0.00%	\$ 100.00%	\$ -	\$ 0.00%	\$ 100.00%	\$ -
Rocky Pipe	\$ 240.00	\$ -	\$ 0.00%	\$ 100.00%	\$ -	\$ 0.00%	\$ 100.00%
Trench & Backfill	\$ 280.00	\$ -	\$ 0.00%	\$ 100.00%	\$ -	\$ 0.00%	\$ 100.00%
Rocky Trench	\$ 280.00	\$ -	\$ 15.00%	\$ 100.00%	\$ 0.42	\$ 15.00%	\$ 100.00%
Rockbox Trench	\$ 280.00	\$ -	\$ 10.00%	\$ 100.00%	\$ 0.23	\$ 10.00%	\$ 100.00%
Hand Dig Trench	\$ 240.00	\$ -	\$ 8.00%	\$ 100.00%	\$ 0.22	\$ 8.00%	\$ 100.00%
Bore Cable	\$ 25.78	\$ -	\$ 15.00%	\$ 100.00%	\$ 1.87	\$ 15.00%	\$ 100.00%
Punk Pipe & Pull Cable	\$ 26.40	\$ -	\$ 0.00%	\$ 100.00%	\$ -	\$ 0.00%	\$ 100.00%
Cut & Restore Asphalt	\$ 6.21	\$ -	\$ 23.00%	\$ 100.00%	\$ 1.55	\$ 23.00%	\$ 100.00%
Cut & Restore Concrete	\$ 8.28	\$ -	\$ 20.00%	\$ 100.00%	\$ 1.60	\$ 20.00%	\$ 100.00%
Cut & Restore Soil	\$ 3.59	\$ -	\$ 7.00%	\$ 100.00%	\$ 0.23	\$ 7.00%	\$ 100.00%

## BCPM Structure Inputs

### Hard Rock Structure

#### Hard Rock - Feeder Conduit

Description	Quantity	Unit	Price	Line Total	Line %	Depth/Station/Line	Depth/Station/Line %
Load & Backfill	\$	61.89	\$	0.00%	99.00%	\$	-
Ditch/Trench	\$	61.89	\$	10.00%	99.00%	\$	6.11
Rock Box Trench	\$	61.89	\$	8.00%	99.00%	\$	4.90
Hard Dig Trench	\$	61.89	\$	8.00%	99.00%	\$	4.90
Soil	\$	54.62	\$	10.00%	99.00%	\$	5.41
Cut & Remove Asphalt	\$	65.39	\$	31.00%	99.00%	\$	21.30
Cut & Remove Concrete	\$	67.51	\$	28.00%	99.00%	\$	18.71
Cut & Remove Soil	\$	62.69	\$	3.00%	99.00%	\$	1.80

#### Hard Rock - Distribution Conduit

Description	Quantity	Unit	Price	Line Total	Line %	Depth/Station/Line	Depth/Station/Line %
Load & Backfill	\$	61.89	\$	0.00%	99.00%	\$	-
Ditch/Trench	\$	61.89	\$	10.00%	99.00%	\$	6.11
Rock Box Trench	\$	61.89	\$	8.00%	99.00%	\$	4.90
Hard Dig Trench	\$	61.89	\$	8.00%	99.00%	\$	4.90
Soil	\$	54.62	\$	10.00%	99.00%	\$	5.41
Cut & Remove Asphalt	\$	65.39	\$	33.00%	99.00%	\$	21.30
Cut & Remove Concrete	\$	67.51	\$	28.00%	99.00%	\$	18.71
Cut & Remove Soil	\$	62.69	\$	3.00%	99.00%	\$	1.80

#### Hard Rock - Buried Feeder Cable

Description	Quantity	Unit	Price	Line Total	Line %	Depth/Station/Line	Depth/Station/Line %
Soil	\$	2.80	\$	0.00%	100.00%	\$	-
Rocky Plow	\$	2.80	\$	0.00%	100.00%	\$	-
Trench & Backfill	\$	2.80	\$	0.00%	100.00%	\$	-
Rocky Trench	\$	2.80	\$	10.00%	100.00%	\$	0.28
Backhoe Trench	\$	2.80	\$	8.00%	100.00%	\$	0.22
Hard Dig Trench	\$	2.80	\$	8.00%	100.00%	\$	0.22
Bent Cable	\$	25.78	\$	10.00%	100.00%	\$	2.54
Push Pipe & Pull Cable	\$	26.60	\$	0.00%	100.00%	\$	-
Cut & Remove Asphalt	\$	6.21	\$	33.00%	100.00%	\$	2.05
Cut & Remove Concrete	\$	6.23	\$	24.00%	100.00%	\$	2.12
Cut & Remove Soil	\$	3.59	\$	3.00%	100.00%	\$	0.11

Hard Rock - Buried Distribution Cable

Name	Cost	Margin	Profit	Margin %	Profit %	Cost %	Margin %	Profit %	Cost %
Brick Plan	\$	\$	\$	0.00%	0.00%	\$	0.00%	0.00%	\$
Trench & Backfill	\$	\$	\$	40.00%	40.00%	\$	11.00%	11.00%	\$
Lucky Thread	\$	\$	\$	7.00%	7.00%	\$	0.19	0.19	\$
Backhoe Trench	\$	\$	\$	32.00%	32.00%	\$	8.00%	8.00%	\$
Hand Dig Trench	\$	\$	\$	2.00%	2.00%	\$	0.05	0.05	\$
Steel Cable	\$	\$	\$	2.80	2.80	\$	0.05	0.05	\$
Push Pipe & Pull Cable	\$	\$	\$	1.00%	1.00%	\$	0.25	0.25	\$
Cut & Restore Asphalt	\$	\$	\$	1.00%	1.00%	\$	0.26	0.26	\$
Cut & Restore Concrete	\$	\$	\$	5.00%	5.00%	\$	0.30	0.30	\$
Cut & Restore Soil	\$	\$	\$	4.00%	4.00%	\$	0.12	0.12	\$
				6.00%	6.00%	\$	0.21	0.21	\$
				98.00%	98.00%	\$	10.00%	10.00%	\$

Hard Rock - Aerial Feeder Cable

<u>Units</u>	<u>\$</u>	<u>211.40</u>	<u>212.80</u>	<u>\$</u>	<u>178.83</u>	<u>\$</u>	<u>212.80</u>	<u>45%</u>	<u>\$</u>	<u>178.83</u>
<u>Auctions and Other</u>	<u>\$</u>	<u>26.13</u>	<u>67.07</u>	<u>\$</u>	<u>15.57</u>	<u>\$</u>	<u>67.07</u>	<u>100%</u>	<u>\$</u>	<u>15.57</u>

Hard Rock - Aerial Distribution Cable

<b>Notes</b>	\$ 211.60	\$ -	\$ 212.80	40%	\$ 178.88	\$ -	\$ 212.80	40%	\$ 178.88
<b>Amber and Days</b>	\$ 26.13	\$ -	\$ 67.07	100%	\$ 15.57	\$ -	\$ 67.07	100%	\$ 15.57

## BCPM Structure inputs

## Hard Rock - Buried Distribution Cable

	DENSITY 651-850			DENSITY 851-1150		
	\$	100%	\$	\$	100%	\$
Plane	\$ 2.80	100%	\$ 98.00%	\$ 0.04	100%	\$ 98.00%
Rocky Plane	\$ 2.80	100%	\$ 98.00%	\$ 0.04	100%	\$ 98.00%
Trench & Backfill	\$ 2.80	100%	\$ 98.00%	\$ 0.04	100%	\$ 98.00%
Rocky Trench	\$ 2.80	100%	\$ 98.00%	\$ 0.04	100%	\$ 98.00%
Backhoe Trench	\$ 2.80	100%	\$ 98.00%	\$ 0.04	100%	\$ 98.00%
Hand Dig Trench	\$ 2.80	100%	\$ 98.00%	\$ 0.04	100%	\$ 98.00%
Barn Cable	\$ 25.78	100%	\$ 98.00%	\$ 0.51	100%	\$ 98.00%
Push Pipe & Pull Cable	\$ 26.60	100%	\$ 98.00%	\$ 1.40	100%	\$ 98.00%
Cut & Remove Asphalt	\$ 6.21	100%	\$ 98.00%	\$ 0.79	100%	\$ 98.00%
Cut & Remove Concrete	\$ 8.28	100%	\$ 98.00%	\$ 0.97	100%	\$ 98.00%
Cut & Remove Soil	\$ 1.59	100%	\$ 98.00%	\$ 0.70	100%	\$ 98.00%

## Hard Rock - Aerial Feeder Cable

	DENSITY 651-850			DENSITY 851-1150		
	\$	100%	\$	\$	100%	\$
Poles	\$ 211.40	100%	\$ 212.60	40%	\$ 178.83	100%
Audited and Checked	\$ 26.13	100%	\$ 67.07	100%	\$ 67.07	100%

## Hard Rock - Aerial Distribution Cable

	DENSITY 651-850			DENSITY 851-1150		
	\$	100%	\$	\$	100%	\$
Poles	\$ 211.40	100%	\$ 212.60	40%	\$ 178.83	100%
Audited and Checked	\$ 26.13	100%	\$ 67.07	100%	\$ 67.07	100%

Hard Rock - Buried Distribution Cabinet

Hard Rock - Aerial Footer Label

	\$ 211.40	\$ 212.50	40%	\$ 178.48
	\$ 26.13	\$ 67.07	100%	\$ 23.02

Hard Rock - Aerial Distribution Cable

Poems	\$ 211.40	\$ -	\$ 211.40	40%	\$ 178.88
Anchors and Gongs	\$ 26.33	\$ -	\$ 67.07	100%	\$ 26.02

## HCPM Manhole Inputs

### Manhole Inputs

#### Normal - Manhole

	\$ 1,612.46	\$ 331.55	\$ 99.00%	\$ 1,331.46	\$ 99.00%	\$ 1,331.46
Hazardous 12x3 or 4x6?	\$ 7,065.41	\$ -	\$ 99.00%	\$ 7,014.55	\$ 99.00%	\$ 7,014.55
Manhole 4x6x7	\$ 10,160.52	\$ -	\$ 99.00%	\$ 10,054.91	\$ 99.00%	\$ 10,054.91
Manhole 12x6x7	\$ -	\$ -	\$ 99.00%	\$ -	\$ 99.00%	\$ -
Adder 12x6x7	\$ 2.41	\$ -	\$ 99.00%	\$ 2.39	\$ 99.00%	\$ 2.39
Costain Per Duct Foot	\$ -	\$ -	\$ 99.00%	\$ -	\$ 99.00%	\$ -

#### Soft Rock - Manhole

	\$ 1,612.46	\$ 331.55	\$ 99.00%	\$ 1,331.46	\$ 99.00%	\$ 1,331.46
Hazardous 12x3 or 4x6?	\$ 7,065.41	\$ -	\$ 99%	\$ 7,014.55	\$ 99%	\$ 7,014.55
Manhole 4x6x7	\$ 10,160.52	\$ -	\$ 99%	\$ 10,054.91	\$ 99%	\$ 10,054.91
Manhole 12x6x7	\$ -	\$ -	\$ 99%	\$ -	\$ 99%	\$ -
Adder 12x6x7	\$ 2.41	\$ -	\$ 99%	\$ 2.39	\$ 99%	\$ 2.39
Costain Per Duct Foot	\$ -	\$ -	\$ 99%	\$ -	\$ 99%	\$ -

#### Hard Rock - Manhole

	\$ 1,612.46	\$ 331.51	\$ 99%	\$ 1,331.22	\$ 99%	\$ 1,331.22
Hazardous 12x3 or 4x6?	\$ 7,065.41	\$ 3,513.26	\$ 99%	\$ 10,492.64	\$ 99%	\$ 10,492.64
Manhole 4x6x7	\$ 10,160.52	\$ 9,222.30	\$ 99%	\$ 19,188.99	\$ 99%	\$ 19,188.99
Manhole 12x6x7	\$ -	\$ -	\$ 99%	\$ -	\$ 99%	\$ -
Adder 12x6x7	\$ 2.41	\$ -	\$ 99%	\$ 2.39	\$ 99%	\$ 2.39
Costain Per Duct Foot	\$ -	\$ -	\$ 99%	\$ -	\$ 99%	\$ -

## BCPM Manhole Inputs

### Manhole Inputs

#### Normal - Manhole

	1.01236	\$ 771.71	99.00%	\$ 1,331.46	99.00%	\$ 1,331.46
Manhole 3x3 or 4x4	\$ 1,012.36	\$ 771.71	99.00%	\$ 1,331.46	99.00%	\$ 1,331.46
Manhole 4x6.7	\$ 7,065.41	\$ -	99.00%	\$ 7,014.55	99.00%	\$ 7,014.55
Manhole 12x6.7	\$ 10,160.52	\$ -	99.00%	\$ 10,058.91	99.00%	\$ 10,058.91
Adder 12x6.7	\$ -	\$ -	99.00%	\$ -	99.00%	\$ -
Cochise Per Duct Foot	\$ 2.41	\$ -	99.00%	\$ 2.39	99.00%	\$ 2.39

#### Soft Rock - Manhole

	1.01236	\$ 771.71	99.00%	\$ 1,331.46	99.00%	\$ 1,331.46
Manhole 3x3 or 4x4	\$ 1,012.36	\$ 771.71	99.00%	\$ 1,331.46	99.00%	\$ 1,331.46
Manhole 4x6.7	\$ 7,065.41	\$ -	99.00%	\$ 7,014.55	99.00%	\$ 7,014.55
Manhole 12x6.7	\$ 10,160.52	\$ -	99.00%	\$ 10,058.91	99.00%	\$ 10,058.91
Adder 12x6.7	\$ -	\$ -	99.00%	\$ -	99.00%	\$ -
Cochise Per Duct Foot	\$ 2.41	\$ -	99.00%	\$ 2.39	99.00%	\$ 2.39

#### Hard Rock - Manhole

	1.01236	\$ 771.71	99.00%	\$ 1,331.46	99.00%	\$ 1,331.46
Manhole 3x3 or 4x4	\$ 1,012.36	\$ 771.71	99.00%	\$ 1,331.46	99.00%	\$ 1,331.46
Manhole 4x6.7	\$ 7,065.41	\$ 3,513.26	99.00%	\$ 10,492.68	99.00%	\$ 10,492.68
Manhole 12x6.7	\$ 10,160.52	\$ 9,222.30	99.00%	\$ 19,188.99	99.00%	\$ 19,188.99
Adder 12x6.7	\$ -	\$ -	99.00%	\$ -	99.00%	\$ -
Cochise Per Duct Foot	\$ 2.41	\$ 2.39	99.00%	\$ 2.39	99.00%	\$ 2.39

## BCPM Manhole Inputs

### Manhole Inputs

#### Normal - Manhole

	WALL THICKNESS	WALL WEIGHT	DENSITY	WALL WEIGHT	DENSITY
Manhole 3x3 or 4x4	\$ 1,012.56	\$ 312.55	99.00%	\$ 1,331.46	99.00%
Manhole 4x6x7	\$ 7,085.41	\$ -	99.00%	\$ 7,014.55	99.00%
Manhole 12x12x7	\$ 10,160.52	\$ -	99.00%	\$ 10,058.91	99.00%
Adder 12x6x7	\$ -	\$ -	99.00%	\$ -	10,058.91
Costroll Per Duct Foot	\$ 2.41	\$ -	99.00%	\$ 2.39	99.00%
			99.00%	\$ 2.39	-

#### Soft Rock - Manhole

	WALL THICKNESS	WALL WEIGHT	DENSITY	WALL WEIGHT	DENSITY
Manhole 3x3 or 4x4	\$ 1,012.56	\$ 312.55	99%	\$ 1,331.46	99%
Manhole 4x6x7	\$ 7,085.41	\$ -	99%	\$ 7,014.55	99%
Manhole 12x12x7	\$ 10,160.52	\$ -	99%	\$ 10,058.91	99%
Adder 12x6x7	\$ -	\$ -	99%	\$ -	10,058.91
Costroll Per Duct Foot	\$ 2.41	\$ -	99%	\$ 2.39	99%
			99%	\$ 2.39	-

#### Hard Rock - Manhole

	WALL THICKNESS	WALL WEIGHT	DENSITY	WALL WEIGHT	DENSITY
Manhole 3x3 or 4x4	\$ 1,012.56	\$ 711.71	99%	\$ 1,763.22	99%
Manhole 4x6x7	\$ 7,085.41	\$ 1,313.26	99%	\$ 10,492.68	99%
Manhole 12x12x7	\$ 10,160.52	\$ 9,222.30	99%	\$ 19,188.99	99%
Adder 12x6x7	\$ -	\$ -	99%	\$ -	19,188.99
Costroll Per Duct Foot	\$ 2.41	\$ -	99%	\$ 2.39	99%
			99%	\$ 2.39	-

## BCPM ManHole Inputs

## Manhole Inputs

## Normal - Manhole

	1,012.36	\$	332.55		99.00%	\$	1,331.46		99.00%	\$	1,331.46
Holes 3x3 or 4x6	\$ 1,012.36	\$	332.55		99.00%	\$	1,331.46		99.00%	\$	1,331.46
Manhole 4x6?	\$ 7,085.41	\$	-		99.00%	\$	7,014.55		99.00%	\$	7,014.55
Manhole 12x6?	\$ 10,160.52	\$	-		99.00%	\$	10,058.91		99.00%	\$	10,058.91
Adder 12x6?	\$ -	\$	-		-	\$	-		-	\$	-
Cochia Per Duct Foot	\$ 2.41	\$	-		99.00%	\$	2.39		99.00%	\$	2.39

## Soft Rock - Manhole

	1,012.36	\$	332.55		99%	\$	1,331.46		99%	\$	1,331.46
Holes 3x3 or 4x6	\$ 1,012.36	\$	332.55		99%	\$	1,331.46		99%	\$	1,331.46
Manhole 4x6?	\$ 7,085.41	\$	-		99%	\$	7,014.55		99%	\$	7,014.55
Manhole 12x6?	\$ 10,160.52	\$	-		99%	\$	10,058.91		99%	\$	10,058.91
Adder 12x6?	\$ -	\$	-		-	\$	-		-	\$	-
Cochia Per Duct Foot	\$ 2.41	\$	-		99%	\$	2.39		99%	\$	2.39

## Hard Rock - Manhole

	1,012.36	\$	771.71		99%	\$	1,766.22		99%	\$	1,766.22
Holes 3x3 or 4x6	\$ 1,012.36	\$	771.71		99%	\$	1,766.22		99%	\$	1,766.22
Manhole 4x6?	\$ 7,085.41	\$	3,513.26		99%	\$	10,492.64		99%	\$	10,492.64
Manhole 12x6?	\$ 10,160.52	\$	9,222.30		99%	\$	19,188.99		99%	\$	19,188.99
Adder 12x6?	\$ -	\$	-		-	\$	-		-	\$	-
Cochia Per Duct Foot	\$ 2.41	\$	-		99%	\$	2.39		99%	\$	2.39

## BCPM Manhole Inputs

### Manhole Inputs

#### Normal - Manhole

	Per Unit Cost	Quantity	Total Cost
Manhole 3x3 or 4x4	\$ 1,012.36	\$ 112.35	\$ 113.46
Manhole 4x6.7	\$ 7,085.41	\$ -	\$ 7,014.55
Manhole 12x6.7	\$ 10,160.52	\$ -	\$ 10,058.91
Adder 12x6.7	\$ -	\$ -	\$ -
Costs Per Duct Foot	\$ 2.41	\$ 99.00%	\$ 2.39

#### Soft Rock - Manhole

	Per Unit Cost	Quantity	Total Cost
Manhole 3x3 or 4x4	\$ 1,012.36	\$ 322.55	\$ 1,331.46
Manhole 4x6.7	\$ 7,085.41	\$ -	\$ 7,014.55
Manhole 12x6.7	\$ 10,160.52	\$ -	\$ 10,058.91
Adder 12x6.7	\$ -	\$ -	\$ -
Costs Per Duct Foot	\$ 2.41	\$ 99.00%	\$ 2.39

#### Hard Rock - Manhole

	Per Unit Cost	Quantity	Total Cost
Manhole 3x3 or 4x4	\$ 1,012.36	\$ 711.71	\$ 700.22
Manhole 4x6.7	\$ 7,085.41	\$ 3,513.26	\$ 10,692.68
Manhole 12x6.7	\$ 10,160.52	\$ 9,222.30	\$ 19,188.99
Adder 12x6.7	\$ -	\$ -	\$ -
Costs Per Duct Foot	\$ 2.41	\$ 99.00%	\$ 2.39

## BCPM Loop Percent Table Inputs

### Loop Percentage Tables

**Distribution Plant Mix Table**

Normal Terrain - Percentage			
0	0.00%	60.00%	40.00%
6	2.00%	61.00%	37.00%
101	5.00%	62.00%	33.00%
201	8.00%	62.00%	30.00%
651	15.00%	65.00%	20.00%
851	25.00%	65.00%	10.00%
2551	40.00%	55.00%	5.00%
5001	60.00%	35.00%	5.00%
10001	90.00%	10.00%	0.00%

Soft Rock Terrain - Percentage			
0	0.00%	60.00%	40.00%
6	2.00%	61.00%	37.00%
101	5.00%	62.00%	33.00%
201	8.00%	62.00%	30.00%
651	15.00%	65.00%	20.00%
851	25.00%	65.00%	10.00%
2551	40.00%	55.00%	5.00%
5001	60.00%	35.00%	5.00%
10001	90.00%	10.00%	0.00%

Hard Rock Terrain - Percentage			
0	0.00%	50.00%	50.00%
6	2.00%	51.00%	47.00%
101	5.00%	52.00%	43.00%
201	8.00%	52.00%	40.00%
651	15.00%	60.00%	25.00%
851	18.00%	62.00%	20.00%
2551	20.00%	65.00%	15.00%
5001	45.00%	40.00%	15.00%
10001	90.00%	0.00%	10.00%

**Copper Plant Mix Table**

Normal Terrain - Percentage			
0	10.00%	50.00%	40.00%
6	15.00%	45.00%	40.00%
101	20.00%	40.00%	40.00%
201	25.00%	35.00%	40.00%
651	45.00%	30.00%	25.00%
851	65.00%	25.00%	10.00%
2551	80.00%	20.00%	0.00%
5001	90.00%	10.00%	0.00%
10001	95.00%	5.00%	0.00%

Soft Rock Terrain - Percentage			
0	10.00%	50.00%	40.00%
6	15.00%	45.00%	40.00%
101	20.00%	40.00%	40.00%
201	25.00%	35.00%	40.00%
651	45.00%	30.00%	25.00%
851	65.00%	25.00%	10.00%
2551	80.00%	20.00%	0.00%
5001	90.00%	10.00%	0.00%
10001	95.00%	5.00%	0.00%

Hard Rock Terrain - Percentage			
0	5.00%	45.00%	50.00%
6	10.00%	40.00%	50.00%
101	15.00%	35.00%	50.00%
201	25.00%	25.00%	50.00%
651	35.00%	25.00%	40.00%
851	60.00%	20.00%	20.00%
2551	80.00%	10.00%	10.00%
5001	85.00%	5.00%	10.00%
10001	95.00%	0.00%	5.00%

**Fiber Plant Mix Table (Loop)**

Normal Terrain - Percentage			
0	10.00%	50.00%	40.00%
6	15.00%	45.00%	40.00%
101	20.00%	40.00%	40.00%
201	25.00%	35.00%	40.00%
651	45.00%	30.00%	25.00%
851	65.00%	25.00%	10.00%
2551	80.00%	20.00%	0.00%
5001	90.00%	10.00%	0.00%
10001	95.00%	5.00%	0.00%

Soft Rock Terrain - Percentage			
0	10.00%	50.00%	40.00%
6	15.00%	45.00%	40.00%
101	20.00%	40.00%	40.00%
201	25.00%	35.00%	40.00%
651	45.00%	30.00%	25.00%
851	65.00%	25.00%	10.00%
2551	80.00%	20.00%	0.00%
5001	90.00%	10.00%	0.00%
10001	95.00%	5.00%	0.00%

Hard Rock Terrain - Percentage			
0	5.00%	45.00%	50.00%
6	10.00%	40.00%	50.00%
101	15.00%	35.00%	50.00%
201	25.00%	25.00%	50.00%
651	35.00%	25.00%	40.00%
851	60.00%	20.00%	20.00%
2551	80.00%	10.00%	10.00%
5001	85.00%	5.00%	10.00%
10001	95.00%	0.00%	5.00%

BCPM Loop Percent Table Inputs

#### Fiber Plant Mix Table (Transport)

Year	Interest Rate (%)	Term (Years)	Present Value (\$)
0	10.00%	0.00	10.00%
6	15.00%	77.00%	8.00%
10	20.00%	74.00%	6.00%
20	25.00%	70.00%	5.00%
65	50.00%	47.00%	1.00%
85	75.00%	22.00%	3.00%
235	85.00%	15.00%	0.00%
500	85.00%	15.00%	0.00%
1,000	95.00%	5.00%	0.00%

Average Number of Housing Units Per Dwelling For Each Census Data Range

Self Back Transfer: Transport				
	0	10.00%	60.00%	10.00%
0	15.00%	77.00%	8.00%	
6	20.00%	74.00%	6.00%	
101	23.00%	70.00%	5.00%	
201	50.00%	47.00%	3.00%	
651	75.00%	22.00%	3.00%	
851	85.00%	15.00%	0.00%	
2351	93.00%	15.00%	0.00%	
5001	95.00%	15.00%	0.00%	
16001	95.00%	5.00%	0.00%	

Density Cable String Factor Table

2	2	2	2	2	2	2	2
3-4	3	3	3	3	3	3	3
5-9	7	7	7	7	7	7	7
10-19	15	15	15	15	15	15	15
20-49	35	35	35	35	35	35	35
>50	55	55	55	55	55	55	55
Ölzer	1	1	1	1	1	1	1

## BCPM Loop Percent Table Inputs

**Density HbTable**

	Household			
0	96.00%	2.80	4.00%	97.43%
6	93.90%	3.20	6.10%	95.81%
101	89.60%	4.50	11.00%	91.44%
201	81.40%	5.20	16.60%	86.59%
651	74.20%	5.70	23.80%	78.73%
851	74.30%	5.70	23.80%	78.73%
2351	59.40%	5.90	40.60%	66.28%
5001	59.40%	7.10	40.60%	65.12%
10001	22.00%	7.10	78.00%	32.99%

**Structure Allocation Table (Percent of Structure Assigned to Facility)**

	Facility		
0	50.00%	50.00%	
200	50.00%	50.00%	
900	50.00%	50.00%	
2400	50.00%	50.00%	
4300	50.00%	50.00%	
>4200	75.00%	25.00%	

**Voice Grade Ratio Table**

	Facility		
0	100.00%	0.00%	100.00%
2017	65.00%	35.00%	50.00%
10000	50.00%	50.00%	30.00%
20000	75.00%	25.00%	10.00%

BCPMLLC & Electronic Inputs

DLC & Electronic Costs

## Digital Loop Carrier Remote System Cost Tables

BIG COI INVESTMENT LTD

	0	\$	11,234.16
	23	\$	11,749.30
	49	\$	12,211.57
	97	\$	13,192.71
	121	\$	14,408.60
	183	\$	15,770.87
	241	\$	22,176.00
	313	\$	22,176.00
	675	\$	22,176.00
1345		\$	26,881.00

Equipment Price Inputs

Item	Cost	Quantity	Margin	Profit	Unit Cost	Unit Profit	Unit Margin	Unit Varies
Fiber Tip Cable (Per Fiber)	\$ 72	\$ 57	85.0%	31.0%	2	Varies		
Fiber Patch Panel (Per Fiber)	\$ 335	\$ 163	85.0%	57.0%	2	Varies		
Sonet Terminal Shelf (OC3)	\$ 21,505	\$ 3,105	41.0%	1	84			
DS3 Card	\$ 3,764	\$ 124	67.0%	45.0%	1	28		
DS1 Card	\$ 253	\$ 8	100.0%	45.0%	1	1		
Sonet Terminal Shelf (OC12)	\$ 37,761	\$ 5,452	41.0%	1	336			
OC3 Card	\$ 6,597	\$ 241	39.0%	1	84			
3 DS3 Card (OC12)	\$ 5,070	\$ 164	100.0%	46.0%	1	84		
Sonet Terminal Shelf (OC48)	\$ 82,224	\$ 11,871	41.0%	1	1344			
OC3 Card	\$ 17,288	\$ 446	57.0%	1	84			
3 DS3 Card (OC48)	\$ 10,732	\$ 283	22.0%	56.0%	1	84		
DSX3 Cross Connect Shelf	\$ 1,358	\$ 954	27.0%	38.0%	1	448		
DSX3 Cross Connect Card	\$ 596	\$ 17	27.0%	53.0%	1	28		
DSX1 Cross Connect Jack Field	\$ 9,200	\$ 5,210	85.0%	50.0%	1	56		
Channel Bank Shelf	\$ 4,634	\$ 760	85.0%	33.0%	1	2		
Channel Bank Card	\$ 299	\$ 12	85.0%	33.0%	1	0.041667		
Fiber Repeater (OC3)	\$ 21,505	\$ 3,105	41.0%	2	ANNA			
Fiber Repeater (OC12)	\$ 37,761	\$ 5,452	41.0%	2	ANNA			
Fiber Repeater (OC48)	\$ 82,224	\$ 11,871	41.0%	2	ANNA			

## Transport

Transport Inputs

Variable	Value	Transport
MaxNodes	9	Maximum number of nodes on a ring
ARFactor	1.747	Air to Route Factor
LTFactor	6	Access line to DSO trunk factor associated with best remote links
TTFactor	10	Access line to DSO trunk factor associated with best tandem trunks
SFFactor	5.07%	% special access circuits to the number of exchange access lines
RepeaterDist	35	Maximum Repeater spacing (miles)
MAXPerDSL	216,000	MAX per DSL
RDSWitch	N	Docks & Two point (Sister) rings use separate routing for the two sides
EASPerCLLIMatch	25.00%	Percent of interoffice MOLs that are EAS
CLLIMatch	11	Used to identify "link" numbers
<b>Fiber Factors</b>		
MEAerialFiber	33.00%	Mileage Equipment Aerial Fiber (per fiber mile)
MEUndergroundFiber	33.00%	Mileage Equipment Underground Fiber (per fiber mile)
MEBuriedFiber	33.00%	Mileage Equipment Buried Fiber (per fiber mile)
FiberPoleFactor	0.329	Fiber Pole Factor
FiberConduitFactor	0.911	Fiber Conduit Factor
PowerAerialEquipmentFactor	0.071	Miscellaneous Equipment & Power Factor
SheathSharingFactor	0.68	Sheath Sharing Factor
TwoPointSheathSharingFactor	0.5	Two Point Sheath Sharing Factor
FiberMixAerial	10.00%	Fiber Mix - Aerial
FiberMixUnderground	65.00%	Fiber Mix - Underground
FiberMixBuried	25.00%	Fiber mix - Buried

## BCPM Miscellaneous Inputs

### Miscellaneous Inputs

Variable	Value	Description
<b>Cable &amp; Wire Inputs</b>		
PairsPerHousingUnit	1.1	Distribution pairs per residential housing unit
PairsPerBusinessLocation	6.0	Minimum number of pairs per business location
MaxSizeFDI	4200	Maximum Size Fodder Distribution Interface Cabinet (Cross Connect)
MaxFiberSize	281	Maximum Fiber Cable Size
MaxFeederSize	4,200	Maximum Copper Feeder Cable Size
MaxDiskSize	3400	Maximum Copper Distribution Cable Size
CpMaxDist	12,000	Maximum length of copper cable in the CBG distribution area
FiberCableDiscount	0.00%	Fiber Cable Discount %
CopperCableDiscount	0.00%	Copper Cable Discount %
InvLocCap	\$ 10,000	Loop Investment Cap Expense
BreakPoint	12,000	Cable Break Point
<b>Terrain Inputs and Surface Impacts</b>		
CriticalWaterDepth	30	1) Depth in feet at which water impacts plazmocial costs 2) Value that triggers new terrain variable multiplier 3) Value that triggers new terrain variable multiplier
WaterFactor	30.00%	% Cost increase for existence of water within critical depth
NewTerrainTrigger	1.0	1) Cost multiplier when new terrain variable exceeds trigger point 2) Point at which minimum slope effects placement distance
NewTerrainFactor	1.10	1.10 Change in distance due to increased average slope 30 Point where persistence of very high slope causes yet more cable distance
MinSlopeTrigger	1.05	1.05 Change in distance due to a maximum only slope persistence
MaxSlopeTrigger	1.20	1.20 Secondary change in distance due to substantial slope persistence
CostSlopeFactor		
<b>Census Data Inputs - State Specific</b>		
BusinessPerHm	10	Average Number of Business lines per location
TrenchDepth		
NormalKGroundCover	24.00	Minimum Cover Depth in inches for BuriedUnderground Copper Cable
NormalFiberCover	36.00	Minimum Cover Depth in inches for BuriedUnderground Fiber

## BCPM1 Miscellaneous Inputs

Digital Electronics	
Copper, cu	\$ 75,000.00
Copper T1	\$ 2,500.00
Fiber Frame	\$ -
Dishack	\$ -
Electronictill	\$ 15.00%
HICapfill	\$ 12.00%
Small DLCL Discount	0.00% Small DLCL Electronics Discount %
Large DLCL Discount	0.00% Large DLCL Electronics Discount %
Max COTDLCL	2016 Maximum Central Office Terminal DLCL Size
Max COTELCS	672 Maximum Central Office Terminal DLCS Size
COTDLCLPerLine	\$ 15.58 Central Office Terminal DLCL Per line Investment
COTELCSPerLine	\$ 77.18 Central Office Terminal DLCS Per line Investment
Financial Data	
InterestOnEquity	13.4% Interest On Equity
DebtRatio	8.0% Debt Ratio
DebtRatio	40.0% Debt Ratio
Tax Data	
Federal Tax Rate	35.0% Federal Tax Rate
State Tax Rate	5.5% State Tax Rate
AdV administration	1.2% Ad Valorem, Insurance, etc.
Other Tax Rate	0.0% Other Tax Rate
Tax Depreciation	
BookDepreciationCurve	CG&S Use Survival Curves
BookConservation	Mid Year Convention
BookELC_VG	ELG ELG / VG
BookWL_RL	Remaining Life WL / RL
Cableized Results	
DLCLSDiscount	100.00% DLCL Small - Pricing ratio after Discount
DLCLLDiscount	100.00% DLCL Large - Pricing ratio after Discount
FiberCostRatio	100.00% Fiber cable cost ratio after discount
CopperCostRatio	100.00% Copper Cable Cost ratio after discount
CopperGauge	26 Gauge of copper cable
	Verizon J Input Charger Extended Range Line Card Inputs
COUDLCLPerLineExchange	\$ 15.58 Central Office Terminal DLCL Per line investment for Extended Range Line Cards
COTDLCSPerLineExchange	\$ 18.54 Central Office Terminal DLCS Per line investment for Extended Range Line Cards
RTDLCLPerLineExRange	\$ 187.50 Remove Terminal DLCL Per line investment for Extended Range Line Cards
RTDCSPerLineExRange	\$ 125.00 Remove Terminal DLCS Per line investment for Extended Range Line Cards
BreakPointExRange	13,600 Breakpoint (in feet) when Extended Range line cards are Required in DLCL

## BCPM Expense Inputs

### Expense Inputs

#### Aggregate Support Inputs

	Residence	Business
Aggregate Support Level at:	\$ 13.63	\$ 31.26
Aggregate Support Level at:	\$ 31.00	\$ 51.00
Aggregate Support Level at:	\$ 40.00	\$ 40.00
Aggregate Support Level at:	\$ 50.00	\$ 50.00
Aggregate Support Level at:	\$ 60.00	\$ 60.00
Aggregate Support Level at:	\$ 70.00	\$ 70.00
Aggregate Support Level at:	\$ 80.00	\$ 80.00

#### Support and Expense Factors for Tier 1 Companies

#### Support Ratio Table

	Residence	Business	Total
6112 Motor Vehicles	0.739%	0.739%	0.815%
6114 Special Purpose Vehicles	0.001%	0.001%	0.000%
6115 Garage Work Equipment	0.032%	0.032%	0.018%
6116 Other Work Equipment	0.627%	0.627%	0.911%
6122 Furniture	0.233%	0.233%	0.125%
61213 Office Support	0.701%	0.701%	0.281%
6124 General Purpose Computers	2.965%	2.965%	3.129%
Total Support Ratio	5.298%	5.298%	5.279%

## BCPM Expense Inputs

### Per Line Monthly Operating Expenses for Small, Medium and Large Companies

Business Expense Table		Business											
Cost Element	US\$M	\$	0.1500	\$	0.1500	\$	0.0230	\$	0.0000	\$	0.0000	\$	0.0000
Network Support Expense	6110	\$	0.1500	\$	0.1500	\$	0.0230	\$	0.0000	\$	0.0000	\$	0.0000
General Support	6120	\$	1.2000	\$	1.2000	\$	1.4750	\$	0.0000	\$	0.0000	\$	0.0000
COE Switching	6210	\$	0.3400	\$	0.3400	\$	-	\$	0.0000	\$	0.0000	\$	0.0400
COE Transmission	6230	\$	0.2300	\$	0.2300	\$	-	\$	0.0000	\$	0.0000	\$	0.0169
Information Orig/Term	6310	\$	0.0700	\$	0.0700	\$	0.2770	\$	0.0000	\$	0.0000	\$	0.0000
Poles	6411	\$	2.7600	\$	2.7600	\$	-	\$	0.0000	\$	0.0000	\$	0.0179
Aerial Copper Cable	6421.1	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0558
Aerial Fiber Cable	6421.2	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0029
Underground Copper Cable	6422.1	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0196
Underground Fiber Cable	6422.2	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0032
Buried Copper Cable	6423.1	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0346
Buried Fiber Cable	6423.2	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0039
Conduit Investment System	6441	\$	-	\$	-	\$	-	\$	0.0000	\$	0.0000	\$	0.0033
Other Property Plant	6510	\$	0.0300	\$	0.0300	\$	0.0240	\$	0.0000	\$	0.0000	\$	0.0000
Network Operations	6530	\$	1.3300	\$	1.3300	\$	1.9490	\$	0.0000	\$	0.0000	\$	0.0000
Marketing	6610	\$	0.3500	\$	0.3500	\$	1.4920	\$	0.0000	\$	0.0000	\$	0.0000
Services	6620	\$	2.4200	\$	2.4200	\$	0.4590	\$	0.0000	\$	0.0000	\$	0.0000
Executive and Planning	6710	\$	0.1400	\$	0.1400	\$	0.0910	\$	0.0000	\$	0.0000	\$	0.0000
General and Administrative	6720	\$	2.1500	\$	2.1500	\$	2.3470	\$	0.0000	\$	0.0000	\$	0.0000
Uncollectibles	6790	\$	0.1700	\$	0.1700	\$	0.1850	\$	0.0000	\$	0.0000	\$	0.0000
Total Expense		\$	11.34	\$	11.34	\$	8.32	\$	0.0000	\$	0.0000	\$	0.0000

AK	1.0949	0.2833	0.1300	3.90%		PR	1.1206	0.2031	0.13	0.03%
AZ	1.1242	0.0546	0.1300	3.90%						
AR	1.0051	0.1663	0.1300	3.90%						
AL	1.0875	0.1383	0.1300	3.90%						
CA	1.1714	0.3538	0.1300	3.90%						
CO	1.1474	0.0662	0.1300	3.90%						
CT	1.1036	0.0898	0.1300	3.90%						
DE	1.2661	0.0101	0.1300	3.90%						
FL	1.2106	0.1622	0.1300	1.53%						
GA	1.1078	0.0768	0.1300	3.90%						
HI	1.1897	0.3576	0.1300	3.90%						
IL	1.1048	0.1390	0.1300	3.90%						
IN	1.0647	0.1558	0.1300	3.90%						
KY	1.0301	0.2227	0.1300	3.90%						
LA	1.1114	0.0938	0.1300	3.90%						
MD	1.2046	0.6274	0.1300	3.90%						
MN	1.1057	0.0512	0.1300	3.90%						
MO	1.0870	0.1374	0.1300	3.90%						
MS	0.9969	0.1484	0.1300	3.90%						
MT	1.0552	0.1272	0.1300	3.90%						
NC	1.1246	0.1839	0.1300	3.90%						
NE	1.0774	0.1757	0.1300	3.90%						
NH	1.2532	0.6936	0.1300	3.90%						
NJ	1.3210	0.0622	0.1300	3.90%						
NM	1.0349	0.1235	0.1300	3.90%						
NY	1.2039	0.5678	0.1300	3.90%						
OK	1.0375	0.1268	0.1300	3.90%						
OR	1.0709	0.1627	0.1300	3.90%						
PA	1.1366	0.1048	0.1300	3.90%						
RJ	1.0787	0.1639	0.1300	3.90%						
SC	1.0860	0.1534	0.1300	3.90%						
SD	1.0447	0.1049	0.1300	3.90%						
TN	1.1409	0.1187	0.1300	3.90%						
TX	1.0878	0.1118	0.1300	3.90%						
VA	1.0912	0.1077	0.1300	3.90%						
VT	1.2110	0.5668	0.1300	3.90%						
WA	1.0967	0.1501	0.1300	3.90%						
WI	1.1263	0.1226	0.1300	3.90%						
WV	0.9939	0.1188	0.1300	3.90%						
WY	1.0555	0.0687	0.1300	3.90%						

## BCPM Capital Costs Inputs

Land	0	0	0%	Square Life	0.00000000	0.00000000	0.00000000
Motor Vehicle	8.1	3	12%	CG&S	1.32000000	-0.02166871	0.00633366
Special Purpose Vehicles	7	3	0%	CG&S	1.07162956	-0.00114623	0.00031873
Garage Work	12	5	0%	CG&S	0.31000000	-0.27815676	-0.12658958
Other Work	16.2	5	0%	CG&S	0.90000000	-0.42040493	-0.04232215
Building	45	31.5	3%	CG&S	0.84000000	-0.01425003	-0.00264564
Furniture	14.1	5	9%	CG&S	1.18428730	-0.10144970	0.01557655
Office Support	11.5	5	10%	CG&S	1.01000000	-29.78258800	0.28907909
General Purpose Computers	5	5	0%	CG&S	0.86000000	-0.64589646	-0.09980212
Switching	10	5	0%	CG&S	1.13339740	-0.21745512	0.02396884
Circuit/DLC	9.3	5	0%	CG&S	1.01000000	-34.63766300	0.34524843
Pole	34	15	-61%	CG&S	1.01000000	-1.57545290	0.01094999
Aerial Copper	14	15	-14%	CG&S	1.03000000	-0.34681985	0.00623705
Aerial Fiber	20	15	-15%	CG&S	1.03000000	-0.34681985	0.00623705
Underground Copper	12	15	-17%	CG&S	1.10249400	-0.33410041	0.02401188
Underground Fiber	20	15	-15%	CG&S	1.13339740	-0.21745512	0.02396884
Buried Copper	14	15	-9%	CG&S	1.06000000	-0.09682332	0.00511583
Buried Fiber	20	15	-6%	CG&S	1.06000000	-0.09682332	0.00511583
Conduit	59	15	-8%	CG&S	1.09000000	-0.00127880	-0.00020143



May 19, 1998

F. B. (Ben) Poag  
Director - Regulatory Affairs

Southern Operations  
(box 2214)  
Tallahassee, FL 32316  
Mailing FL318001017  
Long 850-599-1027  
Fax 850-599-0122

Walter D'Haeseleer  
Division of Communications  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399

**RECEIVED**

MAY 19 1998

CMU

RE: Universal Service Data Request

Dear Mr. D'Haeseleer,

Per your April 28, 1998 letter, Sprint - Florida, Inc. is providing both a hard copy and diskette containing cost proxy model inputs for Universal Service.

The FCC spreadsheet file attached to your letter contained the input categories for the Hatfield model. However, Sprint supports the Benchmark Cost Proxy Model (BCPM) and plans to utilize the BCPM model for its universal service cost study. After conversation with Dave Dowds, it was deemed acceptable for Sprint to submit the cost inputs in the BCPM model format. This format is consistent with what Sprint has previously provided to the FCC and other state Commissions in response to similar requests.

In addition to the cost inputs, Sprint has included comments supporting its position that not all cost proxy model inputs should be "global" but that the most representative forward-looking cost of providing basic service in Florida is more accurately depicted with Florida-specific, cost proxy model inputs.

If you have any questions, or require additional information please contact me at (850) 599-1027.

Sincerely,

F. Ben Poag  
Director - Regulatory Affairs

Enclosure

was the proper measure to use when calculating universal service support. Further, the FCC found that forward-looking economic costs best approximates the costs that would be incurred by an efficient carrier in the market (Order, paragraph 224). To effectively estimate the forward-looking costs of an efficient carrier in the market, the relevant characteristics of that market must be considered. Many of the factors that determine the cost of providing basic service are specific to customer location or service area as well as the company providing the service.

For these reasons, Sprint has developed a set of inputs specific to the individual geographic serving areas of its Florida operations. These inputs include actual costs associated with providing service within Sprint's Florida operating territory. The inputs were developed by analysis of work orders, special studies, and utilization of current material, labor and contract prices. Sprint's use of current cost information in developing many of the inputs is consistent with the FCC's direction in their Universal Service Order (CC Docket 96-45 of May 8, 1997) which states that "In using the term 'forward-looking economic cost', we mean the cost of producing services using the least cost, most efficient and reasonable technology currently available for purchase with all inputs valued at current prices." (Order at footnote 573, at 124). Thus, the FCC has recognized that it is appropriate to use current prices as the basis for the development of a forward-looking economic costs.

There are numerous inputs that are Florida-specific such as: structure costs, structure sharing, cable and material costs, Digital Loop Carrier (DLC) costs fill factors and cable plant mix. These inputs were developed through special studies and current

labor and material prices. Below are brief descriptions of the Florida-specific inputs provided by Sprint and the methodologies used to develop the Florida-specific values.

### **Switching Inputs**

*Switching* – Sprint inputs for the majority of the switching items are based on information developed using Bellcore's Switching Cost Information System (SCIS). The inputs reflect the calling characteristics of customers in Florida and financial information necessary to determine the cost of switching equipment used in providing local telephone service in Florida.

### **Loop Cost Inputs**

*Cable Costs* – The inputs for cable costs were developed separately for copper and fiber cable and reflect fully loaded cost, including exempt material overheads, labor and labor overheads. Fiber and copper cable inputs were based on Sprint's current material prices and Florida company specific labor and contractor prices for engineering and installation.

*Terminal Costs* – The input values reflect Sprint's actual engineering practices and include the material and labor costs for installation of drop terminals.

### **Structure Inputs**

*Structure Costs and Activity* – Structure costs, which are the installed costs for the structures supporting copper and fiber cable, are based on the specific conditions encountered in Sprint's Florida service area. Costs for buried and underground structures

were developed based on the most recent contractor prices currently in effect for 1998 within Sprint's Florida serving area. The construction activity percentages are based upon an analysis of the total 1997 actual contractor jobs for construction of feeder and distribution routes within Sprint's Florida serving area.

*Structure Sharing* – Structure sharing inputs, which impact the percent of costs assigned to telephone, were based upon an analysis of current and projected opportunities to have other entities share the cost of the support structure. For example, the percent assigned to telephone is set at 30 percent for aerial feeder to reflect existing and expected pole sharing and pole attachment agreements. On the other hand, the percent assigned to telephone for buried and underground (conduit and manhole) feeder structures is set at 95 percent for most grids to reflect the fact that sharing with other entities, such as power companies and cable companies, is limited. There are work coordination, safety, and available space considerations which make significant sharing of buried and underground construction costs unlikely.

*Pole Costs* – The input for pole material cost was calculated as the sum of the bare material cost for a standard pole from Sprint's invoiced pole cost, plus material overhead loadings. Labor associated with placing the pole consists of the contract unit cost. These assumptions reflect Sprint's actual experience in Florida.

*Anchors and Guys* – Costs for anchors and guys, including material, labor and overheads, were based on Sprint's actual experience in the Florida market.

#### **Manhole Inputs**

*Manhole Costs* – The inputs for manhole costs were obtained from current material and labor pricing incurred to purchase and install manholes by Sprint in its

*Plant Mix* – The cable plant mix inputs are developed separately for copper feeder and distribution and fiber feeder. The plant mix is based upon Sprint's actual mix of plant by the aerial, buried and underground cable.

#### **DLC Inputs**

*DLC Costs* – The inputs for DLC costs was based on bottom-up, calculated cost using Sprint's current cost for material, engineering, labor, overheads, and site preparation.

#### **Transport Inputs**

*Transport Input Table* – Selected inputs for the Transport Input Table were developed from actual data relating to Sprint's Florida operations.

*Equipment Price Table* – The inputs for the Equipment Price Table were based either on recent purchase cost or on manufacturer's quotes. The installation costs are based on recent installations and include engineering and placement costs.

*Ring Size Table* – The inputs included in this table are consistent with current engineering standards employed in sizing Sprint's interoffice fiber optic ring facilities in Florida.

#### **Miscellaneous Inputs**

*Tax Data* – Actual tax rates for Florida were utilized as inputs including the state tax rate, ad valorem and PUC tax.

switching equipment and copper cable, should be adjusted to reflect these future economic circumstances.

### **Summary**

Clearly, this factual and objective data provides the best basis for predicting the forward-looking cost of constructing telephone plant in Sprint's Florida serving area. Use of the most current available actual information serves as the best basis for estimating the forward-looking costs of providing local service in Florida.

BCPM3.1  
FLORIDA SWITCHING INPUTS

USF

CLLI	OCN	SWITCH TYPE	ENGINEERED CALLS/LINE	ENGINEERED CCS/LINE	RATIO LINES/TRK	PERCENT FILL
CFVLFLEXADSO		DMS100	1.28	3.24	11.45	0.95
DESTFLXADSO		DMS100	1.68	2.48	6.18	0.95
SNRSFLXARSO		DMS100	1.35	2.04		0.95
SGBHFLXARSO		DMS100	1.18	1.53		0.95
DFSPFLXADSO		DMS100	1.36	2.45	10.7	0.95
FRPTFLXARSO		DMS100	0.82	2.61		0.9
GLDUFLEXRSO		DMS100	0.74	3.4		0.95
PNLNPLXARSO		DMS100	1.19	3.52		0.95
MDSNFLXADSO		DMS100	1.38	3.28	8.72	0.95
GNVLFLXARSO		DMS100	1.39	4.02		0.95
CHLXFLXARSO		DMS100	1.44	3.42		0.95
LEEFLXARSO		DMS100	1.64	3.27		0.95
MNTIFLXADSO		DMS100	1.31	3.3	11.48	0.95
VLPRFLXADSO		DMS100	3.13	3.08	4.69	0.95
VLPRFLXBRSO		DMS100	2.48	3.6		0.95
ALSPFLXADSO		DMS100	2.43	3.42	4.03	0.95
ALSPFLXA21W		DMS100	4.03	2.97		0.85
BVHFLXADSO		DMS100	0.54	1.82	5.9	0.9
HMSPPFLXARSO		DMS100	0.79	2.01		0.97
BLVWFLXADSO		DMS100	0.76	2.52	4.3	0.95
SVSSFLXARSO		DMS100	0.83	2.77		0.97
CLMTFLXADSO		DMS100	1.4	2.87	8.32	0.9
GVLDPLXARSO		DMS100	1.42	2.8		0.95
APPKFLXADSO		DMS100	1.23	3.06	3.4	0.95
WNDRFLXARSO		DMS100	1.3	2.58		0.9
CPHZFLXADSO		DMS100	0.56	1.95	3.8	0.9
CSLSBFLXADSO		DMS100	0.62	3.19	5.38	0.9
CYLFPLXADSO		DMS100	1.33	2.25	10.36	0.9
DOCYFLXADSO		DMS100	1.48	2.83	6.06	0.9
SNANFLXARSO		DMS100	0.99	2.92		0.9
TLCFLXARSO		DMS100	1.23	2.95		0.9
FTMYFLXADSO		DMS100	2.17	3.07	2.34	0.9
GLRQFLXADSO		DMS100	1.28	3.07	5.4	0.9
LBLUFLXADSO		DMS100	1.07	2.09	7.8	0.95
CLTNFLXARSO		DMS100	1.59	2.42		0.9
MRHNFLXARSO		DMS100	0.75	2.12		0.9
LHACFLXADSO		DMS100	0.97	2.18	14.99	0.9
LXBARFLXADSO		DMS100	1.92	3.41	6.24	0.9
LSBGFLXADSO		DMS100	1.87	2.69	4.24	0.9
HOWYFLXARSO		DMS100	1.11	2.61		0.85
WLWDFLXARSO		DMS100	1.05	2.3		0.9
MTLDFLXADSO		DMS100	3.01	4.81	3.29	0.9
NFMYFLXADSO		DMS100	0.98	1.88	8.58	0.9
NNPFLXADSO		DMS100	1.13	2.01	5.61	0.9
ORCYFLXADSO		DMS100	1.12	2.36	3.53	0.9
LKHFLXARSO		DMS100	1.14	2.89		0.97
OCALFLXBDSO		DMS100	1.83	3.39	4.78	0.9
SSPRFLXARSO		DMS100	0.48	2.03		0.95
SBNQFLXADSO		DMS100	1.96	3.38	4.58	0.95
SLHLFLXARSO		DMS100	0.72	1.8		0.9
LKPCFLXARSO		DMS100	1.14	2.24		0.9
TVRSFLXADSO		DMS100	1.29	2.2	5.79	0.95
UMTFLXARSO		DMS100	0.89	2.45		0.9
ASTRFLXARSO		DMS100	0.37	1.79		0.97
KSSMPLXDRSO		DMS100	1.44	2.73	2.52	0.9
WNPKFLXADSO		DMS100	2.47	3.63	3.46	0.9
FTWBFLXADSO		DMS100	1.4	2.72	9.27	0.95
SHMFPLXADSO		DMS100	1.28	2.92	8.02	0.95
TLHSFLXBDSO		DMS100	1.73	3.31	5.81	0.95
TLHSFLXCDSO		DMS100	1.99	3.8	5.82	0.95
TLHSFLXDOSO		DMS100	1.84	3.3	3.45	0.95
TLHSFLXFDSO		DMS100	1.19	3.39	7.65	0.95
TLHSFLXHDOSO		DMS100	1.24	3.5	5.74	0.95
TLHSFLXADSO		DMS100	3.04	3.49	16.7	0.95

SW USER DATA INPUT

**BCPM3.1**  
**FLORIDA SWITCHING INPUTS**

**USF**

**GLOBAL Input Table**

Excess CCS\_Option - Input = U

**SW Discount Factor Table**

	<u>New Disc. Rate</u>	<u>Growth Disc. Rate</u>	<u>% New Lines</u>	<u>MDF/PROT</u>
5ESS	57.5	57.5	100	20
DMS100	69.85	69.85	100	20

GLOBAL INPUTS

**Sprint-Florida Inc.**  
**Universal Service Fund**  
**Loop Inputs**

Jump Cast Inputs

Sprint Florida, Inc.

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Buried Drift Creek

Aerial Drift (cm)		Density 20°C		Density 60°C		Density 80°C		Density 90°C		Density 100°C	
	Rate	Adjustment	Total	Adjustment	Total	Adjustment	Total	Adjustment	Total	Adjustment	Total
Rate	1	0.77	1	0.77	1	0.77	1	0.77	1	0.77	1
Adjustment	1	0.77	1	0.77	1	0.77	1	0.77	1	0.77	1
Total	1	0.77	1	0.77	1	0.77	1	0.77	1	0.77	1

ESTATE PLANNING

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Fiber - Untergrund	Wert
Base	100
20%	144
90%	60
75%	48
50%	36
25%	24
10%	18
1%	12

Fitter - Buried

Terminal Cottages

Dordogne S.A.I.C. route C'monkey long

Indice SAI/Building (Inclui lista com as publicações)

Item	Description	Fixed Costs			Debt Service		Debt Service		
		Interest Only	Interest Only	Total	Interest	Principle	Total	Interest	Principle
15	\$ 348.00	\$ 348.00	\$ 348.00	\$ 348.00	\$ 348.00	\$ 0.00	\$ 348.00	\$ 348.00	\$ 0.00
20	\$ 409.43	\$ 409.43	\$ 409.43	\$ 409.43	\$ 409.43	\$ 0.00	\$ 409.43	\$ 409.43	\$ 0.00
100	\$ 811.60	\$ 811.60	\$ 811.60	\$ 811.60	\$ 811.60	\$ 0.00	\$ 811.60	\$ 811.60	\$ 0.00
200	\$ 1,283.09	\$ 1,283.09	\$ 1,283.09	\$ 1,283.09	\$ 1,283.09	\$ 0.00	\$ 1,283.09	\$ 1,283.09	\$ 0.00
300	\$ 1,963.71	\$ 1,963.71	\$ 1,963.71	\$ 1,963.71	\$ 1,963.71	\$ 0.00	\$ 1,963.71	\$ 1,963.71	\$ 0.00
400	\$ 2,334.03	\$ 2,334.03	\$ 2,334.03	\$ 2,334.03	\$ 2,334.03	\$ 0.00	\$ 2,334.03	\$ 2,334.03	\$ 0.00
600	\$ 3,717.00	\$ 3,717.00	\$ 3,717.00	\$ 3,717.00	\$ 3,717.00	\$ 0.00	\$ 3,717.00	\$ 3,717.00	\$ 0.00
900	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36	\$ 0.00	\$ 4,901.36	\$ 4,901.36	\$ 0.00
1,200	\$ 6,483.06	\$ 6,483.06	\$ 6,483.06	\$ 6,483.06	\$ 6,483.06	\$ 0.00	\$ 6,483.06	\$ 6,483.06	\$ 0.00
1,800	\$ 8,634.36	\$ 8,634.36	\$ 8,634.36	\$ 8,634.36	\$ 8,634.36	\$ 0.00	\$ 8,634.36	\$ 8,634.36	\$ 0.00
2,100	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80	\$ 0.00	\$ 11,095.80	\$ 11,095.80	\$ 0.00
2,400	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71	\$ 0.00	\$ 13,559.71	\$ 13,559.71	\$ 0.00
3,000	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77	\$ 0.00	\$ 16,669.77	\$ 16,669.77	\$ 0.00
4,000	\$ 19,965.42	\$ 19,965.42	\$ 19,965.42	\$ 19,965.42	\$ 19,965.42	\$ 0.00	\$ 19,965.42	\$ 19,965.42	\$ 0.00
4,500	\$ 21,362.42	\$ 21,362.42	\$ 21,362.42	\$ 21,362.42	\$ 21,362.42	\$ 0.00	\$ 21,362.42	\$ 21,362.42	\$ 0.00

Terminal Costs

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Lamp Court Impacts

Spring Florida, Inc.

Group	Parameter	Value	Description
Group 1	Parameter A	1.234567890	Value 1
Group 1	Parameter B	9.876543210	Value 2
Group 2	Parameter C	0.987654321	Value 3
Group 2	Parameter D	8.765432109	Value 4

### Cable Costs

Wire Gauge	Length	Area	Resistance
14	1000	0.0203	4.300
16	1000	0.0132	6.000
18	1000	0.0084	9.000
20	1000	0.0051	14.000
22	1000	0.0033	21.000
24	1000	0.0021	31.000
26	1000	0.0013	49.000
28	1000	0.0008	70.000
30	1000	0.0005	93.000
32	1000	0.0003	120.000
34	1000	0.0002	150.000
36	1000	0.0001	180.000
38	1000	0.00006	210.000
40	1000	0.00004	240.000
42	1000	0.00002	280.000
44	1000	0.00001	320.000

24 Gauge Cable - Dual Shield

## 24 Gauge Cable - Aerial

Size	PLATE COSTS					TUBE COSTS		LEADERSHIP		LEADERSHIP Total		LEADERSHIP 10% 20%	
	Material Cost	Shipping Cost	Yard	Plating	20% Off	Transport	Admittance	Total	Admittance	Total	Admittance	Total	
4/0	\$ 11.99	\$ 11.88	\$ 2.04	\$ 1.91	\$ 2.09	\$ 0.00	\$ 1	\$ 21.99	\$ 1	\$ 21.99	\$ 1	\$ 21.99	
3/0	\$ 27.28	\$ 26.51	\$ 1.94	\$ 1.81	\$ 2.48	\$ 0.00	\$ 1	\$ 43.06	\$ 1	\$ 43.06	\$ 1	\$ 43.06	
2/0	\$ 23.59	\$ 22.24	\$ 1.47	\$ 1.31	\$ 2.07	\$ 0.00	\$ 1	\$ 37.43	\$ 1	\$ 37.43	\$ 1	\$ 37.43	
1/0	\$ 16.14	\$ 15.64	\$ 0.97	\$ 1.11	\$ 1.63	\$ 0.00	\$ 1	\$ 26.51	\$ 1	\$ 26.51	\$ 1	\$ 26.51	
7/0	\$ 14.01	\$ 13.94	\$ 1.11	\$ 1.01	\$ 1.61	\$ 0.00	\$ 1	\$ 23.67	\$ 1	\$ 23.67	\$ 1	\$ 23.67	
10/0	\$ 11.87	\$ 4.15	\$ 0.71	\$ 1.51	\$ 1.55	\$ 0.00	\$ 1	\$ 20.79	\$ 1	\$ 20.79	\$ 1	\$ 20.79	
12/0	\$ 8.27	\$ 2.19	\$ 0.34	\$ 1.11	\$ 1.17	\$ 0.00	\$ 1	\$ 12.12	\$ 1	\$ 12.12	\$ 1	\$ 12.12	
14/0	\$ 6.63	\$ 1.97	\$ 1.34	\$ 1.31	\$ 1.03	\$ 0.00	\$ 1	\$ 11.08	\$ 1	\$ 11.08	\$ 1	\$ 11.08	
16/0	\$ 3.79	\$ 1.32	\$ 0.23	\$ 1.31	\$ 1.04	\$ 0.00	\$ 1	\$ 8.49	\$ 1	\$ 8.49	\$ 1	\$ 8.49	
18/0	\$ 2.55	\$ 0.85	\$ 0.13	\$ 0.42	\$ 1.24	\$ 0.00	\$ 1	\$ 6.11	\$ 1	\$ 6.11	\$ 1	\$ 6.11	
20/0	\$ 2.08	\$ 0.73	\$ 0.11	\$ 0.42	\$ 1.11	\$ 0.00	\$ 1	\$ 3.78	\$ 1	\$ 3.78	\$ 1	\$ 3.78	
22/0	\$ 1.80	\$ 0.52	\$ 0.09	\$ 0.42	\$ 1.43	\$ 0.00	\$ 1	\$ 4.56	\$ 1	\$ 4.56	\$ 1	\$ 4.56	
24/0	\$ 1.49	\$ 0.24	\$ 0.04	\$ 0.42	\$ 1.13	\$ 0.00	\$ 1	\$ 1.12	\$ 1	\$ 1.12	\$ 1	\$ 1.12	
26/0	\$ 0.40	\$ 0.14	\$ 0.02	\$ 0.42	\$ 1.02	\$ 0.00	\$ 1	\$ 2.00	\$ 1	\$ 2.00	\$ 1	\$ 2.00	
28/0	\$ 0.23	\$ 0.08	\$ 0.01	\$ 0.42	\$ 0.90	\$ 0.00	\$ 1	\$ 1.12	\$ 1	\$ 1.12	\$ 1	\$ 1.12	
30/0	\$ 0.26	\$ 0.09	\$ 0.02	\$ 0.42	\$ 0.73	\$ 0.00	\$ 1	\$ 1.06	\$ 1	\$ 1.06	\$ 1	\$ 1.06	
32/0	\$ 0.17	\$ 0.06	\$ 0.01	\$ 0.42	\$ 0.60	\$ 0.00	\$ 1	\$ 1.04	\$ 1	\$ 1.04	\$ 1	\$ 1.04	

## 26 Gauge Cable - Underground Copper

Size	PLATE COSTS					TUBE COSTS		LEADERSHIP		LEADERSHIP Total		LEADERSHIP 10% 20%	
	Material Cost	Shipping Cost	Yard	Plating	20% Off	Transport	Admittance	Total	Admittance	Total	Admittance	Total	
4/0	\$ 21.63	\$ 10.31	\$ 1.06	\$ 1.07	\$ 13.03	\$ 0.00	\$ 1	\$ 34.31	\$ 1	\$ 34.31	\$ 1	\$ 34.31	
3/0	\$ 20.85	\$ 8.13	\$ 1.11	\$ 1.02	\$ 11.19	\$ 0.00	\$ 1	\$ 44.36	\$ 1	\$ 44.36	\$ 1	\$ 44.36	
2/0	\$ 19.06	\$ 7.11	\$ 1.14	\$ 1.07	\$ 9.11	\$ 0.00	\$ 1	\$ 38.68	\$ 1	\$ 38.68	\$ 1	\$ 38.68	
1/0	\$ 12.23	\$ 4.63	\$ 0.73	\$ 0.73	\$ 7.43	\$ 0.00	\$ 1	\$ 23.23	\$ 1	\$ 23.23	\$ 1	\$ 23.23	
7/0	\$ 10.84	\$ 4.04	\$ 0.63	\$ 0.67	\$ 6.13	\$ 0.00	\$ 1	\$ 23.92	\$ 1	\$ 23.92	\$ 1	\$ 23.92	
10/0	\$ 9.13	\$ 3.41	\$ 0.53	\$ 0.53	\$ 5.59	\$ 0.00	\$ 1	\$ 20.56	\$ 1	\$ 20.56	\$ 1	\$ 20.56	
12/0	\$ 4.46	\$ 1.66	\$ 0.27	\$ 0.67	\$ 3.72	\$ 0.00	\$ 1	\$ 11.93	\$ 1	\$ 11.93	\$ 1	\$ 11.93	
14/0	\$ 2.77	\$ 1.79	\$ 0.26	\$ 0.67	\$ 2.78	\$ 0.00	\$ 1	\$ 10.76	\$ 1	\$ 10.76	\$ 1	\$ 10.76	
16/0	\$ 1.88	\$ 1.03	\$ 0.17	\$ 0.67	\$ 1.88	\$ 0.00	\$ 1	\$ 7.66	\$ 1	\$ 7.66	\$ 1	\$ 7.66	
18/0	\$ 1.95	\$ 0.73	\$ 0.12	\$ 0.67	\$ 1.14	\$ 0.00	\$ 1	\$ 7.80	\$ 1	\$ 7.80	\$ 1	\$ 7.80	
20/0	\$ 1.64	\$ 0.61	\$ 0.10	\$ 0.67	\$ 1.17	\$ 0.00	\$ 1	\$ 6.58	\$ 1	\$ 6.58	\$ 1	\$ 6.58	
22/0	\$ 1.20	\$ 0.43	\$ 0.07	\$ 0.67	\$ 0.93	\$ 0.00	\$ 1	\$ 5.13	\$ 1	\$ 5.13	\$ 1	\$ 5.13	
24/0	\$ 0.54	\$ 0.20	\$ 0.03	\$ 0.67	\$ 1.23	\$ 0.00	\$ 1	\$ 3.86	\$ 1	\$ 3.86	\$ 1	\$ 3.86	
26/0	\$ 0.21	\$ 0.12	\$ 0.02	\$ 0.67	\$ 0.79	\$ 0.00	\$ 1	\$ 3.42	\$ 1	\$ 3.42	\$ 1	\$ 3.42	
28/0	\$ 0.19	\$ 0.07	\$ 0.01	\$ 0.67	\$ 0.67	\$ 0.00	\$ 1	\$ 3.19	\$ 1	\$ 3.19	\$ 1	\$ 3.19	
30/0	\$ 0.15	\$ 0.09	\$ 0.01	\$ 0.67	\$ 0.61	\$ 0.00	\$ 1	\$ 2.80	\$ 1	\$ 2.80	\$ 1	\$ 2.80	
32/0	\$ 0.13	\$ 0.06	\$ 0.01	\$ 0.67	\$ 0.43	\$ 0.00	\$ 1	\$ 2.51	\$ 1	\$ 2.51	\$ 1	\$ 2.51	

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26 Gauge Cable - Underground

26 L'Espresso - 21 aprile 1994

Group	Age	Sex	Mean		SD																	
			Age	Height	SD	SD																
12.1	12.1	S	12.1	151.5	2.2	2.1	12.1	151.5	2.1	2.1	12.1	151.5	2.1	2.1	12.1	151.5	2.1	2.1	12.1	151.5	2.1	2.1
96.1	96.1	S	96.1	151.5	2.0	2.0	96.1	151.5	2.0	2.0	96.1	151.5	2.0	2.0	96.1	151.5	2.0	2.0	96.1	151.5	2.0	2.0
97.2	97.2	S	97.2	151.5	2.0	2.0	97.2	151.5	2.0	2.0	97.2	151.5	2.0	2.0	97.2	151.5	2.0	2.0	97.2	151.5	2.0	2.0
89.2	89.2	S	89.2	151.5	2.0	2.0	89.2	151.5	2.0	2.0	89.2	151.5	2.0	2.0	89.2	151.5	2.0	2.0	89.2	151.5	2.0	2.0
16.2	16.2	S	16.2	151.5	2.0	2.0	16.2	151.5	2.0	2.0	16.2	151.5	2.0	2.0	16.2	151.5	2.0	2.0	16.2	151.5	2.0	2.0
61.8	61.8	S	61.8	151.5	2.0	2.0	61.8	151.5	2.0	2.0	61.8	151.5	2.0	2.0	61.8	151.5	2.0	2.0	61.8	151.5	2.0	2.0
109.9	109.9	S	109.9	151.5	2.0	2.0	109.9	151.5	2.0	2.0	109.9	151.5	2.0	2.0	109.9	151.5	2.0	2.0	109.9	151.5	2.0	2.0
19.5	19.5	S	19.5	151.5	2.0	2.0	19.5	151.5	2.0	2.0	19.5	151.5	2.0	2.0	19.5	151.5	2.0	2.0	19.5	151.5	2.0	2.0
15.9	15.9	S	15.9	151.5	2.0	2.0	15.9	151.5	2.0	2.0	15.9	151.5	2.0	2.0	15.9	151.5	2.0	2.0	15.9	151.5	2.0	2.0
108.2	108.2	S	108.2	151.5	2.0	2.0	108.2	151.5	2.0	2.0	108.2	151.5	2.0	2.0	108.2	151.5	2.0	2.0	108.2	151.5	2.0	2.0
82.6	82.6	S	82.6	151.5	2.0	2.0	82.6	151.5	2.0	2.0	82.6	151.5	2.0	2.0	82.6	151.5	2.0	2.0	82.6	151.5	2.0	2.0
28.3	28.3	S	28.3	151.5	2.0	2.0	28.3	151.5	2.0	2.0	28.3	151.5	2.0	2.0	28.3	151.5	2.0	2.0	28.3	151.5	2.0	2.0
69.6	69.6	S	69.6	151.5	2.0	2.0	69.6	151.5	2.0	2.0	69.6	151.5	2.0	2.0	69.6	151.5	2.0	2.0	69.6	151.5	2.0	2.0
58.2	58.2	S	58.2	151.5	2.0	2.0	58.2	151.5	2.0	2.0	58.2	151.5	2.0	2.0	58.2	151.5	2.0	2.0	58.2	151.5	2.0	2.0
91.5	91.5	S	91.5	151.5	2.0	2.0	91.5	151.5	2.0	2.0	91.5	151.5	2.0	2.0	91.5	151.5	2.0	2.0	91.5	151.5	2.0	2.0
92.2	92.2	S	92.2	151.5	2.0	2.0	92.2	151.5	2.0	2.0	92.2	151.5	2.0	2.0	92.2	151.5	2.0	2.0	92.2	151.5	2.0	2.0

The Gauge Cable - Aerial

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## Normal Structure

Normal - Freeder C' conduct		None		DENSITY 0.10		DENSITY 0.100		DENSITY 10.120		DENSITY 101.200	
Activity		Cost Per Foot Installed	Cost C/m	% Activity	% Augmented Telephone	Weighted Average	Cost	% Activity	% Augmented Telephone	Weighted Average	Cost
Trench & Backfill	\$	1.90	\$	70.41%	100.00%	\$	1.64	100.00%	97.90%	\$	1.71
Backfill Trench	\$	1.90	\$	0.00%	100.00%	\$	1.90	100.00%	97.90%	\$	1.90
Backhoe Trench	\$	1.90	\$	0.00%	100.00%	\$	1.90	100.00%	97.90%	\$	1.90
Land Clearing	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Boring	\$	15.15	\$	0.1%	100.00%	\$	0.12	100.00%	97.90%	\$	0.12
Cat A Excavator	\$	12.63	\$	0.5%	100.00%	\$	0.07	100.00%	97.90%	\$	0.07
Cat B Excavator	\$	13.17	\$	0.00%	100.00%	\$	0.11%	100.00%	97.90%	\$	0.11
Cat B Backhoe	\$	1.90	\$	2.4%	100.00%	\$	0.03	100.00%	97.90%	\$	0.03
Total	\$	100.00%	\$	7.10	100.00%	\$	1.71	100.00%	97.90%	\$	1.71

## Normal - Distribution Casing

Normal - Distribution Casing		None		DENSITY 0.5		DENSITY 6.00		DENSITY 60.00		DENSITY 601.200	
Activity		Cost Per Foot Installed	Cost C/m	% Activity	% Augmented Telephone	Weighted Average	Cost	% Activity	% Augmented Telephone	Weighted Average	Cost
French & Backfill	\$	1.90	\$	98.81%	100.00%	\$	1.84	100.00%	97.90%	\$	1.74
Blower Trench	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Backhoe Trench	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Land Clearing	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Boring	\$	15.15	\$	0.1%	100.00%	\$	0.02	100.00%	97.90%	\$	0.02
Cat A Excavator	\$	12.63	\$	0.5%	100.00%	\$	0.07	100.00%	97.90%	\$	0.07
Cat B Backhoe	\$	13.17	\$	0.00%	100.00%	\$	0.11%	100.00%	97.90%	\$	0.11
Total	\$	100.00%	\$	2.00	100.00%	\$	1.74	100.00%	97.90%	\$	1.74

## Normal - Buried Freeder Cable

Normal - Buried Freeder Cable		None		DENSITY 0.5		DENSITY 6.00		DENSITY 60.00		DENSITY 601.200	
Activity		Cost Per Foot Installed	Cost C/m	% Activity	% Augmented Telephone	Weighted Average	Cost	% Activity	% Augmented Telephone	Weighted Average	Cost
French	\$	1.90	\$	93.37%	100.00%	\$	1.77	100.00%	92.91%	\$	1.77
Blower	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	100.00%	\$	1.90
French & Backfill	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Blower Trench	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Backhoe Trench	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Land Clearing	\$	1.90	\$	0.00%	100.00%	\$	1.90	0.00%	97.90%	\$	1.90
Boring	\$	15.15	\$	0.15%	100.00%	\$	0.02	100.00%	97.90%	\$	0.02
Cat A Excavator	\$	10.11	\$	1.5%	100.00%	\$	0.36	100.00%	97.90%	\$	0.36
Cat B Backhoe	\$	12.63	\$	0.5%	100.00%	\$	0.07	100.00%	97.90%	\$	0.07
Total	\$	100.00%	\$	1.17	100.00%	\$	0.12%	100.00%	97.90%	\$	0.12

## Normal Structure

Normal - Preorder Constraint

		Density 201-650			Density 431-850			Density 631-2500					
Activity		Cost Adjustment	% Activity	% Assigned	Weighted	Cost Adjustment	% Activity	% Assigned	Weighted	Cost Adjustment	% Activity	% Assigned	Weighted
100% & Hardship	1	-	95.30%	5	1.73	-	94.43%	5	1.71	-	94.13%	5	1.70
Risky French	1	-	0.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
Unlikely French	1	-	0.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
Small Dog French	1	-	0.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
Placing	1	-	0.17%	5	0.11	-	0.17%	5	0.11	-	0.17%	5	0.11
1st & Reserve AlphaB	1	-	0.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
1st & Reserve Concrete	1	-	0.81%	5	0.10	-	0.81%	5	0.10	-	0.81%	5	0.11
1st & Reserve Sand	1	-	2.00%	5	0.12	-	2.00%	5	0.12	-	2.00%	5	0.12
2nd & Reserve Sand	1	-	100.00%	5	2.11	-	100.00%	5	2.11	-	100.00%	5	2.11

Normal - Distribution Constraint

		Density 201-650			Density 431-850			Density 631-2500					
Activity		Cost Adjustment	% Activity	% Assigned	Weighted	Cost Adjustment	% Activity	% Assigned	Weighted	Cost Adjustment	% Activity	% Assigned	Weighted
Crash & Maxoff	1	0.00%	90.00%	5	1.03	-	94.83%	5	1.02	-	94.13%	5	1.01
Risky French	1	0.00%	90.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
Unlikely French	1	0.00%	90.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
Small Dog French	1	0.00%	90.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
Placing	1	0.00%	90.00%	5	-	-	0.00%	5	-	-	0.00%	5	-
1st & Reserve AlphaB	1	0.00%	90.00%	5	0.11	-	0.00%	5	0.11	-	0.00%	5	0.11
1st & Reserve Concrete	1	0.17%	90.00%	5	0.09	-	0.00%	5	0.09	-	0.00%	5	0.11
1st & Reserve Sand	1	2.00%	90.00%	5	0.11	-	0.00%	5	0.11	-	0.00%	5	0.11
2nd & Reserve Sand	1	-	100.00%	5	2.11	-	100.00%	5	2.11	-	100.00%	5	2.11

Normal - Preorder Constraint

		Density 201-650			Density 431-850			Density 631-2500					
Activity		Cost Adjustment	% Activity	% Assigned	Weighted	Cost Adjustment	% Activity	% Assigned	Weighted	Cost Adjustment	% Activity	% Assigned	Weighted
Home	1	91.92%	100.00%	5	1.73	-	91.43%	100.00%	1.74	-	90.94%	100.00%	1.73
Wacky Phone	1	0.00%	100.00%	5	-	-	0.00%	100.00%	-	-	0.00%	100.00%	-
French & French	1	0.00%	95.00%	5	-	-	0.00%	95.00%	-	-	0.00%	95.00%	-
Risky French	1	0.00%	95.00%	5	-	-	0.00%	95.00%	-	-	0.00%	95.00%	-
Unlikely French	1	0.00%	95.00%	5	-	-	0.00%	95.00%	-	-	0.00%	95.00%	-
Small Dog French	1	0.00%	95.00%	5	-	-	0.00%	95.00%	-	-	0.00%	95.00%	-
Placing	1	0.00%	95.00%	5	0.11	-	0.00%	95.00%	0.11	-	0.00%	95.00%	0.11
1st & Reserve AlphaB	1	0.00%	95.00%	5	0.09	-	0.00%	95.00%	0.09	-	0.00%	95.00%	0.11
1st & Reserve Concrete	1	0.00%	95.00%	5	0.12	-	0.00%	95.00%	0.12	-	0.00%	95.00%	0.11
2nd & Reserve Sand	1	2.01%	95.00%	5	0.09	-	0.00%	95.00%	0.09	-	0.00%	95.00%	0.05
3rd & Reserve Sand	1	-	100.00%	5	2.00	-	100.00%	5	2.00	-	100.00%	5	2.00

Normal - Buried Distribution Cable		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot Buried	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	100	1	100	1	100	1
Highly Urban	1	100	1	100	1	100	1
Trough & Backfill	1	100	1	100	1	100	1
Heavy Trough	1	100	1	100	1	100	1
Light Trough	1	100	1	100	1	100	1
Point Long Trough	1	100	1	100	1	100	1
Deep Trough	1	100	1	100	1	100	1
Point Type & Point	1	100	1	100	1	100	1
Valley & Riverbank	1	100	1	100	1	100	1
Valley & Riverbank Concave	1	100	1	100	1	100	1
Valley & Riverbank Solid	1	100	1	100	1	100	1
Total	100	1	100	1	100	1	100
Normal - Aerial Feeder Cable							
Aerial		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	250.00	1	204.00	1	204.00	1
Highly Urban	1	44.00	1	39.00	1	39.00	1
Point and Trough	1	-	1	-	1	-	1
Total	250.00	1	204.00	1	204.00	1	204.00
Normal - Aerial Distribution Cable							
Aerial		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	250.00	1	204.00	1	204.00	1
Highly Urban	1	44.00	1	39.00	1	39.00	1
Point and Trough	1	-	1	-	1	-	1
Total	250.00	1	204.00	1	204.00	1	204.00
Soft Rock Structure							
Soft Rock - Feeder Clandfill		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	100	1	100	1	100	1
Highly Urban	1	100	1	100	1	100	1
Trough & Backfill	1	100	1	100	1	100	1
Heavy Trough	1	100	1	100	1	100	1
Light Trough	1	100	1	100	1	100	1
Point Long Trough	1	100	1	100	1	100	1
Point Type & Point	1	100	1	100	1	100	1
Valley & Riverbank	1	100	1	100	1	100	1
Valley & Riverbank Concave	1	100	1	100	1	100	1
Valley & Riverbank Solid	1	100	1	100	1	100	1
Total	100	1	100	1	100	1	100

Normal - Aerial Feeder Cable		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	250.00	1	204.00	1	204.00	1
Highly Urban	1	44.00	1	39.00	1	39.00	1
Point and Trough	1	-	1	-	1	-	1
Total	250.00	1	204.00	1	204.00	1	204.00
Normal - Aerial Distribution Cable		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	250.00	1	204.00	1	204.00	1
Highly Urban	1	44.00	1	39.00	1	39.00	1
Point and Trough	1	-	1	-	1	-	1
Total	250.00	1	204.00	1	204.00	1	204.00
Soft Rock Structure		Intensity 0.5		Intensity 0.6, H.O.		Intensity 0.7, S.G.	
Activity	Line Per Foot	% Adj.	% Antennae	% Antennae	Weighted Antennae	% Adj.	% Antennae
Power	1	100	1	100	1	100	1
Highly Urban	1	100	1	100	1	100	1
Trough & Backfill	1	100	1	100	1	100	1
Heavy Trough	1	100	1	100	1	100	1
Light Trough	1	100	1	100	1	100	1
Point Long Trough	1	100	1	100	1	100	1
Point Type & Point	1	100	1	100	1	100	1
Valley & Riverbank	1	100	1	100	1	100	1
Valley & Riverbank Concave	1	100	1	100	1	100	1
Valley & Riverbank Solid	1	100	1	100	1	100	1
Total	100	1	100	1	100	1	100

Normal - Aerial Feeding Cables

Activity	Density 2011-2012			Density 2013-2014			Density 2014-2015						
	Class Administration	% Activity	% Assigned	Weighted	Class Administration	% Activity	% Assigned	Weighted	Class Administration	% Activity	% Assigned	Weighted	
Prayer	\$	-	91.47%	100.00%	\$	1.71	\$	91.47%	100.00%	\$	1.71	\$	
French Prayer	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
French & Blackmail	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
French French	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
French & French	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
French Long French	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
French Cuban	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
French Prayer & French Cuban	\$	-	91.47%	100.00%	\$	0.00%	\$	91.47%	100.00%	\$	0.00%	\$	
Var. B. Romance Anglaise	\$	0.77%	90.30%	\$	0.00%	\$	0.83%	90.30%	\$	0.00%	\$	0.83%	\$
Var. B. Romance L'Amourante	\$	0.77%	90.30%	\$	0.11	\$	1.11%	90.30%	\$	0.19	\$	1.47%	\$
Var. B. Romance Sard	\$	0.77%	90.30%	\$	0.01	\$	0.83%	90.30%	\$	0.01	\$	1.77%	\$
Total Densities	\$	2.65	100.00%	\$	2.11	100.00%	\$	2.11	100.00%	\$	2.11	100.00%	

Normal-Artist Distribution Cab

Normal - Aerial Distribution Cab									
DENSITY 20-400					DENSITY 511-550				
Activity		Is Assigned		Weighted	Is Assigned		Weighted	Is Assigned	
Civil Adjustment	Industrious Ctr	Telphones	Airlines	Civil Adjustment	Industrious Ctr	Telphones	Airlines	Civil Adjustment	Industrious Ctr
Poles	\$ 294.00	20.00%	\$ 164.70	\$ 294.00	20.00%	\$ 164.70		\$ 294.00	20.00%
Asbestos and Glass	\$ 299.00	100.00%	\$ 46.17	\$ 299.00	100.00%	\$ 46.17		\$ 299.00	100.00%
	\$ 593.00	100.00%	\$ 210.87	\$ 593.00	100.00%	\$ 210.87		\$ 593.00	100.00%
DENSITY 411-450					DENSITY 451-500				
Activity		Is Assigned		Weighted	Is Assigned		Weighted	Is Assigned	
Civil Adjustment	Industrious Ctr	Telphones	Airlines	Civil Adjustment	Industrious Ctr	Telphones	Airlines	Civil Adjustment	Industrious Ctr
Poles	\$ 294.00	20.00%	\$ 164.70	\$ 294.00	20.00%	\$ 164.70		\$ 294.00	20.00%
Asbestos and Glass	\$ 299.00	100.00%	\$ 46.17	\$ 299.00	100.00%	\$ 46.17		\$ 299.00	100.00%
	\$ 593.00	100.00%	\$ 210.87	\$ 593.00	100.00%	\$ 210.87		\$ 593.00	100.00%
DENSITY 451-500					DENSITY 511-550				
Activity		Is Assigned		Weighted	Is Assigned		Weighted	Is Assigned	
Civil Adjustment	Industrious Ctr	Telphones	Airlines	Civil Adjustment	Industrious Ctr	Telphones	Airlines	Civil Adjustment	Industrious Ctr
Poles	\$ 294.00	20.00%	\$ 164.70	\$ 294.00	20.00%	\$ 164.70		\$ 294.00	20.00%
Asbestos and Glass	\$ 299.00	100.00%	\$ 46.17	\$ 299.00	100.00%	\$ 46.17		\$ 299.00	100.00%
	\$ 593.00	100.00%	\$ 210.87	\$ 593.00	100.00%	\$ 210.87		\$ 593.00	100.00%

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Soft Rock - Distribution & Indus

Name	[80-151] 0.1			[80-151] 0.0			[80-151] 0.0			
	Count Pre-Prod	Count	% Adjusted	Count	% Adjusted	Count	Count Pre-Prod	Count	% Adjusted	
French & English	5	100	1	76.51%	1	1.64	1	76.51%	1	1.74
Weakly French	5	95	1	90.48%	1	1.64	5	90.48%	5	0.00%
Darkblue French	5	90	1	89.08%	1	1.64	5	89.08%	5	0.00%
French Eng.	5	90	1	89.08%	1	1.64	5	89.08%	5	0.00%
French	5	90	1	89.08%	1	1.64	5	89.08%	5	0.00%
French	5	13.55	1	0.19%	5	0.02	5	0.19%	5	0.00%
Weakly French	5	12.63	1	0.19%	5	0.01	5	0.19%	5	0.00%
Weakly French	5	13.11	1	0.19%	5	0.01	5	0.19%	5	0.00%
Weakly French	5	100	1	100.00%	1	0.01	5	100.00%	5	0.01
Total	5	100	1	100.00%	1	1.64	5	100.00%	5	2.27%

Schrift Ruck + Harald Freudenthal

Soft Rock - Hard Distribution (Table)

Sofia Kocka - Discretionary Capital

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Answer	1980-1981			1981-1982			1982-1983			1983-1984		
	Out Adjustment	% Answer	% Arranged Telephone	Out Adjustment	% Answer	% Arranged Telephone	Out Adjustment	% Answer	% Arranged Telephone	Out Adjustment	% Answer	% Arranged Telephone
None	\$ 1	91.92%	100.00%	\$ 1	1.71	5	\$ 1	91.41%	100.00%	\$ 1	1.24	1
Ready Phone	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%
Treach & Readiness	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%
Ready Treach	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%
Readiness Treach	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%
Ready Ding Treach	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%	\$ 1	0.00%	100.00%
Read Citable	\$ 1	0.00%	100.00%	\$ 1	0.11	1	\$ 1	1.11%	100.00%	\$ 1	0.16	1
Push Piggy & Full Citable	\$ 1	1.00%	100.00%	\$ 1	0.15	1	\$ 1	1.00%	100.00%	\$ 1	0.15	1
Cat & Bremen Approach	\$ 1	0.77%	100.00%	\$ 1	0.09	1	\$ 1	0.13%	100.00%	\$ 1	0.10	1
Cat & Bremen Cursive	\$ 1	0.77%	100.00%	\$ 1	0.11	1	\$ 1	0.77%	100.00%	\$ 1	0.16	1
Cat & Bremen Inv.	\$ 1	0.00%	100.00%	\$ 1	0.00	1	\$ 1	1.00%	100.00%	\$ 1	0.05	1
Total	\$ 1	100.00%	100.00%	\$ 1	2.56	8	\$ 1	100.00%	100.00%	\$ 1	2.64	8

Self-Rule - Shared Decisionmaking

Country	Density 2010			Density 2010			Density 2010		
	Crude Adjustment	% Adjusted	Weighted	Crude Adjustment	% Adjusted	Weighted	Crude Adjustment	% Adjusted	Weighted
Yemen	1	91.92%	100.00%	1	1.71	1	91.43%	100.00%	1
Burkina Faso	1	0.00%	100.00%	1	-	1	0.00%	100.00%	1
French & Malian	1	0.00%	90.00%	1	-	1	0.00%	90.00%	1
Equally French	1	0.00%	90.00%	1	-	1	0.00%	90.00%	1
Burkina French	1	0.00%	90.00%	1	-	1	0.00%	90.00%	1
Local Lang French	1	0.00%	90.00%	1	-	1	0.00%	90.00%	1
Local Urdu	1	0.00%	90.00%	1	0.11	1	1.11%	90.00%	0.11
Pash. Puri & Bih. Urdu	1	1.60%	90.00%	1	0.11	1	1.60%	90.00%	0.11
Urdu & Bengali English	1	0.77%	90.00%	1	0.09	1	0.13%	90.00%	0.09
Urdu & Punjabi	1	0.77%	90.00%	1	0.11	1	0.13%	90.00%	0.11
Urdu & Punjabi	1	0.00%	90.00%	1	0.04	1	1.88%	90.00%	0.04
Urdu & Punjabi	1	0.00%	90.00%	1	2.45	1	2.53	100.00%	1
Urdu & Punjabi	1	100.00%	1	2.53	1	100.00%	1	2.59	1

## Structure Inputs

Sprint Florida, Inc.

Soft Rock - Distribution C (cont'd)													
		DENSITY 2551-MAR			DENSITY 3941-OCT-A			DENSITY 1-DEC					
	Activity	% Adm	% Adm	Weighted		Activity	% Adm	Weighted		Activity	% Adm	Weighted	
Trench & Backfill	S	0.10%	0.10%	\$ 0.10	Trench	0.10%	0.10%	\$ 0.10	Adm	0.10%	0.10%	\$ 0.10	
Rocky Trench	S	0.00%	0.00%	\$ 0.00	Rocky Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Backhoe Trench	S	0.00%	0.00%	\$ 0.00	Backhoe Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Hand Dig Trench	S	0.00%	0.00%	\$ 0.00	Hand Dig Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Excav.	S	1.00%	0.20%	\$ 0.20	Excav.	1.00%	0.20%	\$ 0.20	Adm	1.00%	0.20%	\$ 0.20	
Excav & Excav Auger	S	1.00%	0.00%	\$ 0.00	Excav & Excav Auger	1.00%	0.00%	\$ 0.00	Adm	1.00%	0.00%	\$ 0.00	
Excav & Backhoe Crawler	S	2.21%	0.00%	\$ 0.11	Excav & Backhoe Crawler	2.21%	0.00%	\$ 0.11	Adm	2.21%	0.00%	\$ 0.11	
Excav & Backhoe Trak	S	1.00%	0.00%	\$ 0.00	Excav & Backhoe Trak	1.00%	0.00%	\$ 0.00	Adm	1.00%	0.00%	\$ 0.00	
Sum & Average Total		\$ 100.00%			\$ 2.11			\$ 2.11			\$ 2.11		

## Soft Rock - Buried Feeder Cable

Soft Rock - Buried Feeder Cable													
		DENSITY 2551-MAR			DENSITY 3941-OCT-A			DENSITY 1-DEC					
	Activity	% Adm	% Adm	Weighted		Activity	% Adm	Weighted		Activity	% Adm	Weighted	
Crush Aggregate	S	99.40%	100.00%	\$ 1.72	Crush Aggregate	99.50%	100.00%	\$ 1.71	Crush Aggregate	99.50%	100.00%	\$ 1.71	
Ready Mix	S	0.00%	0.00%	\$ 0.00	Ready Mix	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Crush & Backfill	S	0.00%	0.00%	\$ 0.00	Crush & Backfill	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Rocky Trench	S	0.00%	0.00%	\$ 0.00	Rocky Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Backhoe Trench	S	0.00%	0.00%	\$ 0.00	Backhoe Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Hand Dig Trench	S	0.00%	0.00%	\$ 0.00	Hand Dig Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Steel Cables	S	1.60%	0.00%	\$ 0.21	Steel Cables	1.60%	0.00%	\$ 0.21	Adm	1.60%	0.00%	\$ 0.21	
Push Pipe & Pull Cable	S	3.61%	0.00%	\$ 0.13	Push Pipe & Pull Cable	3.61%	0.00%	\$ 0.13	Adm	3.61%	0.00%	\$ 0.13	
Crush & Breaker Argon	S	0.96%	0.00%	\$ 0.12	Crush & Breaker Argon	0.96%	0.00%	\$ 0.12	Adm	0.96%	0.00%	\$ 0.12	
Crush & Breaker Limestone	S	1.81%	0.00%	\$ 0.14	Crush & Breaker Limestone	1.81%	0.00%	\$ 0.14	Adm	1.81%	0.00%	\$ 0.14	
Sum & Average Total	S	100.00%	100.00%	\$ 2.07	\$ 2.07			\$ 2.07			\$ 2.07		

## Soft Rock - Buried Distribution C

Soft Rock - Buried Distribution C													
		DENSITY 2551-MAR			DENSITY 3941-OCT-A			DENSITY 1-DEC					
	Activity	% Adm	% Adm	Weighted		Activity	% Adm	Weighted		Activity	% Adm	Weighted	
Crush Aggregate	S	99.40%	100.00%	\$ 1.72	Crush Aggregate	99.50%	100.00%	\$ 1.71	Crush Aggregate	99.50%	100.00%	\$ 1.71	
Ready Mix	S	0.00%	0.00%	\$ 0.00	Ready Mix	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Crush & Backfill	S	0.00%	0.00%	\$ 0.00	Crush & Backfill	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Rocky Trench	S	0.00%	0.00%	\$ 0.00	Rocky Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Backhoe Trench	S	0.00%	0.00%	\$ 0.00	Backhoe Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Hand Dig Trench	S	0.00%	0.00%	\$ 0.00	Hand Dig Trench	0.00%	0.00%	\$ 0.00	Adm	0.00%	0.00%	\$ 0.00	
Down Cables	S	1.60%	0.00%	\$ 0.22	Down Cables	1.60%	0.00%	\$ 0.22	Adm	1.60%	0.00%	\$ 0.22	
Push Pipe & Pull Cable	S	3.61%	0.00%	\$ 0.13	Push Pipe & Pull Cable	3.61%	0.00%	\$ 0.13	Adm	3.61%	0.00%	\$ 0.13	
Crush & Breaker Argon	S	0.96%	0.00%	\$ 0.11	Crush & Breaker Argon	0.96%	0.00%	\$ 0.11	Adm	0.96%	0.00%	\$ 0.11	
Crush & Breaker Limestone	S	1.81%	0.00%	\$ 0.14	Crush & Breaker Limestone	1.81%	0.00%	\$ 0.14	Adm	1.81%	0.00%	\$ 0.14	
Sum & Average Total	S	100.00%	100.00%	\$ 2.07	\$ 2.07			\$ 2.07			\$ 2.07		

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Self-Risk - Aerial Distribution of a New

Category	Number of Firms	DEBT TO EQUITY (A)			DEBT TO EQUITY (B)			DEBT TO EQUITY (C)		
		Current Ratio	Debt-to-Equity Ratio	Weighted Average	Current Ratio	Debt-to-Equity Ratio	Weighted Average	Current Ratio	Debt-to-Equity Ratio	Weighted Average
Profit	3	2.33 (0.0)	1.00	1.00	2.00 (0.0)	1.00 (0.0)	1.00	2.00 (0.0)	1.00 (0.0)	1.00
Non-Profits and Charities	5	0.80 (0.0)	1.00	1.00	0.80 (0.0)	1.00 (0.0)	1.00	0.80 (0.0)	1.00 (0.0)	1.00

Hard Rock Structure

Hard Rock - Freder C. Lundquist

Hard Rock - Distribution Center

Country	Out of Port Bottled	Cans		Density 6.5		Density 6.4-6.9		Density 6.0-6.9	
		Aluminum	% Aluminum	Aluminum	Weight	Aluminum	Weight	Aluminum	Weight
France & Belgium	5	1.90	5	76.65%	1.64	5	76.65%	1.71	5
Wacky French	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
Double French	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
French Deli French	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
France	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
Wacky	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
Wacky & Rester Asphodel	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
Wacky & Rester Cressence	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
Wacky & Rester Seal	5	1.90	5	60.00%	1.68	5	60.00%	1.73	5
100.00%		5	1.00	100.00%		5	1.00	100.00%	

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Site-line Inputs

Sprint Florida, Inc.

W. Reth - Partial Fracture

1985-1986			1986-1987			1987-1988		
Actual			Budgeted			Actual		
Category	Description	Amount	Category	Description	Amount	Category	Description	Amount
Cost Adjustment	Institutional Cost	\$294.00	Cost Adjustment	Institutional Cost	\$294.00	Cost Adjustment	Institutional Cost	\$294.00
Prizes		\$200.00	Prizes		\$100.00	Prizes		\$100.00
Anthony and Company		\$243.80	Anthony and Company		\$243.80	Anthony and Company		\$243.80

Soft Rank - Aerial Distribution C

Hard Rock Structure

HARD ROCK • HEADER (continued)

Acquiring		Cross Advertisements		% Acquired		Advertiser		Cross Advertisements		% Acquired		Advertiser	
Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser	Advertiser
French & Holland	-	-	93.20%	93.20%	1	1.64	1	93.20%	93.20%	1	1.64	1	93.20%
Early French	-	-	0.00%	0.00%	1	-	1	0.00%	0.00%	1	-	1	0.00%
Unibank 1 month	-	-	0.00%	0.00%	1	-	1	0.00%	0.00%	1	-	1	0.00%
First Day French	-	-	0.00%	0.00%	1	-	1	0.00%	0.00%	1	-	1	0.00%
Energy	-	-	1.00%	91.00%	1	0.21	1	1.00%	91.00%	1	0.21	1	1.00%
First & Franklin Amphib	-	-	0.00%	91.00%	1	0.11	1	0.00%	91.00%	1	0.11	1	0.00%
Val de Reuilne L'Amphibie	-	-	2.27%	91.00%	1	0.11	1	2.27%	91.00%	1	0.11	1	2.27%
Val de Reuilne Sand	-	-	1.00%	91.00%	1	0.04	1	1.00%	91.00%	1	0.04	1	1.00%
			100.00%	100.00%	1	2.45	1	100.00%	100.00%	1	2.45	1	100.00%

Hard Rock - Distribution Capital

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Language	Code Admision	% Admision	Telephone	Admission	Code Admision	% Admision	Telephone	Admission	Code Admision	% Admision	Telephone	Admission	
French & English	1	93.30%	98.00%	1	1.60	5	-	-	93.30%	98.00%	1	1.60	
Only French	-	0.00%	90.00%	-	-	-	0.00%	90.00%	-	0.00%	90.00%	-	
Only English	-	0.00%	90.00%	-	-	-	0.00%	90.00%	-	0.00%	90.00%	-	
Local Eng French	-	0.00%	90.00%	-	-	-	0.00%	90.00%	-	0.00%	90.00%	-	
Eng	1	99.00%	90.00%	1	0.25	5	-	-	99.00%	90.00%	1	0.25	
Eng & French	1	99.00%	90.00%	1	0.12	5	-	-	99.00%	90.00%	1	0.12	
W. & B. English	1	99.00%	90.00%	1	0.11	5	-	-	99.00%	90.00%	1	0.11	
W. & B. English F. Interprete	1	1.21%	90.00%	1	2.21%	5	-	-	1.21%	90.00%	1	2.21%	
Ysl de Montreal	1	1.50%	90.00%	1	0.04	5	-	-	1.50%	90.00%	1	0.04	
Total de l'Institution	1	100.00%	5	2.13	100.00%	5	2.13	100.00%	5	2.13	100.00%	5	2.13

Hard Rock - Buried Feeder Cable										Hard Rock - Buried Feeder Cable											
		Base				DENSITY 0.1				DENSITY 0.10				DENSITY 0.20				DENSITY 0.30			
Antennas		Cost Per Foot	Unit	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	
Piney	\$	1.90	\$	-	91.17%	100.00%	\$	1.77	\$	92.91%	100.00%	\$	1.77	\$	92.42%	100.00%	\$	1.76	100.00%	\$	
Wavy Pine	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Turkey & Blacktail	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Rocky Trench	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Rocky Trench	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Hard Dog Trench	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Heavy T-Style	\$	1.11	\$	-	0.11%	100.00%	\$	0.11	\$	0.11%	100.00%	\$	0.11	\$	0.11%	100.00%	\$	0.11	100.00%	\$	
Push Type & Pull T-style	\$	10.12	\$	-	1.94%	100.00%	\$	0.16	\$	1.94%	100.00%	\$	0.15	\$	1.94%	100.00%	\$	0.15	100.00%	\$	
U.L.A. Reindeer Angleish	\$	12.63	\$	-	0.07%	100.00%	\$	0.07	\$	0.07%	100.00%	\$	0.08	\$	0.07%	100.00%	\$	0.09	100.00%	\$	
Out & Return Coaxage	\$	13.37	\$	-	0.00%	100.00%	\$	0.07	\$	0.07%	100.00%	\$	0.02	\$	0.02%	100.00%	\$	0.02	100.00%	\$	
Out & Return Seal	\$	1.00	\$	-	0.00%	100.00%	\$	0.07	\$	0.07%	100.00%	\$	0.07	\$	0.07%	100.00%	\$	0.08	100.00%	\$	

## Hard Rock - Buried Distribution Cable

Hard Rock - Buried Distribution Cable										Hard Rock - Buried Distribution Cable											
		Base				DENSITY 0.1				DENSITY 0.10				DENSITY 0.20				DENSITY 0.30			
Antennas		Cost Per Foot	Unit	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	
Piney	\$	1.90	\$	-	93.17%	100.00%	\$	1.77	\$	92.91%	100.00%	\$	1.77	\$	92.42%	100.00%	\$	1.76	100.00%	\$	
Wavy Pine	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
French & Rocktail	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Rocky Trench	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Breakout Trench	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Hard Dog Trench	\$	1.90	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Heavy T-Style	\$	13.11	\$	-	0.11%	100.00%	\$	0.02	\$	0.02%	100.00%	\$	0.02	\$	0.02%	100.00%	\$	0.02	100.00%	\$	
Push Type & Pull T-style	\$	10.12	\$	-	1.94%	100.00%	\$	0.16	\$	1.94%	100.00%	\$	0.15	\$	1.94%	100.00%	\$	0.15	100.00%	\$	
Out & Return Angleish	\$	12.63	\$	-	0.57%	100.00%	\$	0.07	\$	0.06%	100.00%	\$	0.06	\$	0.06%	100.00%	\$	0.06	100.00%	\$	
Out & Return Coaxage	\$	13.17	\$	-	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	\$	0.00%	100.00%	\$	-	0.00%	100.00%	\$
Out & Return Seal	\$	1.00	\$	-	2.41%	100.00%	\$	0.02	\$	2.17%	100.00%	\$	0.02	\$	2.14%	100.00%	\$	0.02	100.00%	\$	

## Hard Rock - Aerial Feeder Cable

Hard Rock - Aerial Feeder Cable										Hard Rock - Aerial Feeder Cable											
		Base				DENSITY 0.1				DENSITY 0.10				DENSITY 0.20				DENSITY 0.30			
Antennas		Cost Per Foot	Unit	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	Cost	% Antennas	Weighted	
Piney	\$	235.00	\$	-	294.00	\$	104.20	\$	294.00	\$	104.20	\$	294.00	\$	104.20	\$	294.00	\$	104.20	\$	
Wavy Pine	\$	235.00	\$	-	294.00	\$	104.20	\$	294.00	\$	104.20	\$	294.00	\$	104.20	\$	294.00	\$	104.20	\$	
French & Rocktail	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Rocky Trench	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Breakout Trench	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Hard Dog Trench	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Heavy T-Style	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Push Type & Pull T-style	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Out & Return Angleish	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Out & Return Coaxage	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	
Out & Return Seal	\$	64.00	\$	-	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	209.00	\$	107.70	\$	

## Structure Inputs

## Sprint Florida, Inc.

Hard Rock - Buried Freeder Cable										DEFECTIVE CABLE											
DEFL. 2011-2012					DEFL. 2012-2013					DEFL. 2013-2014					DEFL. 2014-2015						
Activity		% Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted	
Phone	1	100.00%	1	100.00%	1	1.11	1	100.00%	1	100.00%	1	1.11	1	100.00%	1	100.00%	1	100.00%	1	100.00%	1
Mobile Phone	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
French & Backfill	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Ready Trench	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Unstable Trench	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Hard Dig French	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Rein. Cables	1	1.60%	1	1.60%	1	0.21	1	1.60%	1	1.60%	1	0.21	1	1.60%	1	1.60%	1	1.60%	1	1.60%	1
Push Pipe & Pull Cables	1	1.61%	1	1.61%	1	0.35	1	1.61%	1	1.61%	1	0.35	1	1.61%	1	1.61%	1	1.61%	1	1.61%	1
Pin & Reenter Angles	1	0.98%	1	0.98%	1	0.12	1	0.98%	1	0.98%	1	0.12	1	0.98%	1	0.98%	1	0.98%	1	0.98%	1
Val & Return Connectors	1	1.41%	1	1.41%	1	0.26	1	1.41%	1	1.41%	1	0.26	1	1.41%	1	1.41%	1	1.41%	1	1.41%	1
Pin & Return Seal	1	1.41%	1	1.41%	1	0.01	1	1.41%	1	1.41%	1	0.01	1	1.41%	1	1.41%	1	1.41%	1	1.41%	1
		100.00%		1	100.00%		1	100.00%		100.00%		1	100.00%		100.00%		100.00%		100.00%		100.00%

Hard Rock - Buried Distribution										DEFECTIVE CABLE											
DEFL. 2011-2012					DEFL. 2012-2013					DEFL. 2013-2014					DEFL. 2014-2015						
Activity		% Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted	
Phone	1	100.00%	1	100.00%	1	1.72	1	100.00%	1	1.72	1	1.72	1	100.00%	1	1.72	1	100.00%	1	1.72	1
Mobile Phone	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
French & Backfill	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Ready Trench	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Unstable Trench	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Hard Dig French	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00	1	0.00%	1	0.00%	1	0.00%	1	0.00%	1
Three Cable	1	1.60%	1	1.60%	1	0.22	1	1.60%	1	1.60%	1	0.22	1	1.60%	1	1.60%	1	1.60%	1	1.60%	1
Push Pipe & Pull Cables	1	1.61%	1	1.61%	1	0.31	1	1.61%	1	1.61%	1	0.31	1	1.61%	1	1.61%	1	1.61%	1	1.61%	1
Pin & Reenter Angles	1	0.98%	1	0.98%	1	0.11	1	0.98%	1	0.98%	1	0.11	1	0.98%	1	0.98%	1	0.98%	1	0.98%	1
Val & Return Connectors	1	1.41%	1	1.41%	1	0.23	1	1.41%	1	1.41%	1	0.23	1	1.41%	1	1.41%	1	1.41%	1	1.41%	1
Val & Return Seal	1	1.41%	1	1.41%	1	0.04	1	1.41%	1	1.41%	1	0.04	1	1.41%	1	1.41%	1	1.41%	1	1.41%	1
		100.00%		1	100.00%		1	100.00%		100.00%		1	100.00%		100.00%		100.00%		100.00%		100.00%

Hard Rock - Aerial Freeder Cable										DEFECTIVE CABLE											
DEFL. 2011-2012					DEFL. 2012-2013					DEFL. 2013-2014					DEFL. 2014-2015						
Activity		% Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted	
Phone	1	294.00	1	100.00	1	104.70	1	294.00	1	294.00	1	104.70	1	294.00	1	294.00	1	104.70	1	104.70	1
Mobile Phone	1	209.00	1	100.00	1	83.10	1	209.00	1	209.00	1	83.10	1	209.00	1	209.00	1	83.10	1	83.10	1
Antennas and Cables	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Hard Rock - Aerial Distribution										DEFECTIVE CABLE											
DEFL. 2011-2012					DEFL. 2012-2013					DEFL. 2013-2014					DEFL. 2014-2015						
Activity		% Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted		Activity		% Assigned	Weighted	
Phone	1	294.00	1	100.00	1	104.70	1	294.00	1	294.00	1	104.70	1	294.00	1	294.00	1	104.70	1	104.70	1
Mobile Phone	1	209.00	1	100.00	1	83.10	1	209.00	1	209.00	1	83.10	1	209.00	1	209.00	1	83.10	1	83.10	1
Antennas and Cables	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Sprint Florida, Inc.

Manhole Inputs

Normal - Manhole

		Fwd Link Count	DENSITY 0.5		DENSITY 0.5		DENSITY 0.5
	Link	Individual	% Assigned	Link Count	% Assigned	Link Count	% Assigned
Manhole In 5 or 40s	\$	344.00	\$	344.00	\$	1,034.00	\$
Manhole Out 7	\$	2,114.23	\$	1,645.00	\$	7,034.93	\$
Manhole In 12min 7	\$	1,209.00	\$	2,411.00	\$	80.00	\$
Adder 12min 7	\$	2,800.00	\$	501.00	\$	2,848.00	\$
Customer Per Dist Fwd	\$	0.71	\$	0.71	\$	100.00	\$

Soft Rock - Manhole

		Fwd Link Count	DENSITY 0.5		DENSITY 0.5		DENSITY 0.5
	Link	Individual	% Assigned	Link Count	% Assigned	Link Count	% Assigned
Manhole In 5 or 40s	\$	944.00	\$	600.00	\$	275.00	\$
Manhole Out 7	\$	2,114.23	\$	2,045.00	\$	925.00	\$
Manhole In 12min 7	\$	1,209.00	\$	2,811.00	\$	807.00	\$
Adder 12min 7	\$	2,800.00	\$	700.00	\$	2,800.00	\$
Customer Per Dist Fwd	\$	0.71	\$	0.71	\$	100.00	\$

Hard Rock - Manhole

		Fwd Link Count	DENSITY 0.5		DENSITY 0.5		DENSITY 0.5
	Link	Individual	% Assigned	Link Count	% Assigned	Link Count	% Assigned
Manhole In 5 or 40s	\$	944.00	\$	600.00	\$	275.00	\$
Manhole Out 7	\$	2,114.23	\$	2,445.00	\$	927.00	\$
Manhole In 12min 7	\$	1,209.00	\$	1,211.00	\$	807.00	\$
Adder 12min 7	\$	2,800.00	\$	500.00	\$	2,800.00	\$
Customer Per Dist Fwd	\$	0.71	\$	0.71	\$	100.00	\$

## Manhole Inputs

Sprint Florida, Inc.

### Normal - Manhole

		[DE-NETTY 11-2014-0]		[DE-NETTY 11-2014-1]		[DE-NETTY 11-2014-2]		[DE-NETTY 11-2014-3]	
Unit		Unit Adjustment Telephone		Unit Cost		Unit Adjustment Telephone		Unit Cost	
Manhole 1x1 or 4x6		75%	\$ 1,000.00	90.00%	\$ 1,000.00	75%	\$ 1,000.00	90.00%	\$ 1,000.00
Manhole 4x6		90.00%	\$ 1,000.00	80.00%	\$ 1,000.00	90.00%	\$ 1,000.00	80.00%	\$ 1,000.00
Manhole 1.5x6.7		80.00%	\$ 1,000.00	80.00%	\$ 1,000.00	80.00%	\$ 1,000.00	80.00%	\$ 1,000.00
Abber 12m6.7		80.00%	\$ 1,000.00	100.00%	\$ 1,000.00	80.00%	\$ 1,000.00	100.00%	\$ 1,000.00
Crookab Per Unit Front		100.00%	\$ 1,000.00	100.00%	\$ 1,000.00	100.00%	\$ 1,000.00	100.00%	\$ 1,000.00

### Soft Rock - Manhole

		[DE-NETTY 20-450]		[DE-NETTY 61-140]		[DE-NETTY 71-270]		[DE-NETTY 79-1300]	
Unit		Unit Adjustment Telephone		Unit Cost		Unit Adjustment Telephone		Unit Cost	
Manhole 1x1 or 4x6		75%	\$ 1,134.00	90.00%	\$ 1,134.00	75%	\$ 1,134.00	90.00%	\$ 1,134.00
Manhole 4x6		90.00%	\$ 1,134.00	80.00%	\$ 1,134.00	90.00%	\$ 1,134.00	80.00%	\$ 1,134.00
Manhole 1.5x6.7		80.00%	\$ 1,134.00	80.00%	\$ 1,134.00	80.00%	\$ 1,134.00	80.00%	\$ 1,134.00
Abber 12m6.7		80.00%	\$ 1,134.00	100.00%	\$ 1,134.00	80.00%	\$ 1,134.00	100.00%	\$ 1,134.00
Crookab Per Unit Front		100.00%	\$ 1,134.00	100.00%	\$ 1,134.00	100.00%	\$ 1,134.00	100.00%	\$ 1,134.00

  

		[DE-NETTY 20-450]		[DE-NETTY 61-140]		[DE-NETTY 71-270]		[DE-NETTY 79-1300]	
Unit		Unit Adjustment Telephone		Unit Cost		Unit Adjustment Telephone		Unit Cost	
Manhole 1x3 or 6x6		75%	\$ 1,134.00	90.00%	\$ 1,134.00	75%	\$ 1,134.00	90.00%	\$ 1,134.00
Manhole 6x6		90.00%	\$ 1,134.00	80.00%	\$ 1,134.00	90.00%	\$ 1,134.00	80.00%	\$ 1,134.00
Manhole 1.5x6.7		80.00%	\$ 1,134.00	80.00%	\$ 1,134.00	80.00%	\$ 1,134.00	80.00%	\$ 1,134.00
Abber 12m6.7		80.00%	\$ 1,134.00	100.00%	\$ 1,134.00	80.00%	\$ 1,134.00	100.00%	\$ 1,134.00
Crookab Per Unit Front		100.00%	\$ 1,134.00	100.00%	\$ 1,134.00	100.00%	\$ 1,134.00	100.00%	\$ 1,134.00

### Hard Rock - Manhole

		[DE-NETTY 20-450]		[DE-NETTY 61-140]		[DE-NETTY 71-270]		[DE-NETTY 79-1300]	
Unit		Unit Adjustment Telephone		Unit Cost		Unit Adjustment Telephone		Unit Cost	
Manhole 1x3 or 6x6		75%	\$ 1,134.00	90.00%	\$ 1,134.00	75%	\$ 1,134.00	90.00%	\$ 1,134.00
Manhole 6x6		90.00%	\$ 1,134.00	80.00%	\$ 1,134.00	90.00%	\$ 1,134.00	80.00%	\$ 1,134.00
Manhole 1.5x6.7		80.00%	\$ 1,134.00	80.00%	\$ 1,134.00	80.00%	\$ 1,134.00	80.00%	\$ 1,134.00
Abber 12m6.7		80.00%	\$ 1,134.00	100.00%	\$ 1,134.00	80.00%	\$ 1,134.00	100.00%	\$ 1,134.00
Crookab Per Unit Front		100.00%	\$ 1,134.00	100.00%	\$ 1,134.00	100.00%	\$ 1,134.00	100.00%	\$ 1,134.00

## Sprint Florida, Inc.

## Spacing Tables

## Breeder Spacing Table

Density	In Field				Estimate Total
	Inches	Poles Spacing	Chain Spacing	Link Spacing	
0	450	250	1500	1500	0.14
2	450	250	1500	1500	0.14
4	450	250	1500	1500	0.14
6	450	250	1500	1500	0.14
10	450	250	1500	1500	0.14
15	450	250	1500	1500	0.14
20	450	250	1500	1500	0.14
30	450	150	1000	1000	0.17
45	450	100	667	667	0.23
60	450	75	500	500	0.33
75	450	60	333	333	0.50
90	450	50	250	250	0.67
105	450	40	167	167	0.83
120	450	33	125	125	1.00
135	450	25	83	83	1.11
150	450	20	67	67	1.11
165	450	16	50	50	1.11
180	450	13	33	33	1.11
195	450	10	25	25	1.11
210	450	8	17	17	1.11
225	450	6	12	12	1.11
240	450	5	8	8	1.11
255	450	4	5	5	1.11
270	450	3	3	3	1.11
285	450	2	2	2	1.11
300	450	1	1	1	1.11

## Distribution Spacing Table

Density	In Field				Estimate Total
	Inches	Poles Spacing	Chain Spacing	Link Spacing	
0	450	250	1500	1500	0.14
2	450	250	1500	1500	0.14
4	450	250	1500	1500	0.14
6	450	250	1500	1500	0.14
10	450	250	1500	1500	0.14
15	450	250	1500	1500	0.14
20	450	250	1500	1500	0.14
30	450	150	1000	1000	0.17
45	450	100	667	667	0.23
60	450	75	500	500	0.33
75	450	60	333	333	0.50
90	450	50	250	250	0.67
105	450	40	167	167	0.83
120	450	33	125	125	1.00
135	450	25	83	83	1.11
150	450	20	67	67	1.11
165	450	16	50	50	1.11
180	450	13	33	33	1.11
195	450	10	25	25	1.11
210	450	8	17	17	1.11
225	450	6	12	12	1.11
240	450	5	8	8	1.11
255	450	4	5	5	1.11
270	450	3	3	3	1.11
285	450	2	2	2	1.11
300	450	1	1	1	1.11

### Lump Percent Table Inputs

Sprint Florida, Inc.

### Loop Percentage Tables

Distribution Plant Mix Table

Density	Nominal Terrain		
	Undeveloped %	Urban %	Aerial %
0	9.80%	82.80%	18.80%
6	2.00%	88.00%	10.00%
101	3.00%	87.00%	10.00%

	201	4.00%	88.00%	19.00%
6.51	6.00%	75.00%	19.00%	
13.1	9.00%	81.00%	18.00%	
25.51	19.00%	76.00%	5.00%	
50.01	23.00%	52.00%	23.00%	
100.01	23.00%	52.00%	23.00%	

### Copper Plant Mix Table

Copper Plant Min Tabke

Normal Terrain - Loop			
Density	Unseen %	Blocked %	Actual %
0	0.00%	99.00%	4.00%
6	9.00%	88.00%	3.00%
101	20.00%	78.00%	2.00%
201	29.00%	69.00%	2.00%
451	40.00%	59.00%	1.00%
851	50.00%	49.00%	1.00%
2551	61.00%	38.00%	1.00%
5001	71.00%	28.00%	1.00%
10001	71.00%	28.00%	1.00%

Fiber Plant Mit Table (Lang)

Soil Moisture - Long			
Density	Unshaded %	Shaded %	Acreage
0	8.00%	91.99%	4.00%
6	9.60%	88.39%	3.00%
10	20.80%	78.19%	2.00%
20	29.60%	69.60%	2.00%
45	40.00%	59.00%	1.00%
83	59.00%	49.00%	1.00%
235	61.00%	38.00%	1.00%
500	71.00%	28.00%	1.00%
1000	71.00%	28.00%	1.00%

110

Local Block Terms			
Density	Unadjusted %	Adjusted %	Adjusted %
0	9.00%	8.2.00%	18.00%
6	2.00%	8.8.00%	10.00%
10	1.00%	8.7.00%	10.00%
20	4.00%	8.6.00%	10.00%
43	6.00%	7.1.90%	19.00%
83	9.00%	8.1.00%	10.00%
75.51	19.00%	7.6.00%	1.00%
5921	23.00%	12.60%	23.00%
10001	23.00%	12.60%	23.00%

110

Total Mean Errors			
Density	Unbiased %	Biased %	Average %
0	9.00%	8.2.00%	18.00%
6	2.00%	1.8.00%	10.00%
10	1.00%	0.7.00%	10.00%
20	4.00%	3.6.00%	10.00%
45	6.00%	7.5.00%	19.00%
83	9.00%	8.1.00%	19.00%
253	19.00%	16.00%	19.00%
5061	2.3.00%	1.2.00%	2.3.00%
10001	2.1.00%	1.2.00%	2.1.00%

10

Hard Black Terrier - 1 year			
Damality	Unrelated %	Damal %	Auntal %
0	9.00%	96.00%	4.00%
6	9.00%	88.00%	3.00%
101	26.00%	74.00%	2.00%
201	23.00%	69.00%	2.00%
631	40.00%	59.00%	1.00%
831	50.00%	49.00%	1.00%
2351	61.00%	34.00%	1.00%
5081	71.00%	24.00%	1.00%
10001	71.00%	24.00%	1.00%

110

Hard Rock Terms			
Days/P	Indiv/Class %	Class %	Annual %
0	0.00%	0.00%	18.00%
6	2.00%	18.00%	18.00%
101	3.00%	17.00%	18.00%
201	4.00%	16.00%	18.00%
611	6.00%	15.00%	19.00%
811	9.00%	11.00%	18.00%
2351	19.00%	76.00%	5.00%
3001	21.00%	52.00%	25.00%
10001	21.00%	52.00%	25.00%

100

Hard Black Terns			
Larvae?	Unfed/Leaf	Unfed %	Avefed %
0	0.00%	82.00%	18.00%
6	2.00%	88.00%	10.00%
101	3.00%	87.00%	10.00%
201	4.00%	86.00%	10.00%
451	6.00%	71.00%	19.00%
831	9.00%	81.00%	18.00%
2351	19.00%	76.00%	5.00%
5961	23.00%	52.00%	23.00%
10001	23.00%	12.00%	23.00%

1

## Lamp Percent Table Inputs

Sprint Florida, Inc.

Fiber Plant Mix Table (Transport)

Nominal Terrain - Transport			
Density	Undeveloped %	Develop %	Aerial %
0	0.00%	70.00%	4.00%
4	9.00%	88.00%	3.00%
101	26.00%	78.00%	2.00%
201	29.00%	69.00%	2.00%
631	48.00%	51.00%	1.00%
831	50.00%	49.00%	1.00%
2351	61.00%	38.00%	1.00%
5001	71.00%	28.00%	1.00%
10001	71.00%	24.00%	1.00%

Average Number of Housing Units Per Dwelling For Each Census Data Range

Soft Rock Terrain - Transport			
Density	Undeveloped %	Develop %	Aerial %
0	0.00%	70.00%	4.00%
4	9.00%	88.00%	3.00%
101	26.00%	78.00%	2.00%
201	29.00%	69.00%	2.00%
631	48.00%	51.00%	1.00%
831	50.00%	49.00%	1.00%
2351	61.00%	38.00%	1.00%
5001	71.00%	28.00%	1.00%
10001	71.00%	24.00%	1.00%

Hard Rock Terrain - Transport			
Density	Undeveloped %	Develop %	Aerial %
0	0.00%	70.00%	4.00%
4	9.00%	88.00%	3.00%
101	26.00%	78.00%	2.00%
201	29.00%	69.00%	2.00%
631	48.00%	51.00%	1.00%
831	50.00%	49.00%	1.00%
2351	61.00%	38.00%	1.00%
5001	71.00%	28.00%	1.00%
10001	71.00%	24.00%	1.00%

Density Cable Sizing Factor Table

Density	Fiber	Distribution
0	2	2
2	2	2
3	3	3
5-9	7	7
10-19	13	13
20-49	23	13
>50	53	53
None	1	1
10001	53.33%	83.33%

## DLC &amp; Electronic Inputs

Sprint Florida, Inc.

## DLC &amp; Electronic Costs

Digital Lamp Carrier Remote System Cost Table

DLC Fiber Size	Fixed Cost All	Per 1 mile & 1 end 1 end each service or ground loop							
		VJ	Ether	DSI	LRE	4 W	ELSS	CLDN	1024L
0	\$ 44,334.20	\$ 109.01							
23	\$ 44,334.20	\$ 109.01							
49	\$ 44,334.20	\$ 109.01							
97	\$ 44,334.20	\$ 109.01							
121	\$ 44,334.20	\$ 109.01							
193	\$ 44,334.20	\$ 109.01							
241	\$ 129,623.15	\$ 96.20							
385	\$ 129,623.15	\$ 96.20							
673	\$ 173,647.99	\$ 96.20							
1345	\$ 236,825.81	\$ 96.20							

DLC COT Investment Table

COT Size	Fixed Cost
0	\$ 13,648.80
23	\$ 13,648.80
49	\$ 13,648.80
97	\$ 13,648.80
121	\$ 13,648.80
193	\$ 13,648.80
241	\$ 57,971.55
385	\$ 57,971.55
673	\$ 57,971.55
1345	\$ 57,971.55

**Sprint-Florida Inc.**

**Universal Service Fund**

**Transport Inputs**

## Interoffice Transfer Model Inputs

## Transport Inputs for Florida

Variable	Input	Description
Transport		
MaxNodes	6	Max # of nodes on a ring
ARF actor	1.9350	Air to Route Factor
LTF actor	6	Access line to DSO trunk factor for host/remote links
TTF actor	10	Access line to DSO trunk factor for host/demand trunks
SPF actor	14.70%	% special access circuits to # of each access lines
RepeaterDist	40	Maximum repeater spacing (miles)
MOUperDS1	216,000	MOU per DS1
RDSwitch	N	Does a 2-pk (folded) ring use separate routing for 2 sides
EASPer	58.77%	Percent interoffice MOUs that are EAS
CLIMatch	7	Used to identify "like" tandems
Fiber		
MEAerialFiber	75.0%	Mileage Equipment Aerial Fiber (per fiber mile)
MEUndergroundFiber	75.0%	Mileage Equipment UG Fiber (per fiber mile)
MEBuriedFiber	76.0%	Mileage Equipment Buried Fiber (per fiber mile)
FiberPoleFactor	11.5%	Fiber Pole Factor
FiberConduitFactor	29.0%	Fiber Conduit Factor
PowerAndEquipmentFactor	5.79%	Misc. Equipment & Power Factor
SheathSharingFactor	62.0%	Sheath Sharing Factor
TwoPointSheathSharingFactor	50.0%	Two Point Ring Sheath Sharing Factor
FiberMaxAerial	0.0%	Fiber Max - Aerial %
FiberMaxUnderground	28.0%	Fiber Max - UG %
FiberMaxBuried	72.0%	Fiber Max - Buried %

Florida: USF  
Interoffice Transport Model Inputs

Ring Size Table

A	B	C	D	E	F	G	H
Toggle	DS0/DS1	DS1/DS3	#DS3s	Planning Threshold	Trigger (DS1)	Size	DS0 Cap
1	24	28	3	0.66	0	OC3	2,016
1	24	28	12	0.65	56	OC12	8,064
1	24	28	24	0.65	286	OC12x2	16,128
1	24	28	48	0.65	572	OC48	32,256
1	24	28	96	0.65	1,143	OC48x2	64,512
1	24	28	144	0.65	2,285	OC48x3	96,768
1	24	28	192	0.65	3,428	OC48x4	129,024
1	24	28	240	0.65	4,570	OC48x5	161,280
1	24	28	288	0.65	5,712	OC48x6	193,536
1	24	28	336	0.65	6,855	OC48x7	225,792
1	24	28	384	0.65	7,997	OC48x8	258,048
1	24	28	432	0.65	9,140	OC48x9	290,304
1	24	28	480	0.65	10,282	OC48x10	322,560

**Inputs:** Col. A toggles each Size option (col G) off ("0") or on ("1")  
Col F determines the Size facility to model

Cols. B,C,D do not change  
Cols F & H are calculations

## BCPM Miscellaneous Inputs

### Miscellaneous Inputs

Variable	Value	Description
<b>Cable &amp; Wire Inputs</b>		
PairsPerHousingUnit	2	Distribution pairs per residential housing unit
PairsPerBusinessLocation	6	Minimum number of pairs per business location
MaxSizeFt4K	4200	Maximum Size Feeder Distribution Interface Cabinet (Circuit Connect)
MaxFiberSize	240	Maximum Fiber Cable Size
MaxFeederSize	4200	Maximum Feeder Cable Size
MaxBusiness	3600	Maximum Copper Distribution Cable Size
CpntMaxDist	12,000	Maximum length of copper cable in the CBU distribution area
FiberCableDiscount	0.00%	Fiber Cable Discount %
CopperCableDiscount	0.00%	Copper Cable Discount %
LinkLengthCap	10,000	Link Length Cap Expense
BreakPoint	12,000	Cable Break Point
<b>Terrain Inputs and Surface Impacts</b>		
CriticalWaterDepth		1) Depth in feet at which water impacts placement costs
WaterFFactor		10.00% % Cost increase for presence of water within critical depth
NewTerrainTrigger		5. Value that triggers new terrain variable multiplier
NewTerrainFactor		1) Cost multiplier when new terrain variable exceeds trigger point
MinSlopeTrigger		12 Point at which minimum slope effects placement distance
MinSlopeFactor		1.10 Change in distance due to increased average slope
MaxSlopeTrigger		10 Point where presence of very high slope causes yet more cable distance
MaxSlopeFactor		1.05 Change in distance due to a maximum only slope presence
ConcSlopeFactor		1.20 Secondary change in distance due to substantial slope presence
<b>Census Data Inputs - State Specific</b>		
BusinessPerIn		1) Average Number of business lines per location
<b>Trench Depth</b>		
NormalUGLinLdCover	24.00	Minimum Cover Depth in inches for Buried/Underground Copper Cable
NormalUFLinCover	36.00	Minimum Cover Depth in inches for Buried/Underground Fiber

## BCCPM Miscellaneous Inputs

Digital Electronics	
OpEx_Cost	\$ 75,000.00 Material & Installation for fiber Optics Terminal at CO and Customer Loc.
Copper_F1	\$ 2,500.00 Average Cost per DS-1 on copper (both terminals & repeaters)
Is_Trunk_Frame	\$ - Material & Installation for fiber Trunking Frame at CO
DM_Flink	\$ - Material & Installation for D4 type equipment
Lectronic_Fall	\$ 15.00% Fall Factors for Electronics
DC_SqFt_DL	\$ 95.00% Fall Factors for High Capacity Optical Multiplexers
Small_DLC_Discount	0.00% Small DLC Electronics Discount %
Large_DLC_Discount	0.00% Large DLC Electronics Discount %
Max_COTDA_DL	2010 Maximum Central Office Terminal DLC-4 Size
Max_COTDA_CS	672 Maximum Central Office Terminal DLC-S Size
CUTDN_CPL_PerLine	\$ - Central Office Terminal DLC-4 Per line Investment
CUTDN_CPS_PerLine	\$ 76.40 Central Office Terminal DLC-S Per line Investment
Financial Data	
ReturnOnEquity	11.1% Return On Equity
DebtRate	7.8% Debt Rate
DebtRatio	32.8% (Debt Ratio)
Tax Data	
FederalTaxRate	35.0% Federal Tax Rate
StateTaxRate	5.7% State Tax Rate
AdvocacyInsurance	0.0% Ad Valorem, Insurance, etc.
OtherTaxRate	0.7% Other Tax Rate
Tax Depreciation	
BookSurvivalCurves	CGA/S Use Survival Curves
BookConvention	Mid Year Convention
BookELG_VG	ELG ELG / VG
BookWL_RL	Remaining Life WL / RL
Calculated Results	
BLC_SDiscout	100.00% DLC Small - Pricing ratio after Discount
DLC_Discount	100.00% DLC Large - Pricing ratio after Discount
FiberCostRatio	100.00% Fiber cable cost ratio after discount
CopperCostRatio	100.00% Copper Cable Cost ratio after discount
CopperGauge	26 Gauge of copper cable
Version 3 Input Change: Extended Range Line Card Inputs	
CUTDN_CPL_PerLineRange	\$ 15.54 Central Office Terminal DLC-4 Per line investment for Extended Range Line Cards
CUTDN_CPS_PerLineRange	\$ 18.54 Central Office Terminal DLC-S Per line investment for Extended Range Line Cards
RTDN_CPL_PerLineRange	\$ 187.50 Remote Terminal DLC-4 Per line Investment for Extended Range Line Cards
RTDN_CPS_PerLineRange	\$ 123.00 Remote Terminal DLC-S Per line Investment for Extended Range Line Cards
BreakPointExRange	\$ 11,600 Break point (in feet) when Extended Range line cards are Required in DLC

**Sprint-Florida Inc.**

**Universal Service Fund**

**Expense Inputs**

**Sprint-Florida Inc.**

**Universal Service Fund**

**Capital Cost Inputs**

## BCPM Capital Costs Inputs

### Capital Cost Inputs

Account	Economic Life (years)	Tax Life (years)	Future Net Salvage (percent)	Survival Curve	Gompertz C	Gompertz G	Gompertz S
Land	0	0	0%	Square Life	0.00000000	0.00000000	0.00000000
Motor Vehicle	8	3	11%	CG&S	1.36885980	-0.01372330	0.00357234
Special Purpose Vehicles	10	3	22%	CG&S	1.39000000	-0.03578191	0.02459161
Garage Work	12	5	3%	CG&S	1.02766470	-5.71031270	0.14552408
Other Work	14	5	1%	CG&S	1.02766470	-5.71031270	0.14552408
Building	42.5	31.5	3%	CG&S	1.18428730	-0.10144970	0.01557655
Furniture	16	5	3%	CG&S	1.18428730	-0.10144970	0.01557655
Office Support	11	5	2%	CG&S	1.02010290	-8.97443950	0.16316108
General Purpose Computers	5.5	5	3%	CG&S	1.02766470	-5.71031270	0.14552408
Switching	10	5	2%	CG&S	1.71629560	-0.00114623	0.00038173
Circuit/DLC	8.5	5	-1%	CG&S	1.36885980	-0.01372330	0.00357234
Pole	30	15	-89%	CG&S	1.10249400	-0.33410041	0.02401188
Aerial Copper	12.5	15	-18%	CG&S	1.71629560	-0.00114623	0.00038173
Aerial Fiber	19	15	-22%	CG&S	1.36885980	-0.01372330	0.00357234
Underground Copper	11.5	15	-8%	CG&S	1.71629560	-0.00114623	0.00038173
Underground Fiber	19	15	-17%	CG&S	1.36885980	-0.01372330	0.00357234
Buried Copper	14	15	-6%	CG&S	1.71629560	-0.00114623	0.00038173
Buried Fiber	19	15	-12%	CG&S	1.36885980	-0.01372330	0.00357234
Conduit	50	15	-5%	CG&S	1.36885980	-0.01372330	0.00357234

STATE OF FLORIDA  
PUBLIC SERVICE COMMISSION  
UNIVERSAL SERVICE DATA REQUEST

Preservation of an Incumbent Local Exchange Carrier's (ILECs') right to recover existing prudently made investments is best realized when the ILEC's forward looking cost model and company-specific inputs are used to quantify costs. The ILEC, currently the only carrier required to provide service on a carrier-of-last-resort basis in a defined geographic area, has facilities in place that will continue to be used to provide service to end-users in rural and high cost areas. One-size-fits-all costs are inappropriate because they do not reflect an ILEC's actual operations and do not represent the costs that the ILEC reasonably expects to incur, i.e., the forward-looking economic costs of providing service out of its own network. Company-specific inputs reflect each ILEC's current contracts with various material, construction and other service vendors.

GTE has concerns about any model that does not incorporate GTE engineering practices and inputs. GTE's Integrated Cost Model (ICM) recognizes these considerations and thus most accurately reflects GTE's costs. The ICM is a user-friendly model that enables external parties to easily review and understand GTE's cost studies. The ICM features an easy-to-use, Windows-based user interface. Cost study inputs, intermediate results, and outputs are presented in a table format that can be viewed or printed. Most of the key inputs can be varied easily by the user, allowing rapid

sensitivity analysis. The ICM, along with GTE-specific input data, best represents GTE's forward-looking long run incremental costs in operating its network.

Whatever model is mandated, it is very important that the input data be GTE specific input values. GTE-specific data should be used for all inputs for which GTE has data available such as material and labor costs, cost of money, depreciation lives and salvage values, wire center line counts, fill factors, structure mix assumptions and structure sharing assumptions.

At this point, GTE has not been able to develop company-specific inputs for every model input. However, GTE reserves the right to introduce additional input values and its ICM in future proceedings, particularly those geared to Florida-specific (rather than FCC) issues. (If ICM is used, then every input will be GTE-specific.) In response to this data request, GTE is submitting company-specific inputs to the Hatfield and BCPM models. GTE submits the Hatfield inputs only because the data request used a Hatfield input format. In no event would GTE support a Hatfield cost model. GTE has submitted BCPM inputs, in addition, because BCPM yields more rational results than Hatfield. GTE also submitted inputs to the BCPM model at the FCC. At the time of this request, only 1996 data is available, and GTE reserves the right to update the BCPM and Hatfield inputs using 1997 data in the near future.

Attachment A (file name: Hatfield.xls) includes GTE's inputs into the Hatfield model. Attachment B (file name: flchange.xls) is the Inputs Changed from Default

**ATTACHMENT A**  
**HATFIELD INPUTS**  
**(FILE NAME: HATFIELD.XLS)**

Distribution Input	HM E-5a Input #	HM E-5a Default Scenario Value	GTE HM E-5a Input Value	Notes
Distribution Cable Fill - 0	B18	0.60	1.00	GTE State Specific
Distribution Cable Fill - 5	B18	0.65	1.00	GTE State Specific
Distribution Cable Fill - 100	B18	0.65	1.00	GTE State Specific
Distribution Cable Fill - 200	B18	0.60	1.00	GTE State Specific
Distribution Cable Fill - 650	B18	0.65	1.00	GTE State Specific
Distribution Cable Fill - 650	B18	0.70	1.00	GTE State Specific
Distribution Cable Fill - 2550	B18	0.75	1.00	GTE State Specific
Distribution Cable Fill - 5000	B18	0.75	1.00	GTE State Specific
Distribution Cable Fill - 10000	B18	0.75	1.00	GTE State Specific
Buried Fraction - 0	B17	0.75	0.70	GTE State Specific
Buried Fraction - 5	B17	0.75	0.70	GTE State Specific
Buried Fraction - 100	B17	0.75	0.70	GTE State Specific
Buried Fraction - 200	B17	0.70	0.70	GTE State Specific
Buried Fraction - 650	B17	0.70	0.70	GTE State Specific
Buried Fraction - 650	B17	0.70	0.70	GTE State Specific
Buried Fraction - 2550	B17	0.65	0.70	GTE State Specific
Buried Fraction - 5000	B17	0.35	0.70	GTE State Specific
Buried Fraction - 10000	B17	0.05	0.70	GTE State Specific
Aerial Cable Fraction - 0	B17	0.25	0.30	GTE State Specific
Aerial Cable Fraction - 5	B17	0.25	0.30	GTE State Specific
Aerial Cable Fraction - 100	B17	0.25	0.30	GTE State Specific
Aerial Cable Fraction - 200	B17	0.30	0.30	GTE State Specific
Aerial Cable Fraction - 650	B17	0.30	0.30	GTE State Specific
Aerial Cable Fraction - 650	B17	0.30	0.30	GTE State Specific
Aerial Cable Fraction - 2550	B17	0.30	0.30	GTE State Specific
Aerial Cable Fraction - 5000	B17	0.60	0.30	GTE State Specific
Aerial Cable Fraction - 10000	B17	0.85	0.30	GTE State Specific
Pole Spacing, feet - 0	B19	260	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 5	B19	260	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 100	B19	200	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 200	B19	200	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 650	B19	175	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 650	B19	175	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 2550	B19	150	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 5000	B19	150	175	Supported by GTE Engineering Practice
Pole Spacing, feet - 10000	B19	150	175	Supported by GTE Engineering Practice
Drop Distance, feet - 0	B2	150	300	GTE State Specific
Drop Distance, feet - 5	B2	150	275	GTE State Specific
Drop Distance, feet - 100	B2	100	250	GTE State Specific
Drop Distance, feet - 200	B2	100	225	GTE State Specific
Drop Distance, feet - 650	B2	50	200	GTE State Specific
Drop Distance, feet - 650	B2	50	170	GTE State Specific
Drop Distance, feet - 2550	B2	50	50	GTE State Specific
Drop Distance, feet - 5000	B2	50	50	GTE State Specific
Drop Distance, feet - 10000	B2	50	50	GTE State Specific
Aerial Drop Placement (total) - 0	B3	23.33	23.33	Default

Hatfield Model Release 5.0a

GTE Hatfield 5.0a Florida Input Worksheet

Master 5.0a

Distribution Input	MIS Line Input #	MIS Line Default Scenario Value	FTE GTE Input #	GTE Input Value	Notes
Business MID basic labor	B1	15.00	8.00	GTE State Specific	
Business Production Block, per pair	B1	4.00	4.00	Default	
Average Lines per business location	B6	2.00	2.00	GTE State Specific	
Terminal and Splice pair line, buried	B7	42.00	79.30	GTE State Specific	
Terminal and Splice pair line, aerial	B7	32.00	79.30	GTE State Specific	
Drop cable investment per foot, buried	B8	0.14	0.12	GTE State Specific	
Drop cable buried pairs	B8	3.00	3.00	GTE State Specific	
Drop cable investment per foot, aerial	B8	0.005	0.12	GTE State Specific	
Drop cable aerial pairs	B8	2.00	3.00	GTE State Specific	
DG-0 fraction	B39	1.00	1.00	Default	
DG-1 fraction	B39	-	0	Default	
DG-0 pair equivalent	B40	1.00	1.00	Default	
DG-1 pair equivalent	B40	2.00	2.00	Default	
DG-3 pair equivalent	B40	50.00	2.00	Default	
Buried fraction available for shelf - 0	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 5	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 100	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 200	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 650	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 850	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 2550	B17	0.75	0	GTE State Specific	
Buried fraction available for shelf - 5000	B17	-	0	Default	
Buried fraction available for shelf - 10000	B17	-	0	Default	
Wireless Investment Cap Enabled	B41	FALSE	FALSE	Default	
Wireless Point-to-Point Inv cap - distribution, per line	B42	7,000.00	7,500	Default	
Wireless Common Inv, broadcast	B43	112,600	112,500	Default	
Wireless per line inv, broadcast	B44	500.00	500	Default	
Maximum broadcast lines for common inv	B45	30.00	30	Default	
TR-300 DLC Sub and Power	B50	1,000.00	25,333.00	GTE State Specific	
TR-300 DLC Maximum Lines/Investment	B50	672.00	672.00	GTE State Specific	
TR-300 DLC RTF/F Factor	B50	0.90	0.90	GTE State Specific	
TR-300 DLC Basic Common Eqn Invest + initial lines	B51	64,000	222,482.33	GTE State Specific	
TR-300 DLC POTS Channel Unit Investment	B52	210.00	248.00	GTE State Specific	
TR-300 DLC POTS Lines per CU	B53	4.00	4.00	GTE State Specific	
TR-300 DLC Coax Channel Unit Investment	B52	260.00	360.79	GTE State Specific	
TR-300 DLC Coax Lines per CU	B53	2.00	2.00	GTE State Specific	
TR-300 DLC 30x10 crossover, lines	B54	400.00	480.00	GTE State Specific	
TR-300 DLC Fibers per RT	B55	4.00	4.00	Default	
TR-300 DLC Optical Patch Panel	B56	1,000.00	1,200	GTE State Specific	
TR-300 DLC Copper Feeder Max Distance, ft	B57	9,000.00	12,000.00	Supported by GTE Engineering Practice	
TR-300 DLC Common Eqn Invest per additional 6/72 lines	B58	18,600.00	143,448.48	GTE State Specific	
TR-300 DLC Maximum Number of additional line modules/RT	B59	2.00	2.00	GTE State Specific	
Low Density DLC Data and Power	B60	1,500	2,672.00	GTE State Specific	
Low Density DLC Maximum Lines/Investment	B60	120.00	120.00	GTE State Specific	
Low Density DLC RT/Fill Factor	B60	0.90	0.90	GTE State Specific	

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GTE Hatfield 5.0a Florida Input Worksheet

Distribution Input	NET \$/ft Input #	NET \$/ft Default/ Scenario Value	GTE NET \$/ft Input Value	Notes
Low Density D.L.C. Basic Common Egal Invest • initial lines	B61	16,000.00	53,780.00	GTE State Specific
Low Density D.L.C. POTS Channel Unit Investment	B62	600.00	1,100.00	GTE State Specific
Low Density D.L.C. POTS Lines per CU	B63	6.00	6.00	GTE State Specific
Low Density D.L.C. Coax Channel Unit Investment	B62	600.00	1,595.76	GTE State Specific
Low Density D.L.C. Coax Lines per CU	B63	6.00	6.00	GTE State Specific
Low Density D.L.C. Fibers per RT	B65	4.00	4.00	Default
Low Density D.L.C. Optical Patch Panel	B66	1,000.00	1,200	GTE State Specific
Low Density D.L.C. Common Egal Invest per additional 96 lines	B68	9,400.00	15,278.97	GTE State Specific
Low Density D.L.C. Maximum Number of additional line modulator/R	B69	1.00	3.00	GTE State Specific
Distribution Cable Size 1	B9	2,400	2,400	Default
Distribution Cable Size 2	B9	1,800	1,800	Default
Distribution Cable Size 3	B9	1,200	1,200	Default
Distribution Cable Size 4	B9	800	800	Default
Distribution Cable Size 5	B9	600	600	Default
Distribution Cable Size 6	B9	400	400	Default
Distribution Cable Size 7	B9	200	200	Default
Distribution Cable Size 8	B9	100	100	Default
Distribution Cable Size 9	B9	50	50	Default
Distribution Cable Size 10	B9	25	25	Default
Distribution Cable Size 11	B9	12	12	Default
Distribution Cable Size 12	B9	6	6	Default
Distribution Cable Investment per foot 1	B10	20.00	18.32	GTE State Specific
Distribution Cable Investment per foot 2	B10	16.00	11.67	GTE State Specific
Distribution Cable Investment per foot 3	B10	12.00	8.32	GTE State Specific
Distribution Cable Investment per foot 4	B10	10.00	8.00	GTE State Specific
Distribution Cable Investment per foot 5	B10	7.75	4.77	GTE State Specific
Distribution Cable Investment per foot 6	B10	6.00	3.40	GTE State Specific
Distribution Cable Investment per foot 7	B10	4.25	2.28	GTE State Specific
Distribution Cable Investment per foot 8	B10	2.50	1.55	GTE State Specific
Distribution Cable Investment per foot 9	B10	1.63	1.34	GTE State Specific
Distribution Cable Investment per foot 10	B10	1.19	1.07	GTE State Specific
Distribution Cable Investment per foot 11	B10	0.76	1.05	GTE State Specific
Distribution Cable Investment per foot 12	B10	0.63	1.05	GTE State Specific
Distribution Riser Cable Size 1	B9	2,400	2,400	Default
Distribution Riser Cable Size 2	B9	1,800	1,800	Default
Distribution Riser Cable Size 3	B9	1,200	1,200	Default
Distribution Riser Cable Size 4	B9	800	800	Default
Distribution Riser Cable Size 5	B9	600	600	Default
Distribution Riser Cable Size 6	B9	400	400	Default
Distribution Riser Cable Size 7	B9	200	200	Default
Distribution Riser Cable Size 8	B9	100	100	Default
Distribution Riser Cable Size 9	B9	50	50	Default
Distribution Riser Cable Size 10	B9	25	25	Default
Distribution Riser Cable Size 11	B9	12	12	Default
Distribution Riser Cable Size 12	B9	6	6	Default

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GTE Hatfield 5.0a Florida Input Worksheet

Distribution Input	Line S. No. Input #	Field & Site Default Value	GTE MM Value	Notes
Distribution Riser Cable Investment per foot 1	B11	25.00	10.75	GTE State Specific
Distribution Riser Cable Investment per foot 2	B11	20.00	11.05	GTE State Specific
Distribution Riser Cable Investment per foot 3	B11	15.00	8.30	GTE State Specific
Distribution Riser Cable Investment per foot 4	B11	12.60	6.93	GTE State Specific
Distribution Riser Cable Investment per foot 5	B11	10.00	5.20	GTE State Specific
Distribution Riser Cable Investment per foot 6	B11	7.50	4.07	GTE State Specific
Distribution Riser Cable Investment per foot 7	B11	5.30	3.07	GTE State Specific
Distribution Riser Cable Investment per foot 8	B11	3.15	2.33	GTE State Specific
Distribution Riser Cable Investment per foot 9	B11	2.05	2.07	GTE State Specific
Distribution Riser Cable Investment per foot 10	B11	1.50	1.87	GTE State Specific
Distribution Riser Cable Investment per foot 11	B11	0.95	1.87	GTE State Specific
Distribution Riser Cable Investment per foot 12	B11	0.80	1.87	GTE State Specific
Distance Multiplier for difficult terrain	B29	1.00	1.00	Default
Rock Depth Threshold, inches	B21	24.00	30.00	GTE State Specific
Hard Rock Penetration Multiplier	B22	1.50	3.15	GTE State Specific
Soft Rock Penetration Multiplier	B23	2.00	2.07	GTE State Specific
Sidewall/Surface Friction	B24	0.70	0.70	Default
Local RI - Minimum Total Distance	B25	10,000	12,000	Supported by GTE Engineering Practice
SAI Cable Size 1	B39	7,700	7,700	Default
SAI Cable Size 2	B39	5,600	5,400	Default
SAI Cable Size 3	B39	3,400	3,000	Default
SAI Cable Size 4	B39	2,400	2,400	Default
SAI Cable Size 5	B39	1,800	1,800	Default
SAI Cable Size 6	B39	1,200	1,200	Default
SAI Cable Size 7	B39	800	800	Default
SAI Cable Size 8	B39	600	600	Default
SAI Cable Size 9	B39	400	400	Default
SAI Cable Size 10	B39	200	200	Default
SAI Cable Size 11	B39	100	100	Default
SAI Cable Size 12	B39	50	50	Default
SAI Indoor Investment 1	B39	8,656	9,656	Default
SAI Indoor Investment 2	B39	7,392	7,392	Default
SAI Indoor Investment 3	B39	4,928	4,928	Default
SAI Indoor Investment 4	B39	3,952	3,952	Default
SAI Indoor Investment 5	B39	2,464	2,464	Default
SAI Indoor Investment 6	B39	1,776	1,776	Default
SAI Indoor Investment 7	B39	1,232	1,232	Default
SAI Indoor Investment 8	B39	800	800	Default
SAI Indoor Investment 9	B39	602	502	Default
SAI Indoor Investment 10	B39	206	206	Default
SAI Indoor Investment 11	B39	148	148	Default
SAI Indoor Investment 12	B39	98	98	Default
SAI Outdoor Investment 1	B39	10,000	10,000	Default
SAI Outdoor Investment 2	B39	8,200	8,200	Default
SAI Outdoor Investment 3	B39	6,000	5,201	GTE State Specific
SAI Outdoor Investment 4	B39	4,300	5,201	GTE State Specific

Feeder input	HRI 5.0a Input #	HRI 5.0a Default Scenario Value	GTE HRI 5.0a Input Value	Notes
Copper Feeder Fill - 0	B54	0.65	0.79	GTE State Specific
Copper Feeder Fill - 5	B54	0.75	0.79	GTE State Specific
Copper Feeder Fill - 100	B54	0.80	0.77	GTE State Specific
Copper Feeder Fill - 200	B54	0.80	0.66	GTE State Specific
Copper Feeder Fill - 650	B54	0.60	0.59	GTE State Specific
Copper Feeder Fill - 850	B54	0.80	0.84	GTE State Specific
Copper Feeder Fill - 2550	B54	0.80	0.50	GTE State Specific
Copper Feeder Fill - 5000	B54	0.80	0.50	GTE State Specific
Copper Feeder Fill - 10000	B54	0.80	0.50	GTE State Specific
Fiber Feeder Strand Fill - 0	B55	1.00	0.79	GTE State Specific
Fiber Feeder Strand Fill - 5	B55	1.00	0.79	GTE State Specific
Fiber Feeder Strand Fill - 100	B55	1.00	0.77	GTE State Specific
Fiber Feeder Strand Fill - 200	B55	1.00	0.66	GTE State Specific
Fiber Feeder Strand Fill - 650	B55	1.00	0.59	GTE State Specific
Fiber Feeder Strand Fill - 850	B55	1.00	0.64	GTE State Specific
Fiber Feeder Strand Fill - 2550	B55	1.00	0.50	GTE State Specific
Fiber Feeder Strand Fill - 5000	B55	1.00	0.50	GTE State Specific
Fiber Feeder Strand Fill - 10000	B55	1.00	0.50	GTE State Specific
Copper Aerial Fraction - 0	B46	0.50	0.14	GTE State Specific
Copper Aerial Fraction - 5	B46	0.50	0.14	GTE State Specific
Copper Aerial Fraction - 100	B46	0.60	0.14	GTE State Specific
Copper Aerial Fraction - 200	B46	0.40	0.14	GTE State Specific
Copper Aerial Fraction - 650	B46	0.30	0.14	GTE State Specific
Copper Aerial Fraction - 850	B46	0.29	0.14	GTE State Specific
Copper Aerial Fraction - 2550	B46	0.15	0.14	GTE State Specific
Copper Aerial Fraction - 5000	B46	0.18	0.14	GTE State Specific
Copper Aerial Fraction - 10000	B46	0.05	0.14	GTE State Specific
Copper Buried Fraction - 0	B46	0.45	0.54	GTE State Specific
Copper Buried Fraction - 5	B46	0.45	0.54	GTE State Specific
Copper Buried Fraction - 100	B46	0.45	0.54	GTE State Specific
Copper Buried Fraction - 200	B46	0.40	0.54	GTE State Specific
Copper Buried Fraction - 650	B46	0.30	0.54	GTE State Specific
Copper Buried Fraction - 850	B46	0.20	0.54	GTE State Specific
Copper Buried Fraction - 2550	B46	0.10	0.54	GTE State Specific
Copper Buried Fraction - 5000	B46	0.05	0.54	GTE State Specific
Copper Buried Fraction - 10000	B46	0.05	0.54	GTE State Specific
Copper Manhole Spacing, feet - 0	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 5	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 100	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 200	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 650	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 850	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 2550	B47	500	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 5000	B47	400	750	Supported by GTE Engineering Practice
Copper Manhole Spacing, feet - 10000	B47	400	750	Supported by GTE Engineering Practice
Fiber Aerial Fraction - 0	B51	0.35	0.14	GTE State Specific

Feeder Input	HME 5.0a Input #	HME 5.0a Default Scenario Value	GTE HME 5.0a Input Value	Notes
Fiber Aerial Fraction - 5	B51	0.35	0.14	GTE State Specific
Fiber Aerial Fraction - 100	B51	0.35	0.14	GTE State Specific
Fiber Aerial Fraction - 200	B51	0.30	0.14	GTE State Specific
Fiber Aerial Fraction - 650	B51	0.30	0.14	GTE State Specific
Fiber Aerial Fraction - 850	B51	0.29	0.14	GTE State Specific
Fiber Aerial Fraction - 2550	B51	0.15	0.14	GTE State Specific
Fiber Aerial Fraction - 5000	B51	0.10	0.14	GTE State Specific
Fiber Aerial Fraction - 10000	B51	0.05	0.14	GTE State Specific
Fiber Buried Fraction - 0	B51	0.65	0.54	GTE State Specific
Fiber Buried Fraction - 5	B51	0.69	0.54	GTE State Specific
Fiber Buried Fraction - 100	B51	0.69	0.54	GTE State Specific
Fiber Buried Fraction - 200	B51	0.60	0.54	GTE State Specific
Fiber Buried Fraction - 850	B51	0.38	0.54	GTE State Specific
Fiber Buried Fraction - 850	B51	0.20	0.54	GTE State Specific
Fiber Buried Fraction - 2550	B51	0.10	0.54	GTE State Specific
Fiber Buried Fraction - 5000	B51	0.05	0.54	GTE State Specific
Fiber Buried Fraction - 10000	B51	0.05	0.54	GTE State Specific
Fiber Pullbox Spacing feet - 0	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 5	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 100	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 200	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 650	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 850	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 2550	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 5000	B52	2,000	3,000	GTE State Specific
Fiber Pullbox Spacing feet - 10000	B52	2,000	3,000	GTE State Specific
Fiber Feeder Investment per foot - 215	B57	13.10	13.10	Default
Fiber Feeder Investment per foot - 144	B57	9.50	7.25	GTE State Specific
Fiber Feeder Investment per foot - 96	B57	7.10	5.01	GTE State Specific
Fiber Feeder Investment per foot - 72	B57	5.90	4.00	GTE State Specific
Fiber Feeder Investment per foot - 60	B57	5.30	3.50	GTE State Specific
Fiber Feeder Investment per foot - 48	B57	4.70	3.13	GTE State Specific
Fiber Feeder Investment per foot - 36	B57	4.10	2.65	GTE State Specific
Fiber Feeder Investment per foot - 24	B57	3.50	2.17	GTE State Specific
Fiber Feeder Investment per foot - 18	B57	3.20	2.17	GTE State Specific
Fiber Feeder Investment per foot - 12	B57	2.90	1.64	GTE State Specific
Copper Feeder Investment per foot - 4200	B58	28.00	29.00	Default
Copper Feeder Investment per foot - 3600	B58	26.00	26.00	Default
Copper Feeder Investment per foot - 3000	B58	23.00	23.00	Default
Copper Feeder Investment per foot - 2400	B58	20.00	16.62	GTE State Specific
Copper Feeder Investment per foot - 1800	B58	16.00	12.12	GTE State Specific
Copper Feeder Investment per foot - 1200	B58	12.00	8.60	GTE State Specific
Copper Feeder Investment per foot - 900	B58	10.00	6.84	GTE State Specific
Copper Feeder Investment per foot - 600	B58	7.75	4.93	GTE State Specific
Copper Feeder Investment per foot - 400	B58	6.00	3.60	GTE State Specific
Copper Feeder Investment per foot - 200	B58	4.25	2.44	GTE State Specific

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GTE Hatfield 5.0a Florida Input Worksheet

Feedline Input	Unit & # Input #	MM & # Default Nominal Value	GTE MM MM, # Input Value	Notes
Copper Feeder Investment per foot - 100	B654	2.50	1.74	GTE State Specific
Burned Copper Cable Strength Multiplier	B113	1.04	1.04	Default
Burned Fiber Sheath Addition per foot	B653	0.20	0.20	Default
Fiber Materials	B43	291.00	190.70	GTE State Specific
Fiber Labor	B49	216.00	177.43	GTE State Specific
Conduit Material Investment per foot	B114	0.68	0.61	Default
Inner Duct Investment per foot	B653	0.20	0.15	GTE State Specific
Space Tubes per section	B115	1.00	1.00	Default
Regional Labor Adjustment Factor (see Labor Inputs)	B116	1.00	1.00	Default
Fiber Splicing, feet - 0	B48	250.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 5	B48	250.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 100	B48	250.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 200	B48	250.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 650	B48	175.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 850	B48	175.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 2550	B48	150.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 5000	B48	150.00	175	Supported by GTE Engineering Practice
Fiber Splicing, feet - 10000	B48	150.00	175	Supported by GTE Engineering Practice
Burned fraction available for shift - 0	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 5	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 10	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 200	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 650	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 850	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 2550	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 5000	B51	0.75	0	Supported by GTE Engineering Practice
Burned fraction available for shift - 10000	B51	0.75	0	Supported by GTE Engineering Practice
Fiber Investment/foot	B657	0.1100	0.05667	GTE State Specific
Copper Investment/foot	B658	0.5075	0.00746	GTE State Specific
Copper Manhole Materials - 0	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 5	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 100	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 200	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 650	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 850	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 2550	B70	1.865	1.122	GTE State Specific
Copper Manhole Materials - 5000	B70	1.865	1.122	GTE State Specific
Copper Manhole Frame and Cover - 10000	B70	1.865	1.122	GTE State Specific
Copper Manhole Frame and Cover - 0	B70	250.00	250.00	Default
Copper Manhole Frame and Cover - 5	B70	350.00	350.00	Default
Copper Manhole Frame and Cover - 100	B70	350.00	350.00	Default
Copper Manhole Frame and Cover - 200	B70	350.00	350.00	Default
Copper Manhole Frame and Cover - 650	B70	350.00	350.00	Default
Copper Manhole Frame and Cover - 850	B70	350.00	350.00	Default
Copper Manhole Frame and Cover - 2550	B70	350.00	350.00	Default

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GTE Hatfield 5.0a Florida Input Worksheet

Field or Input	HRB 5.0a Input #	HRB 5.0a Default Value	GTE HRB 0.1m Report Value	GTE Notes
Copper Manhole Frame and Cover - 5000	870	360.00	360.00	Default
Copper Manhole Frame and Cover - 10000	870	560.00	560.00	Default
Copper Manhole Site Delivery - 0	870	125.00	125.00	Default
Copper Manhole Site Delivery - 5	870	125.00	125.00	Default
Copper Manhole Site Delivery - 100	870	125.00	125.00	Default
Copper Manhole Site Delivery - 200	870	125.00	125.00	Default
Copper Manhole Site Delivery - 650	870	125.00	125.00	Default
Copper Manhole Site Delivery - 850	870	125.00	125.00	Default
Copper Manhole Site Delivery - 2500	870	125.00	125.00	Default
Copper Manhole Site Delivery - 5000	870	125.00	125.00	Default
Copper Manhole Site Delivery - 10000	870	125.00	125.00	Default
Copper Manhole Excavate and Backfill - 0	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 5	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 100	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 200	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 650	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 850	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 2500	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 5000	870	2,800.00	4,577.50	GTE State Specific
Copper Manhole Excavate and Backfill - 10000	870	2,800.00	4,577.50	GTE State Specific
Fiber Puffbox Materials - 0	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 5	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 100	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 200	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 650	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 850	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 2500	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 5000	873	200.00	1,400	GTE State Specific
Fiber Puffbox Materials - 10000	873	200.00	1,400	GTE State Specific
Fiber Puffbox Installation - 0	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 5	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 100	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 200	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 650	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 850	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 2500	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 5000	873	220.00	2,678.24	GTE State Specific
Fiber Puffbox Installation - 10000	873	220.00	2,678.24	GTE State Specific
Oversteering Radius manhole excavation (inches)	873	0.20	0.20	Default
Wedge blade depth for dewatering (ft)	872	6.00	5.00	Default

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GTE Hatfield 5 0a Florida Input Worksheet

Facilities	Address	City	State	Zip	Notes

Switching Item	HPI 5.0a Input #	HPI 6.0a Output Scenario Value	GTE HPI 6.0a Input Values	Notes
Constant EO Switching Investment Term, small ICO	B062	418.11	418.11 Default	
Switch Capacity Real-Time (BHCA) - 1	B074	242.73	242.73 Default	
Switch Capacity Real-Time (BHCA) - 2	B074	10,000	10,000 Default	
Switch Capacity Real-Time (BHCA) - 3	B074	50,000	50,000 Default	
Switch Capacity Real-Time (BHCA) - 4	B074	200,000	200,000 Default	
Switch Capacity Traffic (BHCCS) - 1	B075	20,000	20,000 Default	
Switch Capacity Traffic (BHCCS) - 2	B075	100,000	150,000 Default	
Switch Capacity Traffic (BHCCS) - 3	B075	600,000	600,000 Default	
Switch Capacity Traffic (BHCCS) - 4	B075	1,800,000	1,800,000 Default	
Initial Switch Maximum Equipment Line Size	B076	80,000	80,000 Default	
Switch Port Administration Fee	B077	0.00	0.00 GTE State Specific	
Switch Maximum Processor Occupancy	B078	0.00	0.00 Default	
Processor Feature Loading Multiplier - nominal	B084	1.20	1.20 Default	
Processor Feature Loading Multiplier - heavy business	B084	2.00	2.00 Default	
Processor Feature Loading Multiplier - business prioritization threshold	B085	6.00	0.30 Default	
MDR/Protective Investment per line	B079	12.00	19.34 GTE State Specific	
Analog Line Circuit Offset for DLC lines, per line	B080	6.00	- GTE State Specific	
Switch Installation Multiplier	B081	1.10	1.10 Default	
Operative Traffic Fraction	B131	0.02	0.02 Default	
Total InterLATA Traffic Fraction	B132	0.05	0.05 Default	
Maximum Trunk Occupancy, CCS	B133	27.00	27.50 Default	
Trunk Port, low end	B134	100.00	100.00 Default	
Entrance Facility Distance, miles	B148	0.00	0.50 Default	
Direct-reduced Fraction of Local InterOffice	B148	0.00	0.00 Default	
FCPs per Tandem Location	B150	0.00	0.00 Default	
Tandem-routed Fraction of Total InterLATA Traffic	B150	0.20	0.20 Default	
Tandem-routed Fraction of Total InterLATA Traffic	B157	0.20	0.20 Default	
Local Call Attempts	B152	5,567,700	5,567,700 Default	
Call Concentration Factor	B153	0.70	0.70 Default	
InterLATA Calls Completed	B064	78,000	78,000 Default	
InterLATA interstate Calls Completed	B065	450,000	450,000 Default	
InterLATA interstate Calls Completed	B066	970,000	970,000 Default	
Local DEUs, thousands	B097	27,271,679	27,271,679 Default	
Interstate DEUs, thousands	B098	2,560,125	3,500,320 Default	
Interstate DEMs, thousands	B099	6,000,000	5,900,000 Default	
Local Business Residence DEMs	B100	1.10	1.10 Default	
Interstate Business/Residence DEMs	B101	2.00	2.00 Default	
Interstate Business/Residence DEMs	B102	3.00	3.00 Default	
BH Fraction of Daily Usage	B103	0.10	0.10 Default	
Arrival to Daily Usage Reduction Factor	B104	270.00	270.00 Default	
Residential Holding Time Multiplier	B105	1.00	1.00 Default	
Business Holding Time Multiplier	B106	1.00	1.00 Default	
Residential Call Attempts per BH	B108	1.10	1.10 Default	
Business Call Attempts per BH	B109	1.00	1.00 Default	
ICO SYP Investment, per line (equipment)	B168	5.50	5.50 Default	

Hatfield Model Release 5.0a  
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GTE Hatfield 5.0a Florida Input Worksheet

Parameter	Unit	Init. Val.	Init. Scenario	GTTE Init. Val.	Notes
<b>Switching Investment</b>					
KO Local Tandem Investment, per line	B168	1.00	1.00	Default	
KO OS Tandem Investment, per line	B170	0.40	0.40	Default	
KO SCP Investment per line (Equipment)	B171	2.00	2.50	Default	
KO SCP - STP per line (Equipment)	B172	0.40	0.40	Default	
KO Local Tandem Investment, per line (wacc=0.04)	B173	2.00	2.50	Default	
KO OS Tandem Investment, per line (wacc=0.04)	B174	1.00	1.00	Default	
KO Tandem A Links and C Links, per line (wacc=0.04)	B175	0.30	0.30	Default	
Exceeded Facility Investment, per DSO	B175a	138.00	138.00	Default	
Exceeded Terminal Investment per DSO	B176	111.62	111.62	Default	
Peak-Lime Limd, BHCA	B143	750.00	750.00	Default	
Port Limit, trunks	B144	100.00	100.00	Default	
Common Equipment Investment	B145	1,000,000	1,000,000	Default	
Maximum Port FTR	B146	0.80	0.80	Default	
Maximum Real-time Occupancy	B147	0.80	0.80	Default	
Common Equipment Intercept Factor	B148	0.50	0.50	Default	
STP Link Capacity	B150	770	770	Default	
STP Maximum Link FTR	B151	0.80	0.80	Default	
Maximum STP Investment, per pair	B152	5,000,000	5,000,000	Default	
Minimum STP Investment, per pair	B153	1,000,000	1,000,000	Default	
Link Termination, both ends	B154	900	900	Default	
Signaling Link Bit Rate	B155	64,000	56,000	Default	
Link Occupancy	B156	0.40	0.40	Default	
C Link Cross Section	B157	24.00	24.00	Default	
ISUP Messages per Interface BHCA	B158	6.00	6.00	Default	
ISUP Message Length, bytes	B159	25.00	25.00	Default	
TCP/IP Messages per transaction	B160	2.00	2.00	Default	
TCP/IP Message length, bytes	B161	100.00	100.00	Default	
Fraction of BHCA requiring TCP/IP	B162	0.10	0.10	Default	
SCP Investment/Transaction/Second	B163	20.000	20.000	Default	
Operator Investment per position	B164	0.400	0.400	Default	
Operator Minimum Utilization, per position, CCS	B165	2.00	2.00	Default	
Operator Intervention Factor	B166	10.00	10.00	Default	
Public Telephone Investment, per station	B167	700	700	Default	
Laf Size, Multiplier of Switch Room Size	B168	2	2	Default	
Tandem/B/H/Wire Counter Common Factor	B07	0.40	0.40	Default	
Power Investment 1	B08	5,000	55,284	GTE State Specific	
Power Investment 2	B09	10,000	55,284	GTE State Specific	
Power Investment 3	B09	20,000	184,024	GTE State Specific	
Power Investment 4	B09	50,000	206,640	GTE State Specific	
Power Investment 5	B09	250,000	436,673	GTE State Specific	
Switch Room Size, eq R 1	B09	500	1,000.00	Adjusted Default	
Switch Room Size, eq R 2	B09	1,000	2,000.00	Adjusted Default	
Switch Room Size, eq R 3	B09	2,000	4,000.00	Adjusted Default	
Switch Room Size, eq R 4	B09	5,000	10,000.00	Adjusted Default	
Switch Room Size, eq R 5	B09	10,000	20,000.00	Adjusted Default	
Construction Investment, eq R 1	B09	75,00	135.00	Adjusted Default (RS Means)	

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Switched Inputs	HMS 5.0a Input #	HMS 5.0a Default Scenario Value	GTE HMS 5.0a Input Value	Notes
Host remote fraction of metropolitan traffic - remote	B140	0.10	0.10	Default
Host remote fraction of metropolitan traffic - host	B141	0.05	0.05	Default
Maximum nodes per ring	B142	16,000	8,000	Suggested by GTE Engineering Practice
Use host - remote assignments	B177	FALSE	FALSE	Default
Ring branching traffic factor	B142a	0.40	0.40	Default
Inter-tandem fraction of tandem trunks (additive)	B142b	0.10	0.10	Default
Switch line size - 1	B177a	-	-	Default
Switch line size - 2	B177c	640,000	640,000	Default
Switch line size - 3	B177a	6,000	5,000	Default
Switch line size - 4	B177a	10,000	10,000	Default
BDCI stand-alone fixed inv - 1	B177b	175,000	175,000	Default
BDCI stand-alone fixed inv - 2	B177b	175,000	175,000	Default
BDCI stand-alone fixed inv - 3	B177b	175,000	175,000	Default
BDCI stand-alone fixed inv - 4	B177b	475,000	475,000	Default
BDCI host fixed inv - 1	B177b	183,750	183,750	Default
BDCI host fixed inv - 2	B177b	183,750	183,750	Default
BDCI host fixed inv - 3	B177b	183,750	183,750	Default
BDCI host fixed inv - 4	B177b	468,750	468,750	Default
BDCI remote fixed inv - 1	B177b	10,000	10,000	Default
BDCI remote fixed inv - 2	B177b	55,000	55,000	Default
BDCI remote fixed inv - 3	B177b	70,000	70,000	Default
BDCI remote fixed inv - 4	B177b	225,000	225,000	Default
BDCI stand-alone perf line inv - 1	B177b	75	75	Default
BDCI stand-alone perf line inv - 2	B177b	75	75	Default
BDCI stand-alone perf line inv - 3	B177b	75	75	Default
BDCI stand-alone perf line inv - 4	B177b	75	75	Default
BDCI host perf line inv - 1	B177b	75	75	Default
BDCI host perf line inv - 2	B177b	75	75	Default
BDCI host perf line inv - 3	B177b	75	75	Default
BDCI host perf line inv - 4	B177b	75	75	Default
BDCI remote perf line inv - 1	B177b	85	85	Default
BDCI remote perf line inv - 2	B177b	85	85	Default
BDCI remote perf line inv - 3	B177b	85	85	Default
BDCI remote perf line inv - 4	B177b	70	70	Default
BDCI stand-alone fixed inv - 1	B177b	200,000	200,000	Default
BDCI stand-alone fixed inv - 2	B177b	300,000	300,000	Default
BDCI stand-alone fixed inv - 3	B177b	300,000	300,000	Default
BDCI stand-alone fixed inv - 4	B177b	855,000	855,000	Default
KCO remote fixed inv - 1	B177b	17,143	17,143	Default
KCO remote fixed inv - 2	B177b	94,290	94,290	Default
KCO remote fixed inv - 3	B177b	120,000	120,000	Default

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GTE Hatfield 5 0a Florida Input Worksheet

Switching Thread	Net & ea Input #	Net & ea Default Scenario Value	GTE Net & ea Input Value	Notes
KCO remote load inv - 4	B177b	365,716	365,716	Default
KCO standbys per line inv - 1	B177b	129	129	Default
KCO standbys per line inv - 2	B177b	129	129	Default
KCO standbys per line inv - 3	B177b	129	129	Default
KCO standbys per line inv - 4	B177b	124	124	Default
KCO host per line inv - 1	B177b	129	129	Default
KCO host per line inv - 2	B177b	129	129	Default
KCO host per line inv - 3	B177b	129	129	Default
KCO host per line inv - 4	B177b	124	124	Default
KCO remote per line inv - 1	B177b	146	146	Default
KCO remote per line inv - 2	B177b	141	141	Default
KCO remote per line inv - 3	B177b	146	146	Default
KCO remote per line inv - 4	B177b	120	120	Default

Hatfield Model Release 5.0a

GTE Hatfield 5 0a Florida Input Worksheet

		1st Line Debt Bonds	GTE M F.M.	GTE M M.M.	
	1st Line Debt Bonds Value	Liquid A	Value	Value	Mode
<b>Capital Input</b>					
Cost of Debt	B1179	0.977	0.0004	GTE State Specific	
Debt Fraction	B1179	0.450	0.245	GTE State Specific	
Cost of Equity	B1179	0.1190	0.1430	GTE State Specific	
Average Track Utilization	B1180	0.360	0.360	Default	
Tax Rate	B1181	0.2825	0.4000	GTE State Specific	
Corporate Overhead Factor	B1182	0.164	0.1640	Default	
Other Taxes Factor	B1183	0.060	0.0117	GTE State Specific	
Billing-Ear Inquiry per line per month	B1184	1.220	1.220	Default	
Directory Listing per line per month	B1185	-	-	Default	
Forward-looking Network Operations Factor	B1186	0.500	1.0000	GTE State Specific	
Alternative CO Switching Factor	B1187	0.2500	0.0600	GTE State Specific	
Alternative Circuit E quivalence Factor	B1188	0.0163	0.0102	GTE State Specific	
EO Traffic Survival Fraction	B1189	0.700	0.700	Default	
Monthly LMP cost per line	B1190	0.250	0.250	Default	
Carrier to Carrier Customer Service per line per year	B1191	1.60	1.60	Default	
NID Expenses per line per year	B1192	1.00	1.00	Default	
DB-GDS-1 Terminal Factor	B1193	12.4	12.4	Default	
DB-105-3 Terminal Factor	B1194	8.9	8.9	Default	
Average Lines per Business Location	B1195	4	4	Default	
Distribution Aerial String Fraction - 0	B1196	0.50	0.00	GTE State Specific	
Distribution Aerial String Fraction - 5	B1197	0.33	0.80	GTE State Specific	
Distribution Aerial String Fraction - 100	B1198	0.25	0.80	GTE State Specific	
Distribution Aerial String Fraction - 200	B1199	0.25	0.80	GTE State Specific	
Distribution Aerial String Fraction - 650	B1200	0.25	0.80	GTE State Specific	
Distribution Aerial String Fraction - 2550	B1201	0.25	0.80	GTE State Specific	
Distribution Aerial String Fraction - 5000	B1202	0.25	0.80	GTE State Specific	
Distribution Buried String Fraction - 10000	B1203	0.25	0.80	GTE State Specific	
Distribution Buried String Fraction - 0	B1204	0.33	1.00	GTE State Specific	
Distribution Buried String Fraction - 5	B1205	0.25	1.00	GTE State Specific	
Distribution Buried String Fraction - 100	B1206	0.25	1.00	GTE State Specific	
Distribution Buried String Fraction - 200	B1207	0.25	1.00	GTE State Specific	
Distribution Buried String Fraction - 650	B1208	0.25	1.00	GTE State Specific	
Distribution Buried String Fraction - 2550	B1209	0.25	1.00	GTE State Specific	
Distribution Buried String Fraction - 5000	B1210	0.25	1.00	GTE State Specific	
Distribution Buried String Fraction - 10000	B1211	0.25	1.00	GTE State Specific	
Distribution Underground String Fraction - 0	B1212	1.00	0.9718	GTE State Specific	
Distribution Underground String Fraction - 5	B1213	0.50	0.9718	GTE State Specific	
Distribution Underground String Fraction - 100	B1214	0.50	0.9718	GTE State Specific	
Distribution Underground String Fraction - 200	B1215	0.50	0.9718	GTE State Specific	
Distribution Underground String Fraction - 650	B1216	0.40	0.9718	GTE State Specific	
Distribution Underground String Fraction - 2550	B1217	0.33	0.9718	GTE State Specific	
Distribution Underground String Fraction - 5000	B1218	0.33	0.9718	GTE State Specific	
Distribution Underground String Fraction - 10000	B1219	0.33	0.9718	GTE State Specific	

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GTE Hatfield 5.0a Florida Input Worksheet

Parameter Name	Model Value	Net 0.0a Default Scenario Value	Net 0.0a Default GTE 0.0a Input Value	Note(s)
Feeder Aerial Stripping Fraction - 0	B100	0.00	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 5	B100	0.33	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 100	B100	0.25	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 200	B100	0.25	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 650	B100	0.25	0.00	CYY State Specific
Feeder Aerial Stripping Fraction - 850	B100	0.25	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 2550	B100	0.25	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 5000	B100	0.25	0.00	GTE State Specific
Feeder Aerial Stripping Fraction - 10000	B100	0.25	0.00	GTE State Specific
Feeder Underground Stripping Fraction - 0	B100	0.00	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 5	B100	0.00	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 100	B100	0.48	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 200	B100	0.33	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 650	B100	0.33	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 850	B100	0.33	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 2550	B100	0.33	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 5000	B100	0.33	0.9718	GTE State Specific
Feeder Underground Stripping Fraction - 10000	B100	0.33	0.9718	GTE State Specific
Feeder Buried Stripping Fraction - 0	B100	0.00	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 5	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 100	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 200	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 650	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 850	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 2550	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 5000	B100	0.48	1.00	GTE State Specific
Feeder Buried Stripping Fraction - 10000	B100	0.48	1.00	GTE State Specific
Motor Vehicles - Economic Life	B173	8.24	8.00	GTE State Specific
Office Work Equipment - Economic Life	B173	12.22	10.00	GTE State Specific
Other Work Equipment - Economic Life	B173	13.04	10.00	GTE State Specific
Buildings - Economic Life	B173	48.83	20.00	GTE State Specific
Furniture - Economic Life	B173	15.92	10.00	GTE State Specific
Office Support Equipment - Economic Life	B173	10.78	10.00	GTE State Specific
Company Comm Equipment - Economic Life	B173	7.49	10.00	GTE State Specific
General Purpose Computer - Economic Life	B173	8.12	5.00	GTE State Specific
Digital Electronic Switching - Economic Life	B173	18.17	10.00	GTE State Specific
Operator Systems - Economic Life	B173	3.41	10.00	GTE State Specific
Digital Circuit Equipment - Economic Life	B173	10.34	8.00	GTE State Specific
Public Telephone Terminal Equipment - Economic Life	B173	7.68	7.00	GTE State Specific
Tables - Economic Life	B173	30.26	25.00	GTE State Specific
Aerial Cable - metallic - Economic Life	B173	20.61	15.00	GTE State Specific
Aerial Cable - non metallic - Economic Life	B173	20.14	20.00	GTE State Specific
Underground Cables - metallic - Economic Life	B173	26.00	15.00	GTE State Specific
Underground Cables - non metallic - Economic Life	B173	26.46	20.00	GTE State Specific
Buried - metallic - Economic Life	B173	21.57	15.00	GTE State Specific
Buried - non metallic - Economic Life	B173	26.81	20.00	GTE State Specific

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GTE Hatfield 5.0a Florida Input Worksheet

Express Input		Hatfield Date HAT Data Report #	HAT & GTE Date Synopsis Values	GTE HAT Data Input Values	Notes
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GTE Hatfield 5.0a Florida Input Worksheet

Expense Item		HHR 5.0a Dollars Borrowed	OTEL 5.0a 5.00 Input Value	Notes

Underground Excavation/Restoration	HRI 5.0a Input #	HRI 5.0a Default Scenario Value	GTE FOB 5.0a Input Value	Notes
Trench Per Ft - 0	B197	1.90	1.90	Default
Trench Per Ft - 5	B197	1.90	1.90	Default
Trench Per Ft - 100	B197	1.90	1.90	Default
Trench Per Ft - 200	B197	1.90	1.90	Default
Trench Per Ft - 650	B197	1.95	1.95	Default
Trench Per Ft - 850	B197	2.15	2.15	Default
Trench Per Ft - 2550	B197	2.15	2.15	Default
Trench Per Ft - 5000	B197	6.00	6.00	Default
Trench Per Ft - 10000	B197	6.00	6.00	Default
Backhoe Trench Fraction - 0	B197	0.45	0.45	Default
Backhoe Trench Fraction - 5	B197	0.45	0.45	Default
Backhoe Trench Fraction - 100	B197	0.45	0.45	Default
Backhoe Trench Fraction - 200	B197	0.45	0.45	Default
Backhoe Trench Fraction - 650	B197	0.45	0.45	Default
Backhoe Trench Fraction - 850	B197	0.45	0.45	Default
Backhoe Trench Fraction - 2550	B197	0.55	0.55	Default
Backhoe Trench Fraction - 5000	B197	0.67	0.67	Default
Backhoe Trench Fraction - 10000	B197	0.72	0.72	Default
Backhoe Trench Per Ft - 0	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 5	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 100	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 200	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 650	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 850	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 2550	B197	3.00	3.00	Default
Backhoe Trench Per Ft - 5000	B197	20.00	20.00	Default
Backhoe Trench Per Ft - 10000	B197	30.00	30.00	Default
Hand Trench Fraction - 0	B197	0.01	0.01	Default
Hand Trench Fraction - 5	B197	0.01	0.01	Default
Hand Trench Fraction - 100	B197	0.01	0.01	Default
Hand Trench Fraction - 200	B197	0.03	0.03	Default
Hand Trench Fraction - 650	B197	0.03	0.03	Default
Hand Trench Fraction - 850	B197	0.05	0.05	Default
Hand Trench Fraction - 2550	B197	0.10	0.10	Default
Hand Trench Fraction - 5000	B197	0.10	0.10	Default
Hand Trench Fraction - 10000	B197	0.12	0.12	Default
Hand Trench Per Ft - 0	B197	5.00	5.00	Default
Hand Trench Per Ft - 5	B197	5.00	5.00	Default
Hand Trench Per Ft - 100	B197	5.00	5.00	Default
Hand Trench Per Ft - 200	B197	5.00	5.00	Default
Hand Trench Per Ft - 650	B197	5.00	5.00	Default
Hand Trench Per Ft - 850	B197	5.00	5.00	Default
Hand Trench Per Ft - 2550	B197	5.00	5.00	Default
Hand Trench Per Ft - 5000	B197	10.00	10.00	Default
Hand Trench Per Ft - 10000	B197	18.00	18.00	Default
Cut/Restore Asphalt Fraction - 0	B198	0.55	0.55	Default

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GTE Hatfield 5.0a Florida Input Worksheet

Undeveloped Excavation Restoration	MM & Pw Input Value	MM & Pw Default Value	GTE MM Alfa Input Value	Notes
Cd/Restore Asphalt Fraction - .5	0.198	0.65	0.55	Default
Cd/Restore Asphalt Fraction - 100	0.198	0.55	0.55	Default
Cd/Restore Asphalt Fraction - 200	0.198	0.55	0.65	Default
Cd/Restore Asphalt Fraction - 600	0.198	0.70	0.70	Default
Cd/Restore Asphalt Fraction - 650	0.198	0.75	0.75	Default
Cd/Restore Asphalt Fraction - 2550	0.198	0.75	0.75	Default
Cd/Restore Asphalt Fraction - 5000	0.198	0.80	0.80	Default
Cd/Restore Asphalt Fraction - 10000	0.198	0.82	0.82	Default
Cd/Restore Asphalt Pw Fr - 0	0.198	0.65	0.00	Default
Cd/Restore Asphalt Pw Fr - 5	0.198	0.65	0.00	Default
Cd/Restore Asphalt Pw Fr - 100	0.198	0.90	0.00	Default
Cd/Restore Asphalt Pw Fr - 200	0.198	0.60	0.00	Default
Cd/Restore Asphalt Pw Fr - 650	0.198	0.60	0.00	Default
Cd/Restore Asphalt Pw Fr - 850	0.198	0.60	0.00	Default
Cd/Restore Asphalt Pw Fr - 2550	0.198	0.60	0.00	Default
Cd/Restore Asphalt Pw Fr - 5000	0.198	0.60	0.00	Default
Cd/Restore Asphalt Pw Fr - 10000	0.198	0.60	0.00	Default
Cd/Restore Concrete Fraction - 0	0.198	0.10	0.10	Default
Cd/Restore Concrete Fraction - 5	0.198	0.10	0.10	Default
Cd/Restore Concrete Fraction - 100	0.198	0.10	0.10	Default
Cd/Restore Concrete Fraction - 200	0.198	0.10	0.10	Default
Cd/Restore Concrete Fraction - 650	0.198	0.10	0.10	Default
Cd/Restore Concrete Fraction - 850	0.198	0.10	0.10	Default
Cd/Restore Concrete Fraction - 2550	0.198	0.15	0.15	Default
Cd/Restore Concrete Fraction - 5000	0.198	0.15	0.15	Default
Cd/Restore Concrete Fraction - 10000	0.198	0.15	0.15	Default
Cd/Restore Concrete Pw Fr - 0	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 5	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 100	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 200	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 650	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 850	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 2550	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 5000	0.198	0.00	0.00	Default
Cd/Restore Concrete Pw Fr - 10000	0.198	0.00	0.00	Default
Cd/Restore Sed Fraction - 0	0.198	0.01	0.01	Default
Cd/Restore Sed Fraction - 5	0.198	0.01	0.01	Default
Cd/Restore Sed Fraction - 100	0.198	0.01	0.01	Default
Cd/Restore Sed Fraction - 200	0.198	0.03	0.03	Default
Cd/Restore Sed Fraction - 650	0.198	0.04	0.04	Default
Cd/Restore Sed Fraction - 850	0.198	0.05	0.05	Default
Cd/Restore Sed Fraction - 2550	0.198	0.04	0.04	Default
Cd/Restore Sed Fraction - 5000	0.198	0.02	0.02	Default
Cd/Restore Sed Fraction - 10000	0.198	0.00	0.00	Default
Cd/Restore Soil Pw Fr - 0	0.198	1.00	1.00	Default
Cd/Restore Soil Pw Fr - 5	0.198	1.00	1.00	Default

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GTE Hatfield 5.0a Florida Input Worksheet

Underground Excavation Resistance	Hill & Co Input Value	Hill 5.0a Output Scenario Value	GTE 1.0a Input Value

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GTE Hatfield 5.0a Florida Input Worksheet

Underground Excavation Factorization	Factor	HTL & Pn Depth Borehole Input	OTS HTL & Pn Input Value	Notes

Hatfield Model Release 5.0a  
Master 5.0a

GTE Hatfield 5.0a Florida Input Worksheet

Buried Encapsulation/Retention	HRR E-04 Default Nominal Value	HRR E-04 Default Ratio Value	GTR/HRR Ratio Value	Note #
Flow Fraction - 0	B119	0.00	0.00	Default
Flow Fraction - 5	B119	0.00	0.00	Default
Flow Fraction - 100	B119	0.00	0.00	Default
Flow Fraction - 200	B119	0.00	0.00	Default
Flow Fraction - 650	B119	0.00	0.00	Default
Flow Fraction - 850	B119	0.00	0.00	Default
Flow Fraction - 2550	B119	0.00	0.00	Default
Flow Fraction - 5000	B119	0.00	0.00	Default
Flow Fraction - 10000	B119	0.00	0.00	Default
Flow Pier Fr - 0	B119	0.00	0.00	Default
Flow Pier Fr - 5	B119	0.00	0.00	Default
Flow Pier Fr - 100	B119	0.00	0.00	Default
Flow Pier Fr - 200	B119	0.00	0.00	Default
Flow Pier Fr - 650	B119	0.00	0.00	Default
Flow Pier Fr - 850	B119	0.00	0.00	Default
Flow Pier Fr - 2550	B119	0.00	0.00	Default
Flow Pier Fr - 5000	B119	0.00	0.00	Default
Flow Pier Fr - 10000	B119	0.00	0.00	Default
French Pier Fr - 0	B119	1.00	1.00	Default
French Pier Fr - 5	B119	1.00	1.00	Default
French Pier Fr - 100	B119	1.00	1.00	Default
French Pier Fr - 200	B119	1.00	1.00	Default
French Pier Fr - 650	B119	1.00	1.00	Default
French Pier Fr - 850	B119	1.00	1.00	Default
French Pier Fr - 2550	B119	1.00	1.00	Default
French Pier Fr - 5000	B119	1.00	1.00	Default
French Pier Fr - 10000	B119	1.00	1.00	Default
Backhoe Trench Fraction - 0	B119	0.10	0.10	Default
Backhoe Trench Fraction - 5	B119	0.10	0.10	Default
Backhoe Trench Fraction - 100	B119	0.10	0.10	Default
Backhoe Trench Fraction - 200	B119	0.10	0.10	Default
Backhoe Trench Fraction - 650	B119	0.10	0.10	Default
Backhoe Trench Fraction - 850	B119	0.10	0.10	Default
Backhoe Trench Fraction - 2550	B119	0.10	0.10	Default
Backhoe Trench Fraction - 5000	B119	0.10	0.10	Default
Backhoe Trench Fraction - 10000	B119	0.10	0.10	Default
Backhoe Trench Pier Fr - 0	B119	0.25	0.25	Default
Backhoe Trench Pier Fr - 5	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 100	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 200	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 650	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 850	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 2550	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 5000	B119	0.00	0.00	Default
Backhoe Trench Pier Fr - 10000	B119	0.00	0.00	Default
Hand French Fraction - 0	B119	0.00	0.00	Default

## Hatfield Model Release 5.0a

## GTE Hatfield 5.0a Florida Input Worksheet

Master 5.0a

	1000 ft. Total ft.	Hill Cdr Default Values	575 ft. Hill Input Values	Base
Hand Trench Factor - 5	0.199	0.00	0.00	Default
Hand Trench Factor - 100	0.199	0.00	0.00	Default
Hand Trench Factor - 200	0.199	0.01	0.01	Default
Hand Trench Factor - 650	0.199	0.02	0.02	Default
Hand Trench Factor - 850	0.199	0.04	0.04	Default
Hand Trench Factor - 2550	0.199	0.06	0.06	Default
Hand Trench Factor - 5000	0.199	0.08	0.08	Default
Hand Trench Factor - 10000	0.199	0.10	0.10	Default
Hand Trench Pct Ft - 0	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 5	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 100	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 200	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 650	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 850	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 2550	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 5000	0.199	0.00	0.00	Default
Hand Trench Pct Ft - 10000	0.199	0.00	0.00	Default
Bores Cable Fraction - 0	0.199	0.00	0.00	Default
Bores Cable Fraction - 5	0.199	0.00	0.00	Default
Bores Cable Fraction - 100	0.199	0.00	0.00	Default
Bores Cable Fraction - 200	0.199	0.00	0.00	Default
Bores Cable Fraction - 650	0.199	0.00	0.00	Default
Bores Cable Fraction - 850	0.199	0.00	0.00	Default
Bores Cable Fraction - 2550	0.199	0.00	0.00	Default
Bores Cable Fraction - 5000	0.199	0.00	0.00	Default
Bores Cable Fraction - 10000	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 0	0.199	10.00	18.00	Default
Bores Cable Pct Ft - 5	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 100	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 200	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 650	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 850	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 2550	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 5000	0.199	0.00	0.00	Default
Bores Cable Pct Ft - 10000	0.199	0.00	0.00	Default
Push Pipe/Pull Cable Fraction - 0	0.199	0.00	0.00	Default
Push Pipe/Pull Cable Fraction - 5	0.199	0.02	0.02	Default
Push Pipe/Pull Cable Fraction - 100	0.199	0.02	0.02	Default
Push Pipe/Pull Cable Fraction - 200	0.199	0.02	0.02	Default
Push Pipe/Pull Cable Fraction - 650	0.199	0.02	0.02	Default
Push Pipe/Pull Cable Fraction - 850	0.199	0.04	0.04	Default
Push Pipe/Pull Cable Fraction - 2550	0.199	0.05	0.05	Default
Push Pipe/Pull Cable Fraction - 5000	0.199	0.06	0.06	Default
Push Pipe/Pull Cable Pct Ft - 0	0.199	0.00	0.00	Default
Push Pipe/Pull Cable Pct Ft - 5	0.199	0.00	0.00	Default

Hatfield Model Release 5.0a  
Master 5.0a

GTE Hatfield 5.0a Florida Input Worksheet

Parameter	Input #	Hill 6.0a Default Scenario Value	GTE Hill 6.0a Input Value	Notes
Buried Excavation Restoration				
Cut/Restore Sod Fraction - 100	B2100	0.02	0.02	Default
Cut/Restore Sod Fraction - 500	B2100	0.02	0.02	Default
Cut/Restore Sod Fraction - 650	B2100	0.02	0.02	Default
Cut/Restore Sod Fraction - 650	B2100	0.04	0.04	Default
Cut/Restore Sod Fraction - 2500	B2100	0.36	0.36	Default
Cut/Restore Sod Fraction - 5000	B2100	0.11	0.11	Default
Cut/Restore Sod Fraction -10000	B2100	0.02	0.02	Default
Cut/Restore Sod Pier Ft - 0	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 5	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 100	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 200	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 650	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 850	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 2500	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft - 5000	B2100	1.00	1.00	Default
Cut/Restore Sod Pier Ft -10000	B2100	1.00	1.00	Default
Restoration Nut Required - 0	B2100	0.52	0.52	Default
Restoration Nut Required - 5	B2100	0.67	0.67	Default
Restoration Nut Required - 100	B2100	0.82	0.82	Default
Restoration Nut Required - 200	B2100	0.52	0.52	Default
Restoration Nut Required - 650	B2100	0.37	0.37	Default
Restoration Nut Required - 850	B2100	0.27	0.27	Default
Restoration Nut Required - 2500	B2100	0.09	0.09	Default
Restoration Nut Required - 5000	B2100	0.11	0.11	Default
Restoration Nut Required -10000	B2100	0.11	0.11	Default
Simple Backfill - 0	B2200	0.15	0.15	Default
Simple Backfill - 5	B2200	0.15	0.15	Default
Simple Backfill - 100	B2200	0.15	0.15	Default
Simple Backfill - 200	B2200	0.15	0.15	Default
Simple Backfill - 650	B2200	0.15	0.15	Default
Simple Backfill - 850	B2200	0.15	0.15	Default
Simple Backfill - 2500	B2200	0.15	0.15	Default
Simple Backfill - 5000	B2200	0.15	0.15	Default
Simple Backfill - 10000	B2200	0.15	0.15	Default

Hatfield Model Release 5.0a

Master 5.0a

GTE Hatfield 5.0a Florida Input Worksheet

Buried Excavation Generation		Hill 5.0a Input	Hill 5.0a Output Values	GTE Hatfield Output Values
				None

Hatfield Model Release 5.0a  
Master 5.0a

GTE Hatfield 5.0a Florida Input Worksheet

Surface Texture Table		Hot & Dry Index #	Humid Index #	GTE Index Value	GTE Index Value	Notes
BY	Bouldery	B201	1	1	10	Default
BY-COS	Bouldery Coarse Sand	B201	1	1	10	Default
BY-FSL	Bouldery & Fine Sandy Loam	B201	1	1	10	Default
BY-L	Bouldery & Loam	B201	1	1	10	Default
BY-L5	Bouldery & Sandy Loam	B201	1	1	10	Default
BY-SCL	Bouldery & Silty Clay Loam	B201	1	1	10	Default
BY-SL	Bouldery & Sandy Loam	B201	1	1	10	Default
BYV	Very Bouldery	B201	1	1	11	Default
BYV-FSL	Very Bouldery & Fine Sandy Loam	B201	1	1	11	Default
BYV-L	Very Bouldery & Loam	B201	1	1	11	Default
BYV-SCL	Very Bouldery & Sandy Loam	B201	1	1	11	Default
BYV-SL	Very Bouldery & Silty Clay Loam	B201	1	1	11	Default
BYX	Extremely Bouldery	B201	1	1	13	Default
BYX-FSL	Extremely Bouldery & Fine Sandy Loam	B201	1	1	13	Default
BYX-L	Extremely Bouldery & Loam	B201	1	1	13	Default
BYX-SIL	Extremely Bouldery & Silty Clay Loam	B201	1	1	13	Default
C	Clay	B201	1	1	10	Default
CB	Cobbly	B201	1	1	10	Default
CBC	Cobbly & Clay	B201	1	1	10	Default
CB-CL	Cobbly & Clay Loam	B201	1	1	10	Default
CB-COSL	Cobbly & Coarse Sandy Loam	B201	1	1	10	Default
CB-FS	Cobbly & Fine Sand	B201	1	1	11	Default
CB-FSL	Cobbly & Fine Sandy Loam	B201	1	1	11	Default
CBL	Cobbly & Loamy	B201	1	1	10	Default
CB-LCOS	Cobbly & Loamy coarse Sand	B201	1	1	10	Default
CB-LS	Cobbly & Loamy Sand	B201	1	1	10	Default
CB-S	Cobbly & Sand	B201	1	1	11	Default
CB-SCL	Cobbly & Sandy Clay Loam	B201	1	1	10	Default
CB-SIL	Cobbly & Silty Clay Loam	B201	1	1	10	Default
CB-SL	Cobbly & Sandy Loam	B201	1	1	11	Default
CBA	Angular Cobbly	B201	1	1	10	Default
CBA-JL	Angular Cobbly & Fine Sandy Loam	B201	1	1	11	Default
CBV	Very Cobbly	B201	1	2	12	Default
CBV-C	Very Cobbly & Clay	B201	1	2	12	Default
CBV-CL	Very Cobbly & Clay Loam	B201	1	2	12	Default
CBV-FSL	Very Cobbly & Fine Sandy Loam	B201	1	2	12	Default
CBV-L	Very Cobbly & Loamy	B201	1	2	12	Default
CBV-LFS	Very Cobbly & Fine Loamy Sand	B201	1	2	12	Default
CBV-LS	Very Cobbly & Loamy Sand	B201	1	2	12	Default
CBV-MUCK	Very Cobbly & Muck	B201	1	2	12	Default
CBV-SCL	Very Cobbly & Sandy Clay Loam	B201	1	2	12	Default
CBV-SL	Very Cobbly & Silty Clay Loam	B201	1	2	12	Default
CBV-SL	Very Cobbly & Sandy Loam	B201	1	2	12	Default

Hatfield Model Release 5.0a  
Master 5.0a

GTE Hatfield 5.0a Florida Input Worksheet

Surface Texture Type	HM & Soil Input #	Stack	Location of CCR3	CCR3 Default Soil Value	CCR3 Non Soil Value	Rating
CBV-VFS	Very Cobbley & Very Fine Sand	B201	1.2	1	1.2	Default
CBX	Extremely Cobbley	B201	1.2	1	1.2	Default
CBX-CL	Extremely Cobbley & Clay	B201	1.2	1	1.2	Default
CBX-L	Extremely Cobbley & Loam	B201	1.2	1	1.2	Default
CBX-SL	Extremely Cobbley & Silty	B201	1.2	1	1.2	Default
CBX-VFSL	Extremely Cobbley Very Fine Sandy Loam	B201	1.3	1	1.4	Default
CE	Coprogenous Earth	B201	1	1	1.0	Default
CHO	Cinders	B201	1	1	1.0	Default
CL	Clay Loam	B201	1	1	1.0	Default
CM	Camerized	B201	1.3	1	1.3	Default
CN	Charnery	B201	1	1	1.0	Default
CN-CL	Charnery & Clay Loam	B201	1	1	1.0	Default
CN-FSL	Charnery & Fine Sandy Loam	B201	1.1	1	1.1	Default
CN-L	Charnery & Loam	B201	1	1	1.0	Default
CN-SCL	Charnery & Silty Clay Loam	B201	1	1	1.0	Default
CN-SL	Charnery & Silty Loam	B201	1	1	1.0	Default
CN-SIL	Charnery & Sandy Loam	B201	1	1	1.0	Default
CNV	Very Charnery	B201	1	1	1.0	Default
CNV-CL	Very Charnery & Clay	B201	1	1	1.0	Default
CNV-L	Very Charnery & Loam	B201	1	1	1.0	Default
CNV-SCL	Very Charnery & Silty Clay Loam	B201	1	1	1.0	Default
CNV-SIL	Very Charnery & Silty Loam	B201	1	1	1.0	Default
CNV-SL	Very Charnery & Sandy Loam	B201	1	1	1.0	Default
CNK	Extremely Charnery	B201	1	1	1.0	Default
CHU-SL	Extremely Charnery & Sandy Loam	B201	1	1	1.0	Default
COOS	Coarse Sand	B201	1	1	1.0	Default
COSL	Coarse Sandy Loam	B201	1	1	1.0	Default
CR	Charcy	B201	1.2	1	1.2	Default
CR-L	Charcy & Loam	B201	1.2	1	1.2	Default
CR-SCL	Charcy & Silty Clay Loam	B201	1.2	1	1.2	Default
CR-SL	Charcy & Silty Loam	B201	1.2	1	1.2	Default
CR-SIL	Charcy & Sandy Loam	B201	1.2	1	1.2	Default
CRC	Coarse Charcy	B201	1.2	1	1.2	Default
CRV	Very Charcy	B201	1.2	1	1.2	Default
CRVL	Very Charcy & Loam	B201	1.2	1	1.2	Default
CRV-SIL	Very Charcy & Silty Loam	B201	1.2	1	1.2	Default
CRX	Extremely Charcy	B201	1.3	1	1.3	Default
CRX-SIL	Extremely Charcy & Silty Loam	B201	1.3	1	1.3	Default
DE	Dishomogeneous Earth	B201	1	1	1.0	Default
FB	Fabric Material	B201	1	1	1.0	Default
FINE	Fine	B201	1	1	1.0	Default
FL	Floody	B201	1	1	1.0	Default
FL-FSL	Floody & Fine Sandy Loam	B201	1.1	1	1.1	Default
FL-L	Floody & Loam	B201	1	1	1.0	Default
FL-SCL	Floody & Silty Clay	B201	1	1	1.0	Default

Hatfield Model Release 5.0a  
Master 5 0a

GTE Hatfield 5 0a Florida Input Worksheet

Surface Texture Table	Description	Site No. Input #	Effect of DSS	GTE Effect Input Value	Notes
GRV-SCL	Very Gravelly & Sandy Clay Loam	B201	-1	-1	1.0 Default
GRV-SCL	Very Gravelly & Silty Clay Loam	B201	-1	-1	1.0 Default
GRV-SL	Very Gravelly & Silty	B201	-1	-1	1.0 Default
GRV-SL	Very Gravelly & Sandy Loam	B201	-1	-1	1.0 Default
GRV-VFS	Very Gravelly & Very Fine Sand	B201	-1	-1	1.0 Default
GRV-VFS	Very Gravelly & Very Fine Sandy Loam	B201	-1	-1	1.0 Default
GRX	Extremely Gravelly	B201	-1	-1	1.1 Default
GRX-CL	Extremely Gravelly & Coarse Loam	B201	-1	-1	1.1 Default
GRX-COS	Extremely Gravelly & Coarse Sand	B201	-1	-1	1.1 Default
GRX-COSL	Extremely Gravelly & Coarse Sandy Loam	B201	-1	-1	1.1 Default
GRX-FSL	Extremely Gravelly & Fine Sand	B201	-1	-1	1.1 Default
GRX-L	Extremely Gravelly & Loamy	B201	-1	-1	1.1 Default
GRX-LCOS	Extremely Gravelly & Loamy Coarse	B201	-1	-1	1.1 Default
GRX-LS	Extremely Gravelly & Loamy Sand	B201	-1	-1	1.1 Default
GRX-S	Extremely Gravelly & Sand	B201	-1	-1	1.1 Default
GRX-SIL	Extremely Gravelly & Silty Loam	B201	-1	-1	1.1 Default
GRX-SL	Extremely Gravelly & Silty Loam	B201	-1	-1	1.1 Default
GYP	Cryptogenous Material	B201	-1	-1	1.2 Default
HAL	Harmic Material	B201	-1	-1	1.0 Default
ICE	Ice or Frozen Soil	B201	-1	-1	1.5 Default
IND	Indurated	B201	-1.2	-1	1.2 Default
L	Loam	B201	-1	-1	1.0 Default
LOOS	Loamy Coarse Sand	B201	-1	-1	1.0 Default
LFS	Loamy Fine Sand	B201	-1	-1	1.1 Default
LS	Loamy Sand	B201	-1	-1	1.0 Default
LVFS	Loamy Very Fine Sand	B201	-1	-1	1.0 Default
MARL	Marl	B201	-1	-1	1.0 Default
MEDUM	Medium Course	B201	-1	-1	1.0 Default
MUR	Mucky	B201	-1	-1	1.0 Default
MUR-C	Mucky Clay	B201	-1	-1	1.0 Default
MUR-CL	Mucky Clay Loam	B201	-1	-1	1.0 Default
MUR-FS	Mucky & Fine Sand	B201	-1	-1	1.0 Default
MUR-FSL	Mucky & Fine Sandy Loam	B201	-1	-1	1.0 Default
MUR-L	Mucky Loam	B201	-1	-1	1.0 Default
MUR-LFS	Mucky Loamy Fine Sand	B201	-1	-1	1.0 Default
MUR-LS	Mucky Loamy Sand	B201	-1	-1	1.0 Default
MUR-S	Mucky & Sand	B201	-1	-1	1.0 Default
MUR-SI	Mucky & Silty	B201	-1	-1	1.0 Default
MUR-SCL	Mucky & Silty Clay Loam	B201	-1	-1	1.0 Default
MUR-SIL	Mucky Silty	B201	-1	-1	1.0 Default
MUR-SL	Mucky & Sandy Loam	B201	-1	-1	1.0 Default
MUR-VFS	Mucky & Very Fine Sandy Loam	B201	-1	-1	1.0 Default
MAPT	Mucky Peat	B201	-1	-1	1.0 Default
MUCK	Muck	B201	-1	-1	1.0 Default
PEAT	Peat	B201	-1	-1	1.0 Default

## Hatfield Model Release 5.0a

## GTE Hatfield 5.0a Florida Input Worksheet

Master 5.0a

Surface Texture Table	PT	HRI & Co Index #	Effect of CBR	Infiltration Rate CBR	GTE Slope Rate Input Value	GTE Slope Rate Input Value	Notes
RB	Pokey	B201	1	1	10	Default	
RB-FSL	Rubby	B201	1.5	1	15	Default	
S	Rubby Fine Sandy Loam	B201	1.5	1	15	Default	
SC	Sand	B201	1	1	10	Default	
SC-L	Sandy Clay	B201	1	1	10	Default	
SG	Sandy Clay Loam	B201	1	1	10	Default	
SH	Sand & Gravel	B201	1	1	10	Default	
SH	Shaly	B201	1	1	10	Default	
SH-CL	Shaly & Clay	B201	1	1	10	Default	
SH-L	Shale & Loam	B201	1	1	10	Default	
SH-SCL	Shaly & Silty Clay Loam	B201	1	1	10	Default	
SH-SL	Shaly & Sil Loam	B201	1	1	10	Default	
SHY	Very Shaly	B201	1.5	1	15	Default	
SHV-CL	Very Shaly & Clay Loam	B201	1.5	1	15	Default	
SHX	Extremely Shaly	B201	2	1	20	Default	
SI	Sil	B201	1	1	10	Default	
SI-C	Sil Clay	B201	1	1	10	Default	
SI-CL	Sil Clay Loam	B201	1	1	10	Default	
SIL	Sil Loam	B201	1	1	10	Default	
SL	Sandy Loam	B201	1	1	10	Default	
SP	Sapric Material	B201	1	1	10	Default	
SR	Stratified	B201	1	1	10	Default	
ST	Story	B201	1	1	10	Default	
ST-C	Story & Clay	B201	1	1	10	Default	
ST-CL	Story & Clay Loam	B201	1	1	10	Default	
ST-COB	Story & Coarse Sandy Loam	B201	1	1	10	Default	
ST-FSL	Story & Fine Sandy Loam	B201	1.5	1	11	Default	
ST-L	Story & Loamy	B201	1	1	10	Default	
ST-LOOS	Story & Loamy Coarse Sand	B201	1	1	10	Default	
ST-LFS	Story & Loamy Fine Sand	B201	1.5	1	11	Default	
ST-LS	Story & Loamy Sand	B201	1	1	10	Default	
ST-SIC	Story & Silty Clay Loam	B201	1	1	10	Default	
ST-SCL	Story & Silty Clay Loam	B201	1	1	10	Default	
ST-SL	Story & Sil Loam	B201	1	1	10	Default	
ST-VFSL	Story & Sandy Very Fine Sandy Loam	B201	1	1	11	Default	
STV	Very Silty	B201	1.2	1	12	Default	
STV-C	Very Story & Clay	B201	1.2	1	12	Default	
STV-CL	Very Story & Clay Loam	B201	1.2	1	12	Default	
STV-FSL	Very Story & Fine Sandy Loam	B201	1.2	1	12	Default	
STV-L	Very Story & Loamy	B201	1.2	1	12	Default	
STV-LFS	Very Story & Loamy Fine Sand	B201	1.2	1	12	Default	
STV-LS	Very Story & Loamy Sand	B201	1.2	1	12	Default	
STV-MFT	Very Story & Mucky Peat	B201	1.2	1	12	Default	
STV-MUCK	Very Story & Muck	B201	1.2	1	12	Default	
STV-SCL	Very Story & Silty Clay Loam	B201	1.2	1	12	Default	

## Hatfield Model Release 5.0a

## GTE Hatfield 5.0a Florida Input Worksheet

## Master 5.0a

Labor Adjustment Factors	NAE & GTE Default Value	GTE & Default Value	GTE & Default Value
Regional Labor Adjustment F factor	B15	1	1
Contractor excavation and transportation	B15a	0.125	0.125
Tanker construction - copper	B15a	0.164	0.164
Tanker construction - fiber	B15a	0.364	0.364
Tanker dredge/HD installation and maintenance	B15a	0.571	0.571
Contractor pile setting	B15a	0.519	0.519

(FILE NAME: FLCCHANGE.XLS)

BCPM COMPARISON TO DEFAULT VALUES

ATTACHMENT B

BCCM 3.1 Florida Filing - May 19, 1998  
 Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
Loop Cost Inputs	Copper Blended 26 Gauge	\$ 33.16	\$ 19.44	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 4200	\$ 30.20	\$ 17.71	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 3600	\$ 29.19	\$ 17.11	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 3000	\$ 26.79	\$ 15.71	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 2400	\$ 22.60	\$ 13.25	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 2100	\$ 20.46	\$ 12.00	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 1800	\$ 13.20	\$ 8.49	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 1200	\$ 10.70	\$ 6.73	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 900	\$ 7.27	\$ 4.60	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 600	\$ 5.67	\$ 3.46	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 400	\$ 4.38	\$ 2.94	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 300	\$ 3.49	\$ 2.27	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 200	\$ 2.52	\$ 1.59	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 100	\$ 2.16	\$ 1.28	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 50	\$ 1.93	\$ 1.11	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 18	\$ 1.93	\$ 1.11	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 12	\$ 1.93	\$ 1.11	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Copper Underground 26 Gauge	\$ 35.60	\$ 25.84	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 4200	\$ 33.30	\$ 24.17	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 3600	\$ 28.21	\$ 20.48	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 3000	\$ 21.50	\$ 16.66	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 2400	\$ 19.49	\$ 14.58	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 2100	\$ 17.38	\$ 12.24	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 1800	\$ 11.95	\$ 8.47	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 1200	\$ 9.98	\$ 6.60	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 900	\$ 7.52	\$ 4.72	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 600	\$ 6.55	\$ 3.39	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 400	\$ 4.42	\$ 2.67	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 300	\$ 3.60	\$ 2.20	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 200	\$ 2.65	\$ 1.52	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 100	\$ 1.19	\$ 1.21	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 50	\$ 1.00	\$ 1.04	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 25	\$ 1.00	\$ 1.04	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 18	\$ 1.00	\$ 1.04	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 12	\$ 1.00	\$ 1.04	GTE Florida specific costs based on 1996 data

## Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
Loop Cost Inputs	Fiber Aerial			
Loop Cost Inputs	Pairs 288	\$ 12.02	\$ 8.75	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 144	\$ 9.85	\$ 7.17	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 96	\$ 7.19	\$ 4.74	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 72	\$ 6.75	\$ 3.92	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 60	\$ 6.02	\$ 3.41	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 48	\$ 5.27	\$ 3.02	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 36	\$ 4.67	\$ 2.54	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 24	\$ 3.45	\$ 2.14	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 18	\$ 3.26	\$ 2.02	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 12	\$ 3.04	\$ 1.59	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Fiber Buried			
Loop Cost Inputs	Pairs 288	\$ 12.79	\$ 9.10	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 144	\$ 9.96	\$ 7.08	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 96	\$ 7.43	\$ 4.85	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 72	\$ 6.00	\$ 3.84	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 60	\$ 5.17	\$ 3.34	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 48	\$ 4.95	\$ 2.97	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 36	\$ 4.01	\$ 2.48	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 24	\$ 3.93	\$ 2.00	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 18	\$ 3.25	\$ 1.73	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 12	\$ 2.75	\$ 1.46	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Fiber Underground			
Loop Cost Inputs	Pairs 288	\$ 11.50	\$ 7.78	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 144	\$ 10.30	\$ 6.96	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 96	\$ 7.40	\$ 4.73	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 72	\$ 6.25	\$ 3.72	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 60	\$ 5.50	\$ 3.22	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 48	\$ 4.75	\$ 2.65	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 36	\$ 4.15	\$ 2.36	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 24	\$ 3.75	\$ 1.88	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 18	\$ 3.48	\$ 1.51	GTE Florida specific costs based on 1996 data
Loop Cost Inputs	Pairs 12	\$ 3.09	\$ 1.34	GTE Florida specific costs based on 1996 data

Category / Input Sheet	Input Item	BCPM 3.1		Company Specific Inputs	Source/Notes
		Default			
Loop Cost Inputs	Outdoor SA1/Cross Connector				
Loop Cost Inputs	Pairs 25	\$ 407.00	\$ 478.06	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 50	\$ 407.00	\$ 639.85	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 100	\$ 1,885.00	\$ 983.21	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 200	\$ 2,120.00	\$ 1,105.78	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 300	\$ 2,355.00	\$ 1,228.38	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 400	\$ 2,590.00	\$ 1,648.59	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 600	\$ 5,509.00	\$ 2,419.40	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 900	\$ 6,848.00	\$ 3,166.32	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 1200	\$ 7,586.00	\$ 4,134.48	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 1800	\$ 8,717.00	\$ 4,750.90	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 2100	\$ 11,490.00	\$ 6,301.59	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 2400	\$ 11,490.00	\$ 6,301.59	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 3000	\$ 11,713.00	\$ 6,423.89	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 3600	\$ 14,055.60	\$ 7,708.67	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	Pairs 4200	\$ 16,398.20	\$ 8,993.45	GTE Florida specific costs based on 1996 data	
Loop Cost Inputs	24 Gauge Cable - Underground Copper				
Loop Cost Inputs	Pairs 4200	\$ 46.48	\$ 33.77	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 3600	\$ 42.91	\$ 31.18	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 3000	\$ 39.33	\$ 28.58	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 2400	\$ 29.97	\$ 21.78	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 2100	\$ 27.09	\$ 19.68	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 1800	\$ 24.27	\$ 17.07	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 1200	\$ 16.72	\$ 11.82	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 900	\$ 13.82	\$ 9.48	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 600	\$ 9.84	\$ 6.62	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 400	\$ 7.89	\$ 4.07	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 300	\$ 5.26	\$ 3.32	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 200	\$ 4.22	\$ 2.52	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 100	\$ 2.92	\$ 1.69	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 50	\$ 2.16	\$ 1.30	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 25	\$ 1.39	\$ 1.05	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 18	\$ 1.39	\$ 1.05	GTE Florida specific costs based on 1997 data	
Loop Cost Inputs	Pairs 12	\$ 1.39	\$ 1.05	GTE Florida specific costs based on 1997 data	

Category / Input Sheet	Input Item	Default	Specific Inputs
Structure Inputs Sheet	Feeder Conduit (Normal, Soft Rock, Hard Rock)		
Structure Inputs Sheet	Density = 0-5	100.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 6-100	97.50%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 101-200	95.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 201-650	92.50%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 651-850	90.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 851-2550	90.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 2551-5000	85.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 5001-10000	85.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density >= 10001	85.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Distribution Conduit (Normal, Soft Rock, Hard Rock)		
Structure Inputs Sheet	Density = 0-5	100.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 6-100	95.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 101-200	90.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 201-650	80.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 651-850	80.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 851-2550	80.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 2551-5000	80.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density = 5001-10000	80.00%	97.18% GTE Florida specific
Structure Inputs Sheet	Density >= 10001	80.00%	97.18% GTE Florida specific
Buried Feeder Cable (Normal, Soft Rock, Hard Rock)			
Structure Inputs Sheet	Density = 0-5	100.00%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 6-100	97.50%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 101-200	95.00%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 201-650	92.50%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 651-850	90.00%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 851-2550	90.00%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 2551-5000	85.00%	100.00% GTE Florida specific
Structure Inputs Sheet	Density = 5001-10000	85.00%	100.00% GTE Florida specific
Structure Inputs Sheet	Density >= 10001	85.00%	100.00% GTE Florida specific

\* Note: BCPM Defaults for Flowering and Rocky Flowering activities are assigned 100% to the telco. Defaults for all other activities within the indicated density zone are at the percentage noted.

BCPM 3.1 Florida Filing - May 19, 1998  
 Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
Poles (Normal): Aerial Feeder Cable & Aerial Distribution Cable	Buried Distribution Cable (Normal, Soft Rock, Hard Rock)			
Structure Inputs	Density = 0-5	100.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 6-100 *	95.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 101-200 *	90.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 201-650 *	80.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 651-850 *	80.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 851-2550 *	80.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 2551-5000 *	80.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	Density = 5001-10000 *	80.00%	100.00% GTE Florida specific data	
Structure Inputs Sheet	~Density >= 10001 *	80.00%	100.00% GTE Florida specific data	
* Note: BCPM Defaults for Plowing and Rocky Plowing activities are assigned 100% to the telco. Defaults for all other activities within the indicated density zone are at the percentage noted				
Poles (Soft Rock): Aerial Feeder Cable & Aerial Distribution Cable	Base Cost Installation	\$368.17 \$	300.30 GTE Florida specific costs based on 1996 data	
Structure Inputs	\$358.58 \$	-	GTE Florida specific costs based on 1996 data	
Structure Inputs	50.00%	54.09%	GTE Florida specific data	
Poles (Soft Rock): Aerial Feeder Cable & Aerial Distribution Cable	Base Cost Installation	\$368.17 \$	300.30 GTE Florida specific costs based on 1996 data	
Structure Inputs	458.58 \$	-	GTE Florida specific costs based on 1996 data	
Structure Inputs	50.00%	54.09%	GTE Florida specific data	
Poles (Hard Rock): Aerial Feeder Cable & Aerial Distribution Cable	Base Cost Installation	\$368.17 \$	570.78 GTE Florida specific costs based on 1996 data	
Structure Inputs	558.58 \$	-	GTE Florida specific costs based on 1996 data	
Structure Inputs	50.00%	55.59%	GTE Florida specific data	
Anchors & Guys: Aerial Feeder Cable & Aerial Distribution Cable	Base Cost - Normal Installation - Normal	\$68.00 \$	99.10 GTE Florida specific costs based on 1996 data	
Structure Inputs	\$255.00 \$	-	GTE Florida specific costs based on 1996 data	
Structure Inputs	\$68.00 \$	99.10	GTE Florida specific costs based on 1996 data	
Structure Inputs	\$285.00 \$	-	GTE Florida specific costs based on 1996 data	

## Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
<b>ManHole Sharing Assumptions (% Assigned to Telephone)</b>				
Normal, Soft Rock and Hard Rock (All Density Zones)				
ManHole Inputs	Handhole 3x5 or 4x6	75.00%	97.18% GTE Florida specific data	
ManHole Inputs	Manhole 4x6x7	90.00%	97.18% GTE Florida specific data	
ManHole Inputs	Manhole 12x6x7	80.00%	97.18% GTE Florida specific data	
ManHole Inputs	Adder 12x6x7	80.00%	97.18% GTE Florida specific data	
<b>Spacing Tables: Feeder Spacing Table &amp; Distribution Spacing Table</b>				
Spacing Inputs	Manhole Spacing	5.0' - 725'	750	Supported by GTE Engineering Practices
Spacing Inputs	Pole Spacing	15.0' - 250'	175	Supported by GTE Engineering Practices
Spacing Inputs	Guy Spacing	500' - 1500'	1750	Supported by GTE Engineering Practices
<b>Structure Mix</b>				
Loop Percentage Tables	Distribution Plant (All Normal, Soft Rock).			
	Underground %			
Loop Percent Table Inputs Sheet	Density = 0-5	0.00%	0.15%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 6-100	2.00%	0.15%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 101-200	5.00%	0.39%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 201-650	8.00%	0.76%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 651-850	15.00%	0.54%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 851-2550	25.00%	0.84%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 2551-5000	<0.00%	1.63%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 5001-10000	60.00%	1.63%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density >= 10001	90.00%	1.63%	GTE Florida specific data
	Buried %			
Loop Percent Table Inputs Sheet	Density = 0-5	60.00%	77.32%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 6-100	61.00%	77.32%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 101-200	62.00%	74.88%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 201-650	62.00%	74.89%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 651-850	65.00%	81.23%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 851-2550	65.00%	67.65%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 2551-5000	55.00%	63.74%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density = 5001-10000	35.00%	63.74%	GTE Florida specific data
Loop Percent Table Inputs Sheet	Density >= 10001	10.00%	63.74%	GTE Florida specific data

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
<b>Aerial %</b>				
Loop Percent Table Inputs Sheet	Density = 0-5	40.00%	22.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	37.00%	22.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	33.00%	24.73% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	30.00%	24.35% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	20.00%	18.23% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	10.00%	31.51% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	5.00%	34.63% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	5.00%	34.63% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	0.00%	34.63% GTE Florida specific data	
<b>Distribution Plant Mix (Hard Rock)</b>				
<b>Underground %</b>				
Loop Percent Table Inputs Sheet	Density = 0-5	0.00%	0.15% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	2.00%	0.15% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	5.00%	0.39% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	8.00%	0.76% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	15.00%	0.54% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	18.00%	0.84% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	20.00%	1.63% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	45.00%	1.63% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	90.00%	1.63% GTE Florida specific data	
<b>Buried %</b>				
Loop Percent Table Inputs Sheet	Density = 0-5	50.00%	77.32% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	51.00%	77.32% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	52.00%	74.88% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	52.00%	74.89% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	60.00%	81.23% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	62.00%	67.85% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	65.00%	63.74% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	40.00%	63.74% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	0.00%	63.74% GTE Florida specific data	

## Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
<b>Aerial %</b>				
Loop Percent Table Inputs Sheet	Density = 0-5	40.00%	15.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	40.00%	15.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	40.00%	17.02% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	40.00%	16.75% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	25.00%	10.51% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	10.00%	15.34% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	0.00%	9.01% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	0.00%	9.01% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	0.00%	9.01% GTE Florida specific data	
<b>Copper Plant Mix &amp; Fiber Plant Mix-Loop (Hard Rock)</b>				
<b>Underground %</b>				
Loop Percent Table Inputs Sheet	Density = 0-5	5.00%	4.10% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	10.00%	4.10% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	15.00%	17.70% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	25.00%	24.59% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	35.00%	35.96% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	60.00%	30.67% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	80.00%	53.94% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	85.00%	53.94% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	95.00%	53.94% GTE Florida specific data	
<b>Buried %</b>				
Loop Percent Table Inputs Sheet	Density = 0-5	45.00%	60.37% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	40.00%	60.37% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	35.00%	65.19% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	25.00%	58.66% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	25.00%	53.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	20.00%	53.99% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	10.00%	37.05% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	5.00%	37.05% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	0.00%	37.05% GTE Florida specific data	

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
<i>Aerial %</i>				
Loop Percent Table Inputs Sheet	Density = 0-5	50.00%	15.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	50.00%	15.53% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	50.00%	17.02% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	50.00%	16.75% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	40.00%	10.51% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	20.00%	15.34% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	10.00%	9.01% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	10.00%	9.01% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	5.00%	9.01% GTE Florida specific data	
<i>Fill Factors</i>				
Density Cable Sizing - Feeder:				
Loop Percent Table Inputs Sheet	Density = 0-5	75.00%	79.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 6-100	80.00%	79.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 101-200	80.00%	77.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 201-650	85.00%	66.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 651-850	85.00%	59.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 851-2550	85.00%	64.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 2551-5000	85.00%	50.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density = 5001-10000	85.00%	50.00% GTE Florida specific data	
Loop Percent Table Inputs Sheet	Density >= 10001	85.00%	50.00% GTE Florida specific data	
<i>Transport Inputs</i>				
Transport	Max Nodes	12	8	Supported by GTE Engineering Practices
<i>Trench Depth</i>				
Miscellaneous Inputs Sheet	Normal UG Buried Cover	24.00	30.00	Supported by GTE Engineering Practices
Miscellaneous Inputs Sheet	Normal Fiber Cover	36.00	48.00	Supported by GTE Engineering Practices
<i>Cost of Money</i>				
Miscellaneous Inputs Sheet	Return On Equity	13.12%	14.30%	GTE Florida Forward Looking Cost of Capital
Miscellaneous Inputs Sheet	Debt Rate	7.85%	6.94%	GTE Florida Forward Looking Cost of Capital
Miscellaneous Inputs Sheet	Debt Ratio	32.82%	22.45%	GTE Florida Forward Looking Cost of Capital

BCCM 3.1 Florida Filing - May 19, 1998  
 Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCCM 3.1 Default	Company Specific Inputs	Source/Notes
Expense Inputs Sheet	Support Ratio Table	0.739%	1.002% Based on 1996 GTE Florida ARMS 43-03 Report	
Expense Inputs Sheet	6112 Motor Vehicle	0.001%	0.000% Based on 1996 GTE Florida ARMS 43-03 Report	
Expense Inputs Sheet	6114 Special Purpose Vehicles	0.032%	0.035% Based on 1996 GTE Florida ARMS 43-03 Report	
Expense Inputs Sheet	6115 Garage Work Equipment	0.627%	0.666% Based on 1996 GTE Florida ARMS 43-03 Report	
Expense Inputs Sheet	6116 Other Work Equipment	0.233%	0.275% Based on 1996 GTE Florida ARMS 43-03 Report	
Expense Inputs Sheet	6117 Furniture	0.701%	1.649% Based on 1996 GTE Florida ARMS 43-03 Report	
Expense Inputs Sheet	61213 Office Support	2.965%	2.132% Based on 1996 GTE Florida ARMS 43-03 Report	
Other:				
State Specific Inputs	Special Access Factor	13.00%	9.56% GTE Florida specific data	
Depreciation Lives				
Capital Costs Inputs Sheet	Motor Vehicle	8	8 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Special Purpose Vehicles	10	10 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Garage Work	12	10 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Other Work	14	10 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Building	42.5	30 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Furniture	16	10 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Office Support	11	10 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	General Purpose Computers	5.5	5 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Switching	10	10 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	CircuitDLC	8.5	8 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Pole	30	25 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Aerial Copper	12.5	15 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Aerial Fiber	19	20 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Underground Copper	11.5	15 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Underground Fiber	19	20 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Buried Copper	14	15 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Buried Fiber	19	20 GTE Florida Forward Looking Lives	
Capital Costs Inputs Sheet	Conduit	50	40 GTE Florida Forward Looking Lives	

BCPM 3.1 Florida Filing - May 19, 1998  
 Inputs Changed from Default Values

Category / Input Sheet	Input Item	BCPM 3.1 Default	Company Specific Inputs	Source/Notes
Future Net Salvage (percent)				
Capital Costs Inputs Sheet	Motor Vehicle	10.97%	10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Special Purpose Vehicles	21.69%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Garage Work	2.65%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Other Work	1.48%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Building	2.69%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Furniture	2.57%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Office Support	1.65%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	General Purpose Computers	3.31%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Switching	1.63%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Circuit/DLC	-0.66%	0.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Pole	-69.09%	-50.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Aerial Copper	-17.92%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Aerial Fiber	-21.59%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Underground Copper	-7.60%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Underground Fiber	-16.59%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Buried Copper	-6.29%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Buried Fiber	-12.30%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Capital Costs Inputs Sheet	Conduit	-4.92%	-10.00% GTE Florida Forward Looking Future Net Salvage Values	
Tax Life (years)				
Capital Costs Inputs Sheet	Motor Vechicle	3	5 GTE Florida specific data	
Capital Costs Inputs Sheet	Special Purpose Vechicles	3	5 GTE Florida specific data	
Capital Costs Inputs Sheet	Building	315	30 GTE Florida specific data	

## Manual Inputs

Global Inputs		
SS7_SESS	300,000.00	SS7 Investment - SESS
SS7_DMS	150,000.00	SS7 Investment - DMS
Engineering_Option	D	Default Engineered CCS and Calls per Line
USF_Option	D	Calculation of USF Investment per Line
HB_Mult	2	"Heavy Business" Loading Multiplier
Min_Mult	1.2	Minimum Loading Multiplier
Bus_Pen_Rat	0.3	Business Penetration Ratio
ExcessCCS_Option	L	Include Reserved CCS Investment in Line Port or Usage?
LT_MDF_Prot_USF_Pct	100%	Portion of line protector and MDF attributable to USF
Line_Port_USF_Pct	100%	Portion of Line port attributable to USF
LineCapConstraint	80,000	Line Capacity Constraint
CCSCapConstraint	1,800,000	CCS Capacity Constraint
CallsCapConstraint	600,000	Calls Capacity Constraint
Loc_TDM_Calls	0.98	Direct Routed Fraction of Local Interoffice Traffic
S_Threshold	4000	Small Office Standalone Threshold
H_Threshold	3500	Small Office Host Threshold
R_Threshold	500	Small Office Remote Threshold

## Switching-Global Inputs

SWDiscountFactorTable

	New Discount Rate	Growth Discount Rate	Percent of Lines Now	MDF & Protector Discount
5E Switches	50%	50%	50%	50%
DMS Switches	50%	50%	50%	50%

SWDiscAdjFactorTable

Switch Type:	Processor	MDF & Protector	Line Port	Line CCS	Trunk CCS	SS7
SEH	0.9322	0.6171	0.9301	0.9561	0.9715	0.9931
SER	0.7959	0.6171	0.9483	0.9630	0.9935	NA
DMSH	0.9769	0.6171	0.9905	0.9685	0.9806	0.9782
DMSR	0.9254	0.6171	0.9980	0.9791	NA	NA

Partitioning Percentages for Small Switches

	Processor	Line Port	Line CCS	Trunk CCS	MDF/Prot	SS7
Standalone	31%	23%	33%	6.17E-02	4.58E-02	#####
Host	19%	28%	39%	7.92E-02	5.70E-02	#####
Remote	33%	28%	34%	0%	5.91E-02	0%

Vendor Discounts for Small Switches

	Vendor 1	Vendor 2	Vendor 3
Effective Discount	0.00%	0.00%	0.00%

Investment Parameters for Small Switches

		Vendor 1	Vendor 2	Vendor 3
Standalone	Fixed Investment per Switch	\$ 589,262.60	\$ -	\$ -
	Investment per Line	\$ 42.69	\$ -	\$ -
Host	Fixed Investment per Switch	\$ 589,262.60	\$ -	\$ -
	Investment per Line	\$ 42.69	\$ -	\$ -
Remote	Fixed Investment per Switch	\$ 54,269.76	\$ -	\$ -
	Investment per Line	\$ 144.58	\$ -	\$ -

## SWStateDefaultInputs

	Required	Required	Required	Required	Required	Required	Required
State	ARMIS Percent Local Calls	ARMIS Percent Toll Calls	ARMIS Percent Residence Lines	ARMIS Percent Business Lines	Default EngineeredCa lls/Line	Default EngineeredC CS/Line	Default EngineeredC S/Line
AL	90%	10%	74.68%	25.32%	2.5	3.60	
AK	81%	19%	67.45%	32.55%	2.5	3.60	
AZ	89%	11%	73.23%	26.77%	2.5	3.60	
AR	83%	17%	73.39%	26.61%	2.5	3.60	
CA	73%	27%	63.99%	36.01%	2.5	3.60	
CO	88%	12%	69.72%	30.28%	2.5	3.60	
CT	77%	23%	69.19%	30.81%	2.5	3.60	
DE	84%	16%	65.00%	35.00%	2.5	3.60	
DC	91%	8.91E-02	31.78%	68.22%	2.5	3.60	
FL	84%	16%	71.85%	28.15%	2.5	3.60	
GA	90%	10%	66.54%	33.46%	2.5	3.60	
HI	89%	11%	66.88%	33.12%	2.5	3.60	
ID	82%	18%	73.30%	26.70%	2.5	3.60	
IL	87%	13%	63.72%	36.28%	2.5	3.60	
IN	84%	16%	70.14%	29.86%	2.5	3.60	
IA	84%	16%	75.63%	24.37%	2.5	3.60	
KS	85%	15%	69.98%	30.02%	2.5	3.60	
KY	87%	13%	75.13%	24.87%	2.5	3.60	
LA	93%	7.20E-02	73.45%	26.55%	2.5	3.60	
ME	43%	57%	59.69%	40.31%	2.5	3.60	
MD	88%	12%	64.99%	35.01%	2.5	3.60	
MA	44%	56%	50.96%	49.04%	2.5	3.60	
MI	84%	16%	67.78%	32.22%	2.5	3.60	
MN	90%	9.64E-02	69.09%	30.91%	2.5	3.60	
MS	90%	9.71E-02	74.61%	25.39%	2.5	3.60	
MO	87%	13%	71.49%	28.51%	2.5	3.60	
MT	84%	16%	73.68%	26.32%	2.5	3.60	
NB	85%	15%	71.58%	28.42%	2.5	3.60	
NV	84%	16%	66.53%	33.47%	2.5	3.60	
NH	43%	57%	55.28%	44.72%	2.5	3.60	
NJ	72%	28%	66.28%	33.72%	2.5	3.60	
NM	87%	13%	74.49%	25.51%	2.5	3.60	
NY	85%	15%	65.66%	34.34%	2.5	3.60	
NC	84%	16%	71.10%	28.90%	2.5	3.60	
ND	86%	14%	73.79%	26.21%	2.5	3.60	
OH	87%	13%	71.17%	28.83%	2.5	3.60	
OK	87%	13%	71.99%	28.01%	2.5	3.60	
OR	74%	26%	71.07%	28.93%	2.5	3.60	
PA	84%	16%	68.11%	31.89%	2.5	3.60	
PR	81%	19%	67.45%	32.55%	2.5	3.60	

## SWStateD

	Optional	Optional	Optional	Optional	Optional	Optional
State	number of busy hour local/EAS calls per residence line	number of busy hour local/EAS calls per business line	number of busy hour toll calls per residence line	number of busy hour toll calls per business line	number of local/EAS Minutes per call per residence line	number of local/EAS Minutes per call per business line
AL						
AK						
AZ						
AR						
CA						
CO						
CT						
DE						
DC						
FL						
GA						
HI						
ID						
IL						
IN						
IA						
KS						
KY						
LA						
ME						
MD						
MA						
MI						
MN						
MS						
MO						
MT						
NB						
NV						
NH						
NJ						
NM						
NY						
NC						
ND						
OH						
OK						
OR						
PA						
PR						

**SWStateD**

State	Optional number of busy hour local/EAS calls per residence line	Optional number of busy hour local/EAS calls per business line	Optional number of busy hour toll calls per residence line	Optional number of busy hour toll calls per business line	Optional number of local/EAS Minutes per call per residence line	Optional number of local/EAS Minutes per call per business line
RI						
SC						
SD						
TN						
TX						
UT						
VT						
VA						
WA						
WV						
WI						
WY						

## SWStateD

	Optional	Optional	Calculated	Calculated	Required	Required
State	number of toll Minutes per call per residence line	number of toll Minutes per call per business line	Calculated Engineered Calls/Line	Calculated Engineered CCS/Line	Land Loading	Building Loading
RJ			-	-	0.0117	0.0738
SC			-	-	0.0117	0.0738
SD			-	-	0.0117	0.0738
TN			-	-	0.0117	0.0738
TX			-	-	0.0117	0.0738
UT			-	-	0.0117	0.0738
VT			-	-	0.0117	0.0738
VA			-	-	0.0117	0.0738
WA			-	-	0.0117	0.0738
WV			-	-	0.0117	0.0738
WI			-	-	0.0117	0.0738
WY			-	-	0.0117	0.0738

## SWStateD1

State	Required Telco E&I Factor	Common Equipment & Power Factor	Percent of local calls that are interoffice	ABSBH CCS/Trunk	Required Feature Calls/Total Calls	Required SS7 Usage Attributable to Basic Calls
AL	0.0577	0.0682	60%	28.8	30%	25%
AK	0.0577	0.0682	60%	28.8	30%	25%
AZ	0.0577	0.0682	60%	28.8	30%	25%
AR	0.0577	0.0682	60%	28.8	30%	25%
CA	0.0577	0.0682	60%	28.8	30%	25%
CO	0.0577	0.0682	60%	28.8	30%	25%
CT	0.0577	0.0682	60%	28.8	30%	25%
DE	0.0577	0.0682	60%	28.8	30%	25%
DC	0.0577	0.0682	60%	28.8	30%	25%
FL	0.0577	0.0682	60%	28.8	30%	25%
GA	0.0577	0.0682	60%	28.8	30%	25%
HI	0.0577	0.0682	60%	28.8	30%	25%
ID	0.0577	0.0682	60%	28.8	30%	25%
IL	0.0577	0.0682	60%	28.8	30%	25%
IN	0.0577	0.0682	60%	28.8	30%	25%
IA	0.0577	0.0682	60%	28.8	30%	25%
KS	0.0577	0.0682	60%	28.8	30%	25%
KY	0.0577	0.0682	60%	28.8	30%	25%
LA	0.0577	0.0682	60%	28.8	30%	25%
ME	0.0577	0.0682	60%	28.8	30%	25%
MD	0.0577	0.0682	60%	28.8	30%	25%
MA	0.0577	0.0682	60%	28.8	30%	25%
MI	0.0577	0.0682	60%	28.8	30%	25%
MN	0.0577	0.0682	60%	28.8	30%	25%
MS	0.0577	0.0682	60%	28.8	30%	25%
MO	0.0577	0.0682	60%	28.8	30%	25%
MT	0.0577	0.0682	60%	28.8	30%	25%
NB	0.0577	0.0682	60%	28.8	30%	25%
NV	0.0577	0.0682	60%	28.8	30%	25%
NH	0.0577	0.0682	60%	28.8	30%	25%
NJ	0.0577	0.0682	60%	28.8	30%	25%
NM	0.0577	0.0682	60%	28.8	30%	25%
NY	0.0577	0.0682	60%	28.8	30%	25%
NC	0.0577	0.0682	60%	28.8	30%	25%
ND	0.0577	0.0682	60%	28.8	30%	25%
OH	0.0577	0.0682	60%	28.8	30%	25%
OK	0.0577	0.0682	60%	28.8	30%	25%
OR	0.0577	0.0682	60%	28.8	30%	25%
PA	0.0577	0.0682	60%	28.8	30%	25%
PR	0.0577	0.0682	60%	28.8	30%	25%

## SWStateD

State	Required Line /Trunk Ratio	Required Switch Percent Line	Required 5ESS Share	Required DMS Share	Required Call Completion Fraction	Optional Reserve CCS \$/Ln: 5ESS Host/ Standalone (Discounted)
	FII					
AL	14	90%	50%	50%	0.7	
AK	14	90%	50%	50%	0.7	
AZ	14	90%	50%	50%	0.7	
AR	14	90%	50%	50%	0.7	
CA	14	90%	50%	50%	0.7	
CO	14	90%	50%	50%	0.7	
CT	14	90%	50%	50%	0.7	
DE	14	90%	50%	50%	0.7	
DC	14	90%	50%	50%	0.7	
FL	14	95%	50%	50%	0.7	
GA	14	90%	50%	50%	0.7	
HI	14	90%	50%	50%	0.7	
ID	14	90%	50%	50%	0.7	
IL	14	90%	50%	50%	0.7	
IN	14	90%	50%	50%	0.7	
IA	14	90%	50%	50%	0.7	
KS	14	90%	50%	50%	0.7	
KY	14	90%	50%	50%	0.7	
LA	14	90%	50%	50%	0.7	
ME	14	90%	50%	50%	0.7	
MD	14	90%	50%	50%	0.7	
MA	14	90%	50%	50%	0.7	
MI	14	90%	50%	50%	0.7	
MN	14	90%	50%	50%	0.7	
MS	14	90%	50%	50%	0.7	
MO	14	90%	50%	50%	0.7	
MT	14	90%	50%	50%	0.7	
NB	14	90%	50%	50%	0.7	
NV	14	90%	50%	50%	0.7	
NH	14	90%	50%	50%	0.7	
NJ	14	90%	50%	50%	0.7	
NM	14	90%	50%	50%	0.7	
NY	14	90%	50%	50%	0.7	
NC	14	90%	50%	50%	0.7	
ND	14	90%	50%	50%	0.7	
OH	14	90%	50%	50%	0.7	
OK	14	90%	50%	50%	0.7	
OR	14	91%	50%	50%	0.7	
PA	14	90%	50%	50%	0.7	
PR	14	90%	50%	50%	0.7	

## SWStateD

	Required	Required	Required	Required	Required	Optional
State	Line /Trunk Ratio	Switch Percent Line- FIR	SESS Share	DMG Share	Call Completion Fraction	Reserve CCS \$/Ln: SESS Host/ Standalone (Discounted)
RJ	14	90%	50%	50%	0.7	
SC	14	90%	50%	50%	0.7	
SD	14	90%	50%	50%	0.7	
TN	14	90%	50%	50%	0.7	
TX	14	90%	50%	50%	0.7	
UT	14	90%	50%	50%	0.7	
VT	14	90%	50%	50%	0.7	
VA	14	90%	50%	50%	0.7	
WA	14	90%	50%	50%	0.7	
WV	14	90%	50%	50%	0.7	
WI	14	90%	50%	50%	0.7	
WY	14	90%	50%	50%	0.7	

## SWStateDt

	Optional	Optional	Optional	Optional	Optional
State	Reserve CCS \$/Ln: 5EGS Remote (Discounted)	Reserve CCS \$/Ln: DMS Host/ Standalone (Discounted)	Reserve CCS \$/Ln: DMS Remote (Discounted)	Small Switch Vendor 1 Share	Small Switch Vendor 2 Share
AL				1	0
AK				1	0
AZ				1	0
AR				1	0
CA				1	0
CO				1	0
CT				1	0
DE				1	0
DC				1	0
FL				1	0
GA				1	0
HI				1	0
ID				1	0
IL				1	0
IN				1	0
IA				1	0
KS				1	0
KY				1	0
LA				1	0
ME				1	0
MD				1	0
MA				1	0
MI				1	0
MN				1	0
MS				1	0
MO				1	0
MT				1	0
NB				1	0
NV				1	0
NH				1	0
NJ				1	0
NM				1	0
NY				1	0
NC				1	0
ND				1	0
OH				1	0
OK				1	0
OR				1	0
PA				1	0
PR				1	0

## SWStateD

State	Share	Small Switch Vendor 3		
		1	0	0
AL	0	1	0	0
AK	0	1	0	0
AZ	0	1	0	0
AR	0	1	0	0
CA	0	1	0	0
CO	0	1	0	0
CT	0	1	0	0
DE	0	1	0	0
DC	0	1	0	0
FL	0	1	0	0
GA	0	1	0	0
HI	0	1	0	0
ID	0	1	0	0
IL	0	1	0	0
IN	0	1	0	0
IA	0	1	0	0
KS	0	1	0	0
KY	0	1	0	0
LA	0	1	0	0
ME	0	1	0	0
MD	0	1	0	0
MA	0	1	0	0
MI	0	1	0	0
MN	0	1	0	0
MS	0	1	0	0
MO	0	1	0	0
MT	0	1	0	0
NE	0	1	0	0
NV	0	1	0	0
NH	0	1	0	0
NJ	0	1	0	0
NM	0	1	0	0
NY	0	1	0	0
NC	0	1	0	0
ND	0	1	0	0
OH	0	1	0	0
OK	0	1	0	0
OR	0	1	0	0
PA	0	1	0	0
PR	0	1	0	0

**SWStateD**

Optional

State	Small Switch Vendor 3 Shares	1	0	0
RI	0	1	0	0
SC	0	1	0	0
SD	0	1	0	0
TN	0	1	0	0
TX	0	1	0	0
UT	0	1	0	0
VT	0	1	0	0
VA	0	1	0	0
WA	0	1	0	0
WV	0	1	0	0
WI	0	1	0	0
WY	0	1	0	0



## BCPM Loop Cost Inputs

### Drop, NID, Protector Costs

#### Buried Drop Costs

		FIXED COSTS	DENSITY 0.5	DENSITY 6-100
1	\$ 0.54	\$ 0.54	\$ 0.54	\$ 0.54

#### Aerial Drop Costs

		FIXED COSTS	DENSITY 0.5	DENSITY 6-100
1	\$ 0.54	\$ 0.54	\$ 0.54	\$ 0.54

#### Residence Costs

		FIXED COSTS	DENSITY 0.5	DENSITY 6-100
1	\$ 0.54	\$ 0.54	\$ 0.54	\$ 0.54

#### Business Costs

		FIXED COSTS	DENSITY 0.5	DENSITY 6-100
1	\$ 29.78	\$ 29.78	\$ 29.78	\$ 29.78

### Fiber Costs

#### Fiber - Underground

		FIXED COSTS	DENSITY 0.5	DENSITY 6-100
1	\$ 7.78	\$ 7.78	\$ 7.78	\$ 7.78
2	\$ 6.96	\$ 6.96	\$ 6.96	\$ 6.96
3	\$ 4.73	\$ 4.73	\$ 4.73	\$ 4.73
4	\$ 3.72	\$ 3.72	\$ 3.72	\$ 3.72
5	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22
6	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85
7	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36
8	\$ 1.88	\$ 1.88	\$ 1.88	\$ 1.88
9	\$ 1.51	\$ 1.51	\$ 1.51	\$ 1.51
10	\$ 1.34	\$ 1.34	\$ 1.34	\$ 1.34

## BCPM Loop Cost Inputs

### Drop, NID, Protector Costs

#### Buried Drop Costs

Drop Density	Drop Density > 5000	Drop Density > 10000
\$ 1	\$ 1	\$ 1

#### Aerial Drop Costs

Drop Density	Drop Density > 5000	Drop Density > 10000
\$ 1	\$ 1	\$ 1

#### Residence Costs

NID	29.71	29.71
Protector Interface	\$ -	\$ -

#### Business Costs

NID	29.71	29.71
Protector Interface	\$ -	\$ -

### Fiber Costs

#### Fiber - Underground

Length	Cost	Length	Cost	Length	Cost
200	\$ 7.76	200	\$ 7.76	200	\$ 7.76
164	\$ 6.96	164	\$ 6.96	164	\$ 6.96
96	\$ 4.73	96	\$ 4.73	96	\$ 4.73
72	\$ 3.72	72	\$ 3.72	72	\$ 3.72
60	\$ 3.21	60	\$ 3.21	60	\$ 3.21
48	\$ 2.83	48	\$ 2.83	48	\$ 2.83
36	\$ 2.36	36	\$ 2.36	36	\$ 2.36
24	\$ 1.88	24	\$ 1.88	24	\$ 1.88
18	\$ 1.51	18	\$ 1.51	18	\$ 1.51
12	\$ 1.34	12	\$ 1.34	12	\$ 1.34

### BCPM Loop Cost Inputs

#### Fiber - Buried

Loop Size	Material Cost	Setup Cost	Total	Fixed Costs		Density 0.5	Density 6.100
				Per Mile	Per Foot		
25	\$ 9.10		\$ 9.10	\$ 9.10	\$ 9.10	\$ 9.10	\$ 9.10
50	\$ 7.08		\$ 7.08	\$ 7.08	\$ 7.08	\$ 7.08	\$ 7.08
100	\$ 4.85		\$ 4.85	\$ 4.85	\$ 4.85	\$ 4.85	\$ 4.85
200	\$ 3.84		\$ 3.84	\$ 3.84	\$ 3.84	\$ 3.84	\$ 3.84
400	\$ 3.34		\$ 3.34	\$ 3.34	\$ 3.34	\$ 3.34	\$ 3.34
800	\$ 2.97		\$ 2.97	\$ 2.97	\$ 2.97	\$ 2.97	\$ 2.97
1600	\$ 2.48		\$ 2.48	\$ 2.48	\$ 2.48	\$ 2.48	\$ 2.48
3200	\$ 2.00		\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00
6400	\$ 1.73		\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73
12800	\$ 1.46		\$ 1.46	\$ 1.46	\$ 1.46	\$ 1.46	\$ 1.46

#### Fiber - Aerial

Loop Size	Material Cost	Setup Cost	Total	Fixed Costs		Density 0.5	Density 6.100
				Per Mile	Per Foot		
25	\$ 8.75		\$ 8.75	\$ 8.75	\$ 8.75	\$ 8.75	\$ 8.75
50	\$ 7.17		\$ 7.17	\$ 7.17	\$ 7.17	\$ 7.17	\$ 7.17
100	\$ 4.94		\$ 4.94	\$ 4.94	\$ 4.94	\$ 4.94	\$ 4.94
200	\$ 3.92		\$ 3.92	\$ 3.92	\$ 3.92	\$ 3.92	\$ 3.92
400	\$ 3.41		\$ 3.41	\$ 3.41	\$ 3.41	\$ 3.41	\$ 3.41
800	\$ 3.02		\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02
1600	\$ 2.54		\$ 2.54	\$ 2.54	\$ 2.54	\$ 2.54	\$ 2.54
3200	\$ 2.14		\$ 2.14	\$ 2.14	\$ 2.14	\$ 2.14	\$ 2.14
6400	\$ 2.02		\$ 2.02	\$ 2.02	\$ 2.02	\$ 2.02	\$ 2.02
12800	\$ 1.59		\$ 1.59	\$ 1.59	\$ 1.59	\$ 1.59	\$ 1.59

#### Terminal Costs

##### Outdoor SAV/Cross Connector

Loop Size	Material Cost	Setup Cost	Total	Fixed Costs		Density 0.5	Density 6.100
				Per Mile	Per Foot		
25	\$ 478.06		\$ 478.06	\$ 478.06	\$ 478.06	\$ 478.06	\$ 478.06
50	\$ 639.85		\$ 639.85	\$ 639.85	\$ 639.85	\$ 639.85	\$ 639.85
100	\$ 983.21		\$ 983.21	\$ 983.21	\$ 983.21	\$ 983.21	\$ 983.21
200	\$ 1,105.78		\$ 1,105.78	\$ 1,105.78	\$ 1,105.78	\$ 1,105.78	\$ 1,105.78
400	\$ 1,228.36		\$ 1,228.36	\$ 1,228.36	\$ 1,228.36	\$ 1,228.36	\$ 1,228.36
800	\$ 1,648.59		\$ 1,648.59	\$ 1,648.59	\$ 1,648.59	\$ 1,648.59	\$ 1,648.59
1600	\$ 2,419.40		\$ 2,419.40	\$ 2,419.40	\$ 2,419.40	\$ 2,419.40	\$ 2,419.40
3200	\$ 3,166.32		\$ 3,166.32	\$ 3,166.32	\$ 3,166.32	\$ 3,166.32	\$ 3,166.32
6400	\$ 4,134.48		\$ 4,134.48	\$ 4,134.48	\$ 4,134.48	\$ 4,134.48	\$ 4,134.48
12800	\$ 4,750.90		\$ 4,750.90	\$ 4,750.90	\$ 4,750.90	\$ 4,750.90	\$ 4,750.90
25600	\$ 6,301.59		\$ 6,301.59	\$ 6,301.59	\$ 6,301.59	\$ 6,301.59	\$ 6,301.59
51200	\$ 6,423.89		\$ 6,423.89	\$ 6,423.89	\$ 6,423.89	\$ 6,423.89	\$ 6,423.89
102400	\$ 7,708.67		\$ 7,708.67	\$ 7,708.67	\$ 7,708.67	\$ 7,708.67	\$ 7,708.67
204800	\$ 8,991.43		\$ 8,991.43	\$ 8,991.43	\$ 8,991.43	\$ 8,991.43	\$ 8,991.43

### BCPM Loop Cost Inputs

#### Fiber - Buried

Fiber Type	Diameter	DENSITY < 1000ft		DENSITY > 1000ft	
		\$/ft	\$/ft	\$/ft	\$/ft
Singlemode	250	\$ 9.10	\$ 8.75	\$ 9.10	\$ 8.75
Singlemode	144	\$ 7.08	\$ 7.17	\$ 7.08	\$ 7.17
Singlemode	96	\$ 4.85	\$ 4.94	\$ 4.85	\$ 4.94
Singlemode	72	\$ 3.84	\$ 3.92	\$ 3.84	\$ 3.92
Singlemode	60	\$ 3.34	\$ 3.41	\$ 3.34	\$ 3.41
Singlemode	48	\$ 2.97	\$ 3.02	\$ 2.97	\$ 3.02
Singlemode	36	\$ 2.48	\$ 2.54	\$ 2.48	\$ 2.54
Singlemode	24	\$ 2.00	\$ 2.14	\$ 2.00	\$ 2.14
Singlemode	18	\$ 1.71	\$ 1.71	\$ 1.71	\$ 1.71
Singlemode	12	\$ 1.46	\$ 1.59	\$ 1.46	\$ 1.59

#### Fiber - Aerial

Fiber Type	Diameter	DENSITY < 1000ft		DENSITY > 1000ft	
		\$/ft	\$/ft	\$/ft	\$/ft
Singlemode	25	\$ 478.06	\$ 478.06	\$ 639.85	\$ 639.85
Singlemode	20	\$ 639.85	\$ 639.85	\$ 983.21	\$ 983.21
Singlemode	16	\$ 983.21	\$ 983.21	\$ 1,105.78	\$ 1,105.78
Singlemode	12	\$ 1,105.78	\$ 1,128.36	\$ 1,228.36	\$ 1,228.36
Singlemode	10	\$ 1,228.36	\$ 1,244.59	\$ 1,648.59	\$ 1,648.59
Singlemode	8	\$ 1,648.59	\$ 2,419.40	\$ 2,419.40	\$ 2,419.40
Singlemode	6	\$ 2,419.40	\$ 3,166.32	\$ 3,166.32	\$ 3,166.32
Singlemode	4	\$ 3,166.32	\$ 4,134.48	\$ 4,134.48	\$ 4,134.48
Singlemode	3	\$ 4,134.48	\$ 4,750.90	\$ 4,750.90	\$ 4,750.90
Singlemode	2	\$ 4,750.90	\$ 6,301.59	\$ 6,301.59	\$ 6,301.59
Singlemode	1	\$ 6,301.59	\$ 6,423.89	\$ 6,423.89	\$ 6,423.89
Singlemode	.5	\$ 6,423.89	\$ 7,708.67	\$ 7,708.67	\$ 7,708.67
Singlemode	.25	\$ 7,708.67	\$ 8,991.45	\$ 8,991.45	\$ 8,991.45

#### Terminal Costs

##### Outdoor SAI/Cross Connector

Type	Quantity	DENSITY < 1000ft		DENSITY > 1000ft	
		\$/unit	\$/unit	\$/unit	\$/unit
SAI/Cross Connector	25	\$ 478.06	\$ 478.06	\$ 639.85	\$ 639.85
SAI/Cross Connector	20	\$ 639.85	\$ 639.85	\$ 983.21	\$ 983.21
SAI/Cross Connector	16	\$ 983.21	\$ 983.21	\$ 1,105.78	\$ 1,105.78
SAI/Cross Connector	12	\$ 1,105.78	\$ 1,128.36	\$ 1,228.36	\$ 1,228.36
SAI/Cross Connector	10	\$ 1,228.36	\$ 1,244.59	\$ 1,648.59	\$ 1,648.59
SAI/Cross Connector	8	\$ 1,648.59	\$ 2,419.40	\$ 2,419.40	\$ 2,419.40
SAI/Cross Connector	6	\$ 2,419.40	\$ 3,166.32	\$ 3,166.32	\$ 3,166.32
SAI/Cross Connector	4	\$ 3,166.32	\$ 4,134.48	\$ 4,134.48	\$ 4,134.48
SAI/Cross Connector	3	\$ 4,134.48	\$ 4,750.90	\$ 4,750.90	\$ 4,750.90
SAI/Cross Connector	2	\$ 4,750.90	\$ 6,301.59	\$ 6,301.59	\$ 6,301.59
SAI/Cross Connector	1	\$ 6,301.59	\$ 6,423.89	\$ 6,423.89	\$ 6,423.89
SAI/Cross Connector	.5	\$ 6,423.89	\$ 7,708.67	\$ 7,708.67	\$ 7,708.67
SAI/Cross Connector	.25	\$ 7,708.67	\$ 8,991.45	\$ 8,991.45	\$ 8,991.45
SAI/Cross Connector	.125	\$ 8,991.45	\$ 10,275.23	\$ 10,275.23	\$ 10,275.23

## BCPM Loop Cost Inputs

**Indoor SAT/Building (Includes cost of protection)**

Size	FIXED COSTS			Density 0.3 ft <sup>2</sup> /sq ft	Density 0.5 ft <sup>2</sup> /sq ft	Density 0.8 ft <sup>2</sup> /sq ft
	1000	1500	2000			
25	\$ 340.00			\$ 340.00	\$ 340.00	\$ 340.00
50	\$ 509.43			\$ 509.43	\$ 509.43	\$ 509.43
100	\$ 811.60			\$ 811.60	\$ 811.60	\$ 811.60
200	\$ 1,293.09			\$ 1,293.09	\$ 1,293.09	\$ 1,293.09
300	\$ 1,965.71			\$ 1,965.71	\$ 1,965.71	\$ 1,965.71
400	\$ 2,334.03			\$ 2,334.03	\$ 2,334.03	\$ 2,334.03
500	\$ 2,757.00			\$ 2,757.00	\$ 2,757.00	\$ 2,757.00
600	\$ 3,177.00			\$ 3,177.00	\$ 3,177.00	\$ 3,177.00
700	\$ 3,601.36			\$ 3,601.36	\$ 3,601.36	\$ 3,601.36
800	\$ 4,001.36			\$ 4,001.36	\$ 4,001.36	\$ 4,001.36
1,000	\$ 5,001.36			\$ 5,001.36	\$ 5,001.36	\$ 5,001.36
1,500	\$ 7,501.36			\$ 7,501.36	\$ 7,501.36	\$ 7,501.36
2,000	\$ 10,001.36			\$ 10,001.36	\$ 10,001.36	\$ 10,001.36
3,000	\$ 15,001.36			\$ 15,001.36	\$ 15,001.36	\$ 15,001.36
4,000	\$ 20,001.36			\$ 20,001.36	\$ 20,001.36	\$ 20,001.36

**Aerial Drop Terminal Cost**

Size	FIXED COSTS			Density 0.3 ft <sup>2</sup> /sq ft	Density 0.5 ft <sup>2</sup> /sq ft	Density 0.8 ft <sup>2</sup> /sq ft
	1000	1500	2000			
6	\$ 157.05			\$ 157.05	\$ 157.05	\$ 157.05
12	\$ 440.87			\$ 440.87	\$ 440.87	\$ 440.87
23	\$ 431.00			\$ 431.00	\$ 431.00	\$ 431.00

**Buried Drop Terminal Cost (Encapsulated or Pedestal)**

Size	FIXED COSTS			Density 0.3 ft <sup>2</sup> /sq ft	Density 0.5 ft <sup>2</sup> /sq ft	Density 0.8 ft <sup>2</sup> /sq ft
	1000	1500	2000			
6	\$ 157.05			\$ 157.05	\$ 157.05	\$ 157.05
12	\$ 440.87			\$ 440.87	\$ 440.87	\$ 440.87
23	\$ 431.00			\$ 431.00	\$ 431.00	\$ 431.00

## BCPM Loop Cost Inputs

Indoor SAI/Building (Includes ee)

	DESKTY 101-500	DESKTY 201-450	DESKTY 301-650	DESKTY 451-850	DESKTY 651-1050	DESKTY 1051-1500
	Total	Total	Total	Total	Total	Total
25	\$ 340.00	\$ 340.00	\$ 340.00	\$ 340.00	\$ 340.00	\$ 340.00
50	\$ 509.41	\$ 509.41	\$ 509.41	\$ 509.41	\$ 509.41	\$ 509.41
100	\$ 811.60	\$ 811.60	\$ 811.60	\$ 811.60	\$ 811.60	\$ 811.60
200	\$ 1,293.09	\$ 1,293.09	\$ 1,293.09	\$ 1,293.09	\$ 1,293.09	\$ 1,293.09
300	\$ 1,965.71	\$ 1,965.71	\$ 1,965.71	\$ 1,965.71	\$ 1,965.71	\$ 1,965.71
400	\$ 2,324.03	\$ 2,324.03	\$ 2,324.03	\$ 2,324.03	\$ 2,324.03	\$ 2,324.03
600	\$ 3,757.00	\$ 3,757.00	\$ 3,757.00	\$ 3,757.00	\$ 3,757.00	\$ 3,757.00
900	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36	\$ 4,901.36
1200	\$ 6,867.06	\$ 6,867.06	\$ 6,867.06	\$ 6,867.06	\$ 6,867.06	\$ 6,867.06
1800	\$ 8,658.36	\$ 8,658.36	\$ 8,658.36	\$ 8,658.36	\$ 8,658.36	\$ 8,658.36
2100	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80	\$ 11,095.80
2400	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71	\$ 13,559.71
3000	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77	\$ 16,669.77
3600	\$ 19,605.42	\$ 19,605.42	\$ 19,605.42	\$ 19,605.42	\$ 19,605.42	\$ 19,605.42
4200	\$ 23,362.42	\$ 23,362.42	\$ 23,362.42	\$ 23,362.42	\$ 23,362.42	\$ 23,362.42

Aerial Drop Terminal Cost

	DESKTY 101-500	DESKTY 201-450	DESKTY 301-650	DESKTY 451-850	DESKTY 651-1050	DESKTY 1051-1500
	Total	Total	Total	Total	Total	Total
6	\$ 95.98	\$ 95.98	\$ 95.98	\$ 95.98	\$ 95.98	\$ 95.98
12	\$ 131.81	\$ 131.81	\$ 131.81	\$ 131.81	\$ 131.81	\$ 131.81
25	\$ 216.00	\$ 216.00	\$ 216.00	\$ 216.00	\$ 216.00	\$ 216.00

Buried Drop Terminal Cost (Euc)

	DESKTY 101-500	DESKTY 201-450	DESKTY 301-650	DESKTY 451-850	DESKTY 651-1050	DESKTY 1051-1500
	Total	Total	Total	Total	Total	Total
6	\$ 157.05	\$ 157.05	\$ 157.05	\$ 157.05	\$ 157.05	\$ 157.05
12	\$ 440.47	\$ 440.47	\$ 440.47	\$ 440.47	\$ 440.47	\$ 440.47
25	\$ 451.00	\$ 451.00	\$ 451.00	\$ 451.00	\$ 451.00	\$ 451.00

## BCPM Loop Cost Inputs

## Cable Costs

24 Gauge Cable - Underground Copper

Size	Length	Material	Unit	Rate	Quantity	Adm.	Unit	Rate	Density	Quantity	Adm.	Unit	Rate
4500	\$	13.77						\$	13.77			\$	13.77
3600	\$	31.18						\$	31.18			\$	31.18
3000	\$	28.58						\$	28.58			\$	28.58
2400	\$	21.78						\$	21.78			\$	21.78
2100	\$	19.68						\$	19.68			\$	19.68
1800	\$	17.07						\$	17.07			\$	17.07
1500	\$	14.82						\$	14.82			\$	14.82
900	\$	9.48						\$	9.48			\$	9.48
600	\$	6.62						\$	6.62			\$	6.62
400	\$	4.07						\$	4.07			\$	4.07
300	\$	3.32						\$	3.32			\$	3.32
200	\$	2.52						\$	2.52			\$	2.52
100	\$	1.69						\$	1.69			\$	1.69
50	\$	1.30						\$	1.30			\$	1.30
25	\$	1.05						\$	1.05			\$	1.05
18	\$	1.05						\$	1.05			\$	1.05
12	\$	1.05						\$	1.05			\$	1.05

24 Gauge Cable - Dual Sheath "F/Fed" Buried Copper

Size	Length	Material	Unit	Rate	Quantity	Adm.	Unit	Rate	Density	Quantity	Adm.	Unit	Rate
4500	\$	21.71						\$	21.71			\$	21.71
3600	\$	21.24						\$	21.24			\$	21.24
3000	\$	20.77						\$	20.77			\$	20.77
2400	\$	19.32						\$	19.32			\$	19.32
2100	\$	16.67						\$	16.67			\$	16.67
1800	\$	15.26						\$	15.26			\$	15.26
1500	\$	10.95						\$	10.95			\$	10.95
900	\$	8.49						\$	8.49			\$	8.49
600	\$	5.94						\$	5.94			\$	5.94
400	\$	4.14						\$	4.14			\$	4.14
300	\$	3.39						\$	3.39			\$	3.39
200	\$	2.59						\$	2.59			\$	2.59
100	\$	1.76						\$	1.76			\$	1.76
50	\$	1.37						\$	1.37			\$	1.37
25	\$	1.12						\$	1.12			\$	1.12
18	\$	1.11						\$	1.11			\$	1.11
12	\$	1.06						\$	1.06			\$	1.06

## BCPM Loop Cost Inputs

## Cable Costs

24 Gauge Cable - Underground

Length	Size	DENSITY 101-300	DENSITY 201-450	DENSITY 651-950	DENSITY 151-250	DENSITY 451-550	DENSITY 751-950
4200	\$	31.77	31.77	31.77	31.77	31.77	31.77
3600	\$	31.18	31.18	31.18	31.18	31.18	31.18
3000	\$	28.58	28.58	28.58	28.58	28.58	28.58
2400	\$	21.78	21.78	21.78	21.78	21.78	21.78
2100	\$	19.68	19.68	19.68	19.68	19.68	19.68
1800	\$	17.07	17.07	17.07	17.07	17.07	17.07
1500	\$	11.82	11.82	11.82	11.82	11.82	11.82
900	\$	9.48	9.48	9.48	9.48	9.48	9.48
600	\$	6.62	6.62	6.62	6.62	6.62	6.62
400	\$	4.07	4.07	4.07	4.07	4.07	4.07
300	\$	3.32	3.32	3.32	3.32	3.32	3.32
200	\$	2.52	2.52	2.52	2.52	2.52	2.52
100	\$	1.69	1.69	1.69	1.69	1.69	1.69
50	\$	1.30	1.30	1.30	1.30	1.30	1.30
25	\$	1.05	1.05	1.05	1.05	1.05	1.05
15	\$	1.05	1.05	1.05	1.05	1.05	1.05
12	\$	1.05	1.05	1.05	1.05	1.05	1.05

24 Gauge Cable - Dual Sheath "

Length	Size	DENSITY 101-300	DENSITY 201-450	DENSITY 651-950	DENSITY 151-250	DENSITY 451-550	DENSITY 751-950
4200	\$	21.71	21.71	21.71	21.71	21.71	21.71
3600	\$	21.24	21.24	21.24	21.24	21.24	21.24
3000	\$	20.77	20.77	20.77	20.77	20.77	20.77
2400	\$	19.32	19.32	19.32	19.32	19.32	19.32
2100	\$	16.67	16.67	16.67	16.67	16.67	16.67
1800	\$	15.26	15.26	15.26	15.26	15.26	15.26
1500	\$	10.95	10.95	10.95	10.95	10.95	10.95
900	\$	8.49	8.49	8.49	8.49	8.49	8.49
600	\$	5.94	5.94	5.94	5.94	5.94	5.94
400	\$	4.14	4.14	4.14	4.14	4.14	4.14
300	\$	3.39	3.39	3.39	3.39	3.39	3.39
200	\$	2.59	2.59	2.59	2.59	2.59	2.59
100	\$	1.76	1.76	1.76	1.76	1.76	1.76
50	\$	1.37	1.37	1.37	1.37	1.37	1.37
25	\$	1.12	1.12	1.12	1.12	1.12	1.12
15	\$	1.11	1.11	1.11	1.11	1.11	1.11
12	\$	1.06	1.06	1.06	1.06	1.06	1.06

#### BCPM Loop Cost inputs

#### 24 Gauge Cable - Aerial

25 Geologic Guide - Chalk Bluff Canyon

\$	1,000	25.84	\$	25.84
\$	2,000	24.17	\$	24.17
\$	3,000	24.17	\$	24.17
\$	5,000	20.48	\$	20.48
\$	10,000	16.66	\$	16.66
\$	20,000	14.58	\$	14.58
\$	30,000	12.24	\$	12.24
\$	50,000	8.47	\$	8.47
\$	60,000	6.60	\$	6.60
\$	600	4.72	\$	4.72
\$	400	3.39	\$	3.39
\$	300	2.87	\$	2.87
\$	200	2.20	\$	2.20
\$	150	1.52	\$	1.52
\$	120	1.21	\$	1.21
\$	100	1.04	\$	1.04
\$	100	1.04	\$	1.04
\$	100	1.04	\$	1.04

## BCPM Loop Cost Inputs

24 Gauge Cable - Aerial

Length	DENSITY 100-200	DENSITY 201-400	DENSITY 401-600	DENSITY 601-800	DENSITY 801-1000	Avg
\$ 4200	\$ 42.77	\$ 42.77	\$ 42.77	\$ 42.77	\$ 42.77	\$ 42.77
\$ 3600	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80
\$ 3000	\$ 37.64	\$ 37.64	\$ 37.64	\$ 37.64	\$ 37.64	\$ 37.64
\$ 2400	\$ 29.16	\$ 29.16	\$ 29.16	\$ 29.16	\$ 29.16	\$ 29.16
\$ 2100	\$ 18.34	\$ 18.34	\$ 18.34	\$ 18.34	\$ 18.34	\$ 18.34
\$ 1800	\$ 14.95	\$ 14.95	\$ 14.95	\$ 14.95	\$ 14.95	\$ 14.95
\$ 1200	\$ 9.95	\$ 9.95	\$ 9.95	\$ 9.95	\$ 9.95	\$ 9.95
\$ 900	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76
\$ 600	\$ 5.49	\$ 5.49	\$ 5.49	\$ 5.49	\$ 5.49	\$ 5.49
\$ 400	\$ 3.66	\$ 3.66	\$ 3.66	\$ 3.66	\$ 3.66	\$ 3.66
\$ 300	\$ 2.23	\$ 2.23	\$ 2.23	\$ 2.23	\$ 2.23	\$ 2.23
\$ 200	\$ 1.64	\$ 1.64	\$ 1.64	\$ 1.64	\$ 1.64	\$ 1.64
\$ 100	\$ 1.26	\$ 1.26	\$ 1.26	\$ 1.26	\$ 1.26	\$ 1.26
\$ 50	\$ 1.03	\$ 1.03	\$ 1.03	\$ 1.03	\$ 1.03	\$ 1.03
\$ 25	\$ 1.02	\$ 1.02	\$ 1.02	\$ 1.02	\$ 1.02	\$ 1.02
\$ 12	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00

26 Gauge Cable - Underground

Length	DENSITY 100-200	DENSITY 201-400	DENSITY 401-600	DENSITY 601-800	DENSITY 801-1000	Avg
\$ 4200	\$ 25.84	\$ 25.84	\$ 25.84	\$ 25.84	\$ 25.84	\$ 25.84
\$ 3600	\$ 24.17	\$ 24.17	\$ 24.17	\$ 24.17	\$ 24.17	\$ 24.17
\$ 3000	\$ 20.48	\$ 20.48	\$ 20.48	\$ 20.48	\$ 20.48	\$ 20.48
\$ 2400	\$ 16.66	\$ 16.66	\$ 16.66	\$ 16.66	\$ 16.66	\$ 16.66
\$ 2100	\$ 14.58	\$ 14.58	\$ 14.58	\$ 14.58	\$ 14.58	\$ 14.58
\$ 1800	\$ 12.24	\$ 12.24	\$ 12.24	\$ 12.24	\$ 12.24	\$ 12.24
\$ 1200	\$ 8.47	\$ 8.47	\$ 8.47	\$ 8.47	\$ 8.47	\$ 8.47
\$ 900	\$ 6.60	\$ 6.60	\$ 6.60	\$ 6.60	\$ 6.60	\$ 6.60
\$ 600	\$ 4.72	\$ 4.72	\$ 4.72	\$ 4.72	\$ 4.72	\$ 4.72
\$ 400	\$ 3.39	\$ 3.39	\$ 3.39	\$ 3.39	\$ 3.39	\$ 3.39
\$ 300	\$ 2.87	\$ 2.87	\$ 2.87	\$ 2.87	\$ 2.87	\$ 2.87
\$ 200	\$ 2.20	\$ 2.20	\$ 2.20	\$ 2.20	\$ 2.20	\$ 2.20
\$ 100	\$ 1.52	\$ 1.52	\$ 1.52	\$ 1.52	\$ 1.52	\$ 1.52
\$ 50	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21
\$ 25	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
\$ 12	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00

## BCPM Loop Cost Inputs

**26 Gauge Cable - Dual Sheath "Filled" Buried Copper**

Length	Spool Cost	Delivery Cost	Delivery Tax	Delivery Total	Delivery Weight	Delivery Volume	DENSITY 0.5	DENSITY 0.5	DENSITY 6-100
4500	\$ 19.44			\$ 19.44	5	19.44	\$ 19.44	\$ 19.44	\$ 19.44
3600	\$ 17.71			\$ 17.71	5	17.71	\$ 17.71	\$ 17.71	\$ 17.71
3000	\$ 17.11			\$ 17.11	5	17.11	\$ 17.11	\$ 17.11	\$ 17.11
2400	\$ 15.71			\$ 15.71	5	15.71	\$ 15.71	\$ 15.71	\$ 15.71
2100	\$ 13.25			\$ 13.25	5	13.25	\$ 13.25	\$ 13.25	\$ 13.25
1800	\$ 12.00			\$ 12.00	5	12.00	\$ 12.00	\$ 12.00	\$ 12.00
1200	\$ 8.49			\$ 8.49	5	8.49	\$ 8.49	\$ 8.49	\$ 8.49
900	\$ 6.73			\$ 6.73	5	6.73	\$ 6.73	\$ 6.73	\$ 6.73
600	\$ 4.80			\$ 4.80	5	4.80	\$ 4.80	\$ 4.80	\$ 4.80
400	\$ 3.46			\$ 3.46	5	3.46	\$ 3.46	\$ 3.46	\$ 3.46
300	\$ 2.94			\$ 2.94	5	2.94	\$ 2.94	\$ 2.94	\$ 2.94
200	\$ 2.27			\$ 2.27	5	2.27	\$ 2.27	\$ 2.27	\$ 2.27
100	\$ 1.59			\$ 1.59	5	1.59	\$ 1.59	\$ 1.59	\$ 1.59
50	\$ 1.28			\$ 1.28	5	1.28	\$ 1.28	\$ 1.28	\$ 1.28
25	\$ 1.11			\$ 1.11	5	1.11	\$ 1.11	\$ 1.11	\$ 1.11
18	\$ 1.11			\$ 1.11	5	1.11	\$ 1.11	\$ 1.11	\$ 1.11
12	\$ 1.11			\$ 1.11	5	1.11	\$ 1.11	\$ 1.11	\$ 1.11

**26 Gauge Cable - Aerial**

Length	Spool Cost	Delivery Cost	Delivery Tax	Delivery Total	Delivery Weight	Delivery Volume	DENSITY 0.5	DENSITY 0.5	DENSITY 6-100
4200	\$ 23.23			\$ 23.23	5	23.23	\$ 23.23	\$ 23.23	\$ 23.23
3600	\$ 21.25			\$ 21.25	5	21.25	\$ 21.25	\$ 21.25	\$ 21.25
3000	\$ 20.85			\$ 20.85	5	20.85	\$ 20.85	\$ 20.85	\$ 20.85
2400	\$ 16.41			\$ 16.41	5	16.41	\$ 16.41	\$ 16.41	\$ 16.41
2100	\$ 12.62			\$ 12.62	5	12.62	\$ 12.62	\$ 12.62	\$ 12.62
1800	\$ 10.94			\$ 10.94	5	10.94	\$ 10.94	\$ 10.94	\$ 10.94
1200	\$ 7.92			\$ 7.92	5	7.92	\$ 7.92	\$ 7.92	\$ 7.92
900	\$ 6.42			\$ 6.42	5	6.42	\$ 6.42	\$ 6.42	\$ 6.42
600	\$ 4.55			\$ 4.55	5	4.55	\$ 4.55	\$ 4.55	\$ 4.55
400	\$ 3.27			\$ 3.27	5	3.27	\$ 3.27	\$ 3.27	\$ 3.27
300	\$ 2.30			\$ 2.30	5	2.30	\$ 2.30	\$ 2.30	\$ 2.30
100	\$ 1.49			\$ 1.49	5	1.49	\$ 1.49	\$ 1.49	\$ 1.49
50	\$ 1.16			\$ 1.16	5	1.16	\$ 1.16	\$ 1.16	\$ 1.16
25	\$ 0.98			\$ 0.98	5	0.98	\$ 0.98	\$ 0.98	\$ 0.98
18	\$ 0.98			\$ 0.98	5	0.98	\$ 0.98	\$ 0.98	\$ 0.98
12	\$ 0.98			\$ 0.98	5	0.98	\$ 0.98	\$ 0.98	\$ 0.98

### BCPM Loop Cost Inputs

#### 26 Gauge Cable - Dual Sheath "I"

Size	DENSITY 101-200		DENSITY 201-450		DENSITY 451-850		DENSITY 851-2550		DENSITY 2551-5000	
	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost
4200		\$ 19.44		\$ 19.44		\$ 19.44		\$ 19.44		\$ 19.44
3600		\$ 17.71		\$ 17.71		\$ 17.71		\$ 17.71		\$ 17.71
3000		\$ 17.11		\$ 17.11		\$ 17.11		\$ 17.11		\$ 17.11
2400		\$ 15.71		\$ 15.71		\$ 15.71		\$ 15.71		\$ 15.71
2100		\$ 13.25		\$ 13.25		\$ 13.25		\$ 13.25		\$ 13.25
1800		\$ 12.00		\$ 12.00		\$ 12.00		\$ 12.00		\$ 12.00
1200		\$ 8.49		\$ 8.49		\$ 8.49		\$ 8.49		\$ 8.49
900		\$ 6.73		\$ 6.73		\$ 6.73		\$ 6.73		\$ 6.73
600		\$ 4.80		\$ 4.80		\$ 4.80		\$ 4.80		\$ 4.80
400		\$ 3.46		\$ 3.46		\$ 3.46		\$ 3.46		\$ 3.46
300		\$ 2.94		\$ 2.94		\$ 2.94		\$ 2.94		\$ 2.94
200		\$ 2.27		\$ 2.27		\$ 2.27		\$ 2.27		\$ 2.27
100		\$ 1.59		\$ 1.59		\$ 1.59		\$ 1.59		\$ 1.59
50		\$ 1.28		\$ 1.28		\$ 1.28		\$ 1.28		\$ 1.28
25		\$ 1.11		\$ 1.11		\$ 1.11		\$ 1.11		\$ 1.11
18		\$ 1.11		\$ 1.11		\$ 1.11		\$ 1.11		\$ 1.11
12		\$ 1.11		\$ 1.11		\$ 1.11		\$ 1.11		\$ 1.11

#### 26 Gauge Cable - Aerial

Size	DENSITY 101-200		DENSITY 201-450		DENSITY 451-850		DENSITY 851-2550		DENSITY 2551-5000	
	Length	Cost	Length	Cost	Length	Cost	Length	Cost	Length	Cost
4200		\$ 23.23		\$ 23.23		\$ 23.23		\$ 23.23		\$ 23.23
3600		\$ 21.25		\$ 21.25		\$ 21.25		\$ 21.25		\$ 21.25
3000		\$ 20.85		\$ 20.85		\$ 20.85		\$ 20.85		\$ 20.85
2400		\$ 16.41		\$ 16.41		\$ 16.41		\$ 16.41		\$ 16.41
2100		\$ 12.62		\$ 12.62		\$ 12.62		\$ 12.62		\$ 12.62
1800		\$ 10.94		\$ 10.94		\$ 10.94		\$ 10.94		\$ 10.94
1200		\$ 7.92		\$ 7.92		\$ 7.92		\$ 7.92		\$ 7.92
900		\$ 6.42		\$ 6.42		\$ 6.42		\$ 6.42		\$ 6.42
600		\$ 4.55		\$ 4.55		\$ 4.55		\$ 4.55		\$ 4.55
400		\$ 3.27		\$ 3.27		\$ 3.27		\$ 3.27		\$ 3.27
300		\$ 2.78		\$ 2.78		\$ 2.78		\$ 2.78		\$ 2.78
200		\$ 2.30		\$ 2.30		\$ 2.30		\$ 2.30		\$ 2.30
100		\$ 1.49		\$ 1.49		\$ 1.49		\$ 1.49		\$ 1.49
50		\$ 1.16		\$ 1.16		\$ 1.16		\$ 1.16		\$ 1.16
25		\$ 0.98		\$ 0.98		\$ 0.98		\$ 0.98		\$ 0.98
18		\$ 0.98		\$ 0.98		\$ 0.98		\$ 0.98		\$ 0.98
12		\$ 0.98		\$ 0.98		\$ 0.98		\$ 0.98		\$ 0.98

### BCPM Loop Cost Inputs

Strand	FIXED COST	WEIGHT DENSITY 0.5	WEIGHT DENSITY 6.25
25mm	\$	\$	\$
16mm	\$	\$	\$
10mm	\$	\$	\$
6mm	\$	\$	\$

### BCPM Loop Cost Inputs

Strand	100' Length	DENSITY 101-200	DENSITY 201-450	DENSITY 451-850	DENSITY 851-2150	DENSITY 2151-5000
1mm	\$	\$	\$	\$	\$	\$
2mm	\$	\$	\$	\$	\$	\$
3mm	\$	\$	\$	\$	\$	\$
4mm	\$	\$	\$	\$	\$	\$
5mm	\$	\$	\$	\$	\$	\$
6mm	\$	\$	\$	\$	\$	\$
7mm	\$	\$	\$	\$	\$	\$
8mm	\$	\$	\$	\$	\$	\$
9mm	\$	\$	\$	\$	\$	\$
10mm	\$	\$	\$	\$	\$	\$
12mm	\$	\$	\$	\$	\$	\$
14mm	\$	\$	\$	\$	\$	\$
16mm	\$	\$	\$	\$	\$	\$
18mm	\$	\$	\$	\$	\$	\$
20mm	\$	\$	\$	\$	\$	\$
22mm	\$	\$	\$	\$	\$	\$
24mm	\$	\$	\$	\$	\$	\$
26mm	\$	\$	\$	\$	\$	\$
28mm	\$	\$	\$	\$	\$	\$
30mm	\$	\$	\$	\$	\$	\$
32mm	\$	\$	\$	\$	\$	\$
34mm	\$	\$	\$	\$	\$	\$
36mm	\$	\$	\$	\$	\$	\$
38mm	\$	\$	\$	\$	\$	\$
40mm	\$	\$	\$	\$	\$	\$
42mm	\$	\$	\$	\$	\$	\$
44mm	\$	\$	\$	\$	\$	\$
46mm	\$	\$	\$	\$	\$	\$
48mm	\$	\$	\$	\$	\$	\$
50mm	\$	\$	\$	\$	\$	\$
52mm	\$	\$	\$	\$	\$	\$
54mm	\$	\$	\$	\$	\$	\$
56mm	\$	\$	\$	\$	\$	\$
58mm	\$	\$	\$	\$	\$	\$
60mm	\$	\$	\$	\$	\$	\$
62mm	\$	\$	\$	\$	\$	\$
64mm	\$	\$	\$	\$	\$	\$
66mm	\$	\$	\$	\$	\$	\$
68mm	\$	\$	\$	\$	\$	\$
70mm	\$	\$	\$	\$	\$	\$
72mm	\$	\$	\$	\$	\$	\$
74mm	\$	\$	\$	\$	\$	\$
76mm	\$	\$	\$	\$	\$	\$
78mm	\$	\$	\$	\$	\$	\$
80mm	\$	\$	\$	\$	\$	\$
82mm	\$	\$	\$	\$	\$	\$
84mm	\$	\$	\$	\$	\$	\$
86mm	\$	\$	\$	\$	\$	\$
88mm	\$	\$	\$	\$	\$	\$
90mm	\$	\$	\$	\$	\$	\$
92mm	\$	\$	\$	\$	\$	\$
94mm	\$	\$	\$	\$	\$	\$
96mm	\$	\$	\$	\$	\$	\$
98mm	\$	\$	\$	\$	\$	\$
100mm	\$	\$	\$	\$	\$	\$

## BCPM Structure Inputs

## Normal Structure

Normal - Feeder Conduit

			DENSITY 0.3		DENSITY 6.00				
	Cable Type	Length	Quantity	Length	Quantity	Length			
Trench & Backfill	Antennae	\$ 2.27	75.00%	\$ 97.18%	\$ 1.65	\$ 0.11	71.00%	\$ 97.18%	\$ 1.64
Rocky Trench		\$ 4.22	0.00%	\$ 97.18%	\$ 0.00	\$ 0.00%	\$ 97.18%	\$ 0.00	\$ 0.53
Backhoe Trench		\$ 2.70	17.00%	\$ 97.18%	\$ 0.45	\$ 0.17	19.00%	\$ 97.18%	\$ 0.53
Hand Dig Trench		\$ 4.99	2.00%	\$ 97.18%	\$ 0.10	\$ 0.25	2.00%	\$ 97.18%	\$ 0.10
Buried		\$ 11.80	2.00%	\$ 97.18%	\$ 0.21	\$ 0.37	2.00%	\$ 97.18%	\$ 0.24
Cut & Replace Asphalt		\$ 8.72	1.00%	\$ 97.18%	\$ 0.08	\$ 0.18	2.00%	\$ 97.18%	\$ 0.17
Cut & Replace Concrete		\$ 9.53	1.00%	\$ 97.18%	\$ 0.09	\$ 0.16	2.00%	\$ 97.18%	\$ 0.19
Cut & Remove Soil		\$ 1.75	2.00%	\$ 97.18%	\$ 0.07	\$ 0.17	2.00%	\$ 97.18%	\$ 0.08

Normal - Distribution Conduit

			DENSITY 0.3		DENSITY 6.00				
	Cable Type	Length	Quantity	Length	Quantity	Length			
Trench & Backfill	Antennae	\$ 2.27	87.00%	\$ 97.18%	\$ 1.92	\$ 0.11	71.00%	\$ 97.18%	\$ 1.64
Rocky Trench		\$ 4.22	0.00%	\$ 97.18%	\$ 0.00	\$ 0.00%	\$ 97.18%	\$ 0.00	\$ 0.53
Backhoe Trench		\$ 2.70	5.00%	\$ 97.18%	\$ 0.13	\$ 0.17	19.00%	\$ 97.18%	\$ 0.53
Hand Dig Trench		\$ 4.99	2.00%	\$ 97.18%	\$ 0.10	\$ 0.25	2.00%	\$ 97.18%	\$ 0.10
Buried		\$ 11.80	2.00%	\$ 97.18%	\$ 0.23	\$ 0.37	2.00%	\$ 97.18%	\$ 0.24
Cut & Replace Asphalt		\$ 8.72	1.00%	\$ 97.18%	\$ 0.08	\$ 0.18	2.00%	\$ 97.18%	\$ 0.17
Cut & Replace Concrete		\$ 9.53	1.00%	\$ 97.18%	\$ 0.09	\$ 0.16	2.00%	\$ 97.18%	\$ 0.19
Cut & Remove Soil		\$ 1.75	2.00%	\$ 97.18%	\$ 0.07	\$ 0.17	2.00%	\$ 97.18%	\$ 0.08

Normal - Buried Feeder Cable

			DENSITY 0.3		DENSITY 6.00				
	Cable Type	Length	Quantity	Length	Quantity	Length			
Fence		\$ 1.14	96.00%	\$ 100.00%	\$ 1.09	\$ 0.02	78.00%	\$ 100.00%	\$ 0.90
Rocky Pipe		\$ 1.37	0.00%	\$ 100.00%	\$ 0.00	\$ 0.03	0.00%	\$ 100.00%	\$ 0.24
Drain & Backfill		\$ 2.27	0.00%	\$ 100.00%	\$ 0.00	\$ 0.11	0.00%	\$ 100.00%	\$ 0.24
Rocky Trench		\$ 4.22	0.00%	\$ 100.00%	\$ 0.00	\$ 0.15	0.00%	\$ 100.00%	\$ 0.14
Backhoe Trench		\$ 2.70	0.00%	\$ 100.00%	\$ 0.00	\$ 0.17	0.00%	\$ 100.00%	\$ 0.05
Hand Dig Trench		\$ 4.99	0.00%	\$ 100.00%	\$ 0.00	\$ 0.23	0.00%	\$ 100.00%	\$ 0.05
Bron Cable		\$ 11.80	0.00%	\$ 100.00%	\$ 0.00	\$ 0.37	0.00%	\$ 100.00%	\$ 0.00
Push Pipe & Pull Cable		\$ 6.80	0.00%	\$ 100.00%	\$ 0.00	\$ 0.30	0.00%	\$ 100.00%	\$ 0.18
Cut & Replace Asphalt		\$ 8.72	1.00%	\$ 100.00%	\$ 0.09	\$ 0.18	2.00%	\$ 100.00%	\$ 0.20
Cut & Replace Concrete		\$ 9.53	1.00%	\$ 100.00%	\$ 0.10	\$ 0.16	2.00%	\$ 100.00%	\$ 0.20
Cut & Remove Soil		\$ 1.75	1.00%	\$ 100.00%	\$ 0.08	\$ 0.17	2.00%	\$ 100.00%	\$ 0.08

## BCPM Structure Inputs

### Normal Structure

#### Normal - Feeder Conduit

Activity	DENSITY 101-200				DENSITY 201-400			
	Cost Adjustment	% Activity	# Assigned Tasks	Weighted Amount	Cost Adjustment	% Activity	# Assigned Tasks	Weighted Amount
Trench & Backfill	\$ 0.21	46.00%	97.18%	\$ 1.11	\$ 0.32	35.00%	97.18%	\$ 0.88
Rocky Trench	\$ 0.30	0.00%	97.18%	\$ -	\$ 0.45	0.00%	97.18%	\$ -
Backhoe Trench	\$ 0.34	30.00%	97.18%	\$ 0.89	\$ 0.51	33.00%	97.18%	\$ 1.03
Hand Dig Trench	\$ 0.50	5.00%	97.18%	\$ 0.27	\$ 0.75	3.00%	97.18%	\$ 0.17
Boring	\$ 0.73	4.00%	97.18%	\$ 0.49	\$ 1.10	4.00%	97.18%	\$ 0.50
Cut & Restore Asphalt	\$ 0.37	5.00%	97.18%	\$ 0.44	\$ 0.55	8.00%	97.18%	\$ 0.72
Cut & Restore Concrete	\$ 0.33	4.00%	97.18%	\$ 0.39	\$ 0.50	7.00%	97.18%	\$ 0.69
Cut & Restore Sod	\$ 0.33	6.00%	97.18%	\$ 0.24	\$ 0.50	10.00%	97.18%	\$ 0.41
								\$ 4.62

#### Normal - Distribution Conduit

Activity	DENSITY 101-200				DENSITY 201-400			
	Cost Adjustment	% Activity	# Assigned Tasks	Weighted Amount	Cost Adjustment	% Activity	# Assigned Tasks	Weighted Amount
Trench & Backfill	\$ 0.21	60.00%	97.18%	\$ 1.45	\$ 0.32	45.00%	97.18%	\$ 1.13
Rocky Trench	\$ 0.30	0.00%	97.18%	\$ -	\$ 0.45	0.00%	97.18%	\$ -
Backhoe Trench	\$ 0.34	18.00%	97.18%	\$ 0.53	\$ 0.51	23.00%	97.18%	\$ 0.72
Hand Dig Trench	\$ 0.50	5.00%	97.18%	\$ 0.27	\$ 0.75	3.00%	97.18%	\$ 0.17
Boring	\$ 0.73	2.00%	97.18%	\$ 0.24	\$ 1.10	4.00%	97.18%	\$ 0.50
Cut & Restore Asphalt	\$ 0.37	5.00%	97.18%	\$ 0.44	\$ 0.55	8.00%	97.18%	\$ 0.72
Cut & Restore Concrete	\$ 0.33	4.00%	97.18%	\$ 0.39	\$ 0.50	7.00%	97.18%	\$ 0.69
Cut & Restore Sod	\$ 0.33	6.00%	97.18%	\$ 0.24	\$ 0.50	10.00%	97.18%	\$ 0.41
								\$ 4.62

#### Normal - Buried Feeder Cable

Activity	DENSITY 101-200				DENSITY 201-400			
	Cost Adjustment	% Activity	# Assigned Tasks	Weighted Amount	Cost Adjustment	% Activity	# Assigned Tasks	Weighted Amount
Plow	\$ 0.04	60.00%	100.00%	\$ 0.71	\$ 0.06	33.00%	100.00%	\$ 0.40
Rocky Plow	\$ 0.07	0.00%	100.00%	\$ -	\$ 0.10	0.00%	100.00%	\$ -
Trench & Backfill	\$ 0.21	10.00%	100.00%	\$ 0.25	\$ 0.32	20.00%	100.00%	\$ 0.52
Rocky Trench	\$ 0.30	0.00%	100.00%	\$ -	\$ 0.45	0.00%	100.00%	\$ -
Backhoe Trench	\$ 0.34	6.00%	100.00%	\$ 0.18	\$ 0.51	10.00%	100.00%	\$ 0.32
Hand Dig Trench	\$ 0.50	5.00%	100.00%	\$ 0.27	\$ 0.75	3.00%	100.00%	\$ 0.17
Reel Cable	\$ 0.73	3.00%	100.00%	\$ 0.38	\$ 1.10	4.00%	100.00%	\$ 0.52
Push Pipe & Pull Cable	\$ 0.59	1.00%	100.00%	\$ 0.07	\$ 0.89	5.00%	100.00%	\$ 0.38
Cut & Restore Asphalt	\$ 0.37	5.00%	100.00%	\$ 0.45	\$ 0.55	8.00%	100.00%	\$ 0.74
Cut & Restore Concrete	\$ 0.33	4.00%	100.00%	\$ 0.40	\$ 0.50	7.00%	100.00%	\$ 0.71
Cut & Restore Sod	\$ 0.33	6.00%	100.00%	\$ 0.24	\$ 0.50	10.00%	100.00%	\$ 0.43
								\$ 4.62

### BCPM Structure Inputs

#### Normal Structure

##### Normal - Feeder Conduit

Activity	DENSITY 651-650				DENSITY 651-2150			
	Cost Adjustment	% Activity	% Assigned Telephone	Weighted Average	Cost Adjustment	% Activity	% Assigned Telephone	Weighted Average
Trench & Backfill	\$ 0.42	27.00%	97.18%	\$ 0.71	\$ 0.42	27.00%	97.18%	\$ 0.71
Rocky Trench	\$ 0.61	0.00%	97.18%	\$ -	\$ 0.61	0.00%	97.18%	\$ -
Backhoe Trench	\$ 0.68	30.00%	97.18%	\$ 0.99	\$ 0.68	30.00%	97.18%	\$ 0.99
Hand Dig Trench	\$ 1.01	6.00%	97.18%	\$ 0.35	\$ 1.01	6.00%	97.18%	\$ 0.35
Boring	\$ 1.46	2.00%	97.18%	\$ 0.26	\$ 1.46	2.00%	97.18%	\$ 0.26
Cut & Restore Asphalt	\$ 0.73	13.00%	97.18%	\$ 1.19	\$ 0.73	13.00%	97.18%	\$ 1.19
Cut & Restore Concrete	\$ 0.67	12.00%	97.18%	\$ 1.20	\$ 0.67	12.00%	97.18%	\$ 1.20
Cut & Restore Sod	\$ 0.66	10.00%	97.18%	\$ 0.43	\$ 0.66	10.00%	97.18%	\$ 0.43

##### Normal - Distribution Conduit

Activity	DENSITY 651-650				DENSITY 651-2150			
	Cost Adjustment	% Activity	% Assigned Telephone	Weighted Average	Cost Adjustment	% Activity	% Assigned Telephone	Weighted Average
Trench & Backfill	\$ 0.42	40.00%	97.18%	\$ 1.05	\$ 0.42	40.00%	97.18%	\$ 1.05
Rocky Trench	\$ 0.61	0.00%	97.18%	\$ -	\$ 0.61	0.00%	97.18%	\$ -
Backhoe Trench	\$ 0.68	7.00%	97.18%	\$ 0.23	\$ 0.68	7.00%	97.18%	\$ 0.23
Hand Dig Trench	\$ 1.01	6.00%	97.18%	\$ 0.35	\$ 1.01	6.00%	97.18%	\$ 0.35
Boring	\$ 1.46	2.00%	97.18%	\$ 0.26	\$ 1.46	2.00%	97.18%	\$ 0.26
Cut & Restore Asphalt	\$ 0.73	13.00%	97.18%	\$ 1.19	\$ 0.73	13.00%	97.18%	\$ 1.19
Cut & Restore Concrete	\$ 0.67	12.00%	97.18%	\$ 1.20	\$ 0.67	12.00%	97.18%	\$ 1.20
Cut & Restore Sod	\$ 0.66	20.00%	97.18%	\$ 0.86	\$ 0.66	20.00%	97.18%	\$ 0.86

##### Normal - Buried Feeder Cable

Activity	DENSITY 651-650				DENSITY 651-2150			
	Cost Adjustment	% Activity	% Assigned Telephone	Weighted Average	Cost Adjustment	% Activity	% Assigned Telephone	Weighted Average
Plow	\$ 0.06	15.00%	100.00%	\$ 0.18	\$ 0.06	15.00%	100.00%	\$ 0.18
Rocky Plow	\$ 0.14	0.00%	100.00%	\$ -	\$ 0.14	0.00%	100.00%	\$ -
Trench & Backfill	\$ 0.42	26.00%	100.00%	\$ 0.70	\$ 0.42	26.00%	100.00%	\$ 0.70
Rocky Trench	\$ 0.61	0.00%	100.00%	\$ -	\$ 0.61	0.00%	100.00%	\$ -
Backhoe Trench	\$ 0.68	11.00%	100.00%	\$ 0.37	\$ 0.68	11.00%	100.00%	\$ 0.37
Hand Dig Trench	\$ 1.01	6.00%	100.00%	\$ 0.36	\$ 1.01	6.00%	100.00%	\$ 0.36
Bore Cable	\$ 1.46	2.00%	100.00%	\$ 0.27	\$ 1.46	2.00%	100.00%	\$ 0.27
Push Pipe & Pull Cable	\$ 1.18	5.00%	100.00%	\$ 0.40	\$ 1.18	5.00%	100.00%	\$ 0.40
Cut & Restore Asphalt	\$ 0.73	13.00%	100.00%	\$ 1.23	\$ 0.73	13.00%	100.00%	\$ 1.23
Cut & Restore Concrete	\$ 0.67	12.00%	100.00%	\$ 1.24	\$ 0.67	12.00%	100.00%	\$ 1.24
Cut & Restore Sod	\$ 0.66	10.00%	100.00%	\$ 0.44	\$ 0.66	10.00%	100.00%	\$ 0.44
	100.00%		\$ 5.18		100.00%		\$ 5.18	

## BCPM Structure Inputs

## Normal Structure

## Normal - Feeder Conduit

	DENSITY > 2000	PERCENT	TIME	UNIT
Trench & Backfill	\$ 0.59	3.00%	97.18%	\$ 0.08
Rocky Trench	\$ 0.84	0.00%	97.18%	\$ -
Backhoe Trench	\$ 0.94	15.00%	97.18%	\$ 0.53
Hand Dig Trench	\$ 1.40	8.00%	97.18%	\$ 0.50
Boring	\$ 2.02	10.00%	97.18%	\$ 1.34
Cat & Rester Asphalt	\$ 1.02	33.00%	97.18%	\$ 1.12
Cat & Rester Concrete	\$ 0.93	28.00%	97.18%	\$ 2.87
Cat & Rester Soil	\$ 0.93	1.00%	97.18%	\$ 0.14

## Normal - Distribution Conduit

	DENSITY > 2000	PERCENT	TIME	UNIT
Trench & Backfill	\$ 0.59	3.00%	97.18%	\$ 0.08
Rocky Trench	\$ 0.84	0.00%	97.18%	\$ -
Backhoe Trench	\$ 0.94	15.00%	97.18%	\$ 0.53
Hand Dig Trench	\$ 1.40	8.00%	97.18%	\$ 0.50
Boring	\$ 2.02	10.00%	97.18%	\$ 1.34
Cat & Rester Asphalt	\$ 1.02	33.00%	97.18%	\$ 1.12
Cat & Rester Concrete	\$ 0.93	28.00%	97.18%	\$ 2.87
Cat & Rester Soil	\$ 0.93	1.00%	97.18%	\$ 0.14

## Normal - Buried Feeder Cable

	DENSITY > 2000	PERCENT	TIME	UNIT
Trench & Backfill	\$ 0.11	0.00%	100.00%	\$ -
Rocky Pipe	\$ 0.19	0.00%	100.00%	\$ -
Rocky Backfill	\$ 0.59	3.00%	100.00%	\$ 0.09
Backhoe Trench	\$ 0.84	0.00%	100.00%	\$ -
Backhoe Trench	\$ 0.94	15.00%	100.00%	\$ 0.53
Hand Dig Trench	\$ 1.40	8.00%	100.00%	\$ 0.51
Item Cable	\$ 2.02	10.00%	100.00%	\$ 1.36
Push Pipe & Pull Cable	\$ 1.64	0.00%	100.00%	\$ -
Cat & Rester Asphalt	\$ 1.02	33.00%	100.00%	\$ 1.11
Cat & Rester Concrete	\$ 0.93	28.00%	100.00%	\$ 2.96
Cat & Rester Soil	\$ 0.93	1.00%	100.00%	\$ 0.14

## BCPM Structure Inputs

Normal - Buried Distribution Cable

	Length feet	Unit length	DENSITY 0.3 lb/cubic ft	Weight lb/foot	Cost	DENSITY 0.4-100 lb/cubic ft	Weight lb/foot	Cost	
Pipe	\$ 1.14	\$ -	80.00%	100.00%	\$ 0.04	0.02	80.00%	100.00%	\$ 0.93
Rocky Pipe	\$ 1.17	\$ -	0.00%	100.00%	\$ 0.04	0.05	-20%	100.00%	\$ -
Trench & Backfill	\$ 2.27	\$ -	100.00%	100.00%	\$ 0.23	0.11	11.00%	100.00%	\$ 0.26
Rocky Trench	\$ 4.22	\$ -	0.00%	100.00%	\$ 0.15	0.03%	100.00%	100.00%	\$ -
Backhoe Trench	\$ 2.70	\$ -	100.00%	100.00%	\$ 0.17	1.00%	100.00%	100.00%	\$ 0.09
Hand Dig Trench	\$ 4.99	\$ -	0.00%	100.00%	\$ 0.23	0.00%	100.00%	100.00%	\$ -
Bare Cable	\$ 11.80	\$ -	0.00%	100.00%	\$ 0.17	0.00%	100.00%	100.00%	\$ -
Push Pipe & Pull Cable	\$ 6.80	\$ -	0.00%	100.00%	\$ 0.10	0.00%	100.00%	100.00%	\$ -
Out & Return Arghols	\$ 8.72	\$ -	1.00%	100.00%	\$ 0.18	2.00%	100.00%	100.00%	\$ 0.18
Out & Return Concretes	\$ 9.63	\$ -	1.00%	100.00%	\$ 0.16	2.00%	100.00%	100.00%	\$ 0.20
Out & Return Soil	\$ 1.75	\$ -	2.00%	100.00%	\$ 0.08	0.17	100.00%	100.00%	\$ 0.08

Normal - Aerial Feeder Cable

	Length feet	Unit length	DENSITY 0.3 lb/cubic ft	Weight lb/foot	Cost	DENSITY 0.4-100 lb/cubic ft	Weight lb/foot	Cost
Alums	\$ 300.30	\$ -	54.00%	\$ 162.43	\$ -	54.00%	\$ 162.43	\$ -
Alcohols and Oxy's	\$ 99.10	\$ -	100.00%	\$ 9.91	\$ -	100.00%	\$ 9.91	\$ -

Normal - Aerial Distribution Cable

	Length feet	Unit length	DENSITY 0.3 lb/cubic ft	Weight lb/foot	Cost	DENSITY 0.4-100 lb/cubic ft	Weight lb/foot	Cost
Alums	\$ 300.30	\$ -	54.00%	\$ 162.43	\$ -	54.00%	\$ 162.43	\$ -
Alcohols and Oxy's	\$ 99.10	\$ -	100.00%	\$ 9.91	\$ -	100.00%	\$ 9.91	\$ -

## BCPM Structure Inputs

Normal - Buried Distribution Cables

		DENSITY 651-830	Weighted	Cost	DENSITY 831-2100	Weighted	Cost
None		\$ 0.04	20.00%	\$ 100.00% \$ 0.24	\$ 0.08	20.00%	\$ 100.00% \$ 0.21
Rocky Pipe		\$ 0.14	0.00%	\$ 100.00% \$ 0.14	\$ 0.00%	100.00%	\$ 0.14
Trench & Backfill		\$ 0.42	20.00%	\$ 100.00% \$ 0.54	\$ 0.42	20.00%	\$ 100.00% \$ 0.54
Rocky Trench		\$ 0.61	0.00%	\$ 100.00% \$ 0.61	\$ 0.00%	100.00%	\$ 100.00% \$ 0.07
Backhoe Trench		\$ 0.68	2.00%	\$ 100.00% \$ 0.68	\$ 1.00%	100.00%	\$ 1.00%
Lead Ditch Trench		\$ 1.01	6.00%	\$ 100.00% \$ 1.01	\$ 6.00%	100.00%	\$ 1.16
Steel Cable		\$ 1.40	2.00%	\$ 100.00% \$ 0.27	\$ 1.40	2.00%	\$ 100.00% \$ 0.27
Push Pipe & Pull Cable		\$ 1.18	5.00%	\$ 100.00% \$ 0.40	\$ 1.18	5.00%	\$ 100.00% \$ 0.40
Cat & Return Auger		\$ 0.73	13.00%	\$ 100.00% \$ 1.23	\$ 0.73	13.00%	\$ 100.00% \$ 1.23
Cat & Return Conveyor		\$ 0.67	12.00%	\$ 100.00% \$ 1.24	\$ 0.67	12.00%	\$ 100.00% \$ 1.24
Cat & Return Soil		\$ 0.66	20.00%	\$ 100.00% \$ 0.88	\$ 0.66	20.00%	\$ 100.00% \$ 0.88

Normal - Aerial Feeder Cable

		DENSITY 651-830	Weighted	Cost	DENSITY 831-2100	Weighted	Cost
None		\$ 54.00%	\$ 162.43	\$ 9.91	\$ 54.00%	\$ 162.43	\$ 9.91
Anchors and Gears		\$ 100.00%	\$ 100.00%	\$ 100.00% \$ 9.91	\$ 100.00%	\$ 100.00% \$ 9.91	\$ 100.00% \$ 9.91
Total		\$ 54.00%	\$ 162.43	\$ 9.91	\$ 54.00%	\$ 162.43	\$ 9.91

Normal - Aerial Distribution Cables

		DENSITY 651-830	Weighted	Cost	DENSITY 831-2100	Weighted	Cost
None		\$ 54.00%	\$ 162.43	\$ 9.91	\$ 54.00%	\$ 162.43	\$ 9.91
Anchors and Gears		\$ 100.00%	\$ 100.00%	\$ 100.00% \$ 9.91	\$ 100.00%	\$ 100.00% \$ 9.91	\$ 100.00% \$ 9.91
Total		\$ 54.00%	\$ 162.43	\$ 9.91	\$ 54.00%	\$ 162.43	\$ 9.91

## BCCM Structure Inputs

Normal - Buried Distribution Cab

Activity	DENSITY 2551-5000			DENSITY 5001-10000		
	Cost	% Actual	% Budget	Cost	% Actual	% Budget
Flow	\$ 0.10	0.00%	100.00%	\$ 0.10	0.00%	100.00%
Rocky Flow	\$ 0.17	0.00%	100.00%	\$ 0.17	0.00%	100.00%
Trench & Backfill	\$ 0.51	1.00%	100.00%	\$ 0.51	0.00%	100.00%
Rocky Trench	\$ 0.76	0.00%	100.00%	\$ 0.76	0.00%	100.00%
Backhoe Trench	\$ 0.85	19.00%	100.00%	\$ 0.85	19.00%	100.00%
Hand Dig Trench	\$ 1.26	8.00%	100.00%	\$ 1.26	8.00%	100.00%
Bore Cable	\$ 1.82	15.00%	100.00%	\$ 1.82	15.00%	100.00%
Push Pipe & Pull Cable	\$ 1.47	0.00%	100.00%	\$ 1.47	0.00%	100.00%
Cut & Remove Asphalt	\$ 0.92	25.00%	100.00%	\$ 0.92	25.00%	100.00%
Cut & Remove Concrete	\$ 0.83	20.00%	100.00%	\$ 0.83	20.00%	100.00%
Cut & Remove Soil	\$ 0.84	8.00%	100.00%	\$ 0.84	8.00%	100.00%

Normal - Aerial Feeder Cable

Activity	DENSITY 2551-5000			DENSITY 5001-10000		
	Cost	% Actual	% Budget	Cost	% Actual	% Budget
Poles	\$ 162.43	54.00%	\$ 162.43	\$ 162.43	54.00%	\$ 162.43
Ancillary and Gens	\$ 9.91	100.00%	\$ 9.91	\$ 9.91	100.00%	\$ 9.91

Normal - Aerial Distribution Cab

Activity	DENSITY 2551-5000			DENSITY 5001-10000		
	Cost	% Actual	% Budget	Cost	% Actual	% Budget
Poles	\$ 162.43	54.00%	\$ 162.43	\$ 162.43	54.00%	\$ 162.43
Ancillary and Gens	\$ 9.91	100.00%	\$ 9.91	\$ 9.91	100.00%	\$ 9.91

## BCPM Structure Inputs

## Soft Rock Structure

## Soft Rock - Feeder Conduit

			DENSITY 6.5	Volume	Percent	Conc.	DENSITY 6.5	Volume	Percent
Trench & Backfill	\$	2.34	5.00%	97.18%	\$	0.11	0.12	4.00%	97.18% \$ 0.12
Rocky Trench	\$	4.32	29.00%	97.18%	\$	1.22	0.17	37.00%	97.18% \$ 1.61
Backhoe Trench	\$	2.81	52.00%	97.18%	\$	1.42	0.19	45.00%	97.18% \$ 1.31
Hand Dig Trench	\$	5.15	5.00%	97.18%	\$	0.23	0.28	4.00%	97.18% \$ 0.21
Boring	\$	12.05	1.00%	97.18%	\$	0.59	0.40	1.00%	97.18% \$ 0.36
Cat & Rester Asphalt	\$	10.84	1.00%	97.18%	\$	0.11	0.21	2.00%	97.18% \$ 0.21
Cat & Restorer Concrete	\$	11.70	1.00%	97.18%	\$	0.11	0.22	2.00%	97.18% \$ 0.21
Cat & Restorer Soil	\$	4.54	2.00%	97.18%	\$	0.09	0.19	2.00%	97.18% \$ 0.09

## Soft Rock - Distribution Conduit

			DENSITY 6.5	Volume	Percent	Conc.	DENSITY 6.5	Volume	Percent
Trench & Backfill	\$	2.34	8.00%	97.18%	\$	0.18	0.12	8.00%	97.18% \$ 0.18
Rocky Trench	\$	4.32	46.00%	97.18%	\$	1.93	0.17	51.00%	97.18% \$ 2.21
Backhoe Trench	\$	2.81	32.00%	97.18%	\$	0.87	0.19	27.00%	97.18% \$ 0.79
Hand Dig Trench	\$	5.15	5.00%	97.18%	\$	0.23	0.28	5.00%	97.18% \$ 0.26
Boring	\$	12.05	1.00%	97.18%	\$	0.59	0.40	1.00%	97.18% \$ 0.36
Cat & Rester Asphalt	\$	10.84	1.00%	97.18%	\$	0.11	0.21	2.00%	97.18% \$ 0.21
Cat & Restorer Concrete	\$	11.70	1.00%	97.18%	\$	0.11	0.22	2.00%	97.18% \$ 0.21
Cat & Restorer Soil	\$	4.54	2.00%	97.18%	\$	0.09	0.19	2.00%	97.18% \$ 0.09

## Soft Rock - Buried Feeder Cable

			DENSITY 6.5	Volume	Percent	Conc.	DENSITY 6.5	Volume	Percent
Flay	\$	1.15	44.00%	100.00%	\$	0.31	0.02	33.00%	100.00% \$ 0.41
Backhoe Flay	\$	1.39	34.00%	100.00%	\$	0.47	0.04	28.00%	100.00% \$ 0.40
Trench & Backfill	\$	2.34	3.00%	100.00%	\$	0.12	0.12	10.00%	100.00% \$ 0.23
Rocky Trench	\$	4.32	1.00%	100.00%	\$	0.22	0.17	5.00%	100.00% \$ 0.22
Backhoe Trench	\$	2.81	2.00%	100.00%	\$	0.06	0.19	12.00%	100.00% \$ 0.16
Hand Dig Trench	\$	5.15	3.00%	100.00%	\$	0.15	0.23	3.00%	100.00% \$ 0.16
Bore Cable	\$	12.05	1.00%	100.00%	\$	0.12	0.40	1.00%	100.00% \$ 0.12
Push Pipe & Pull Cable	\$	7.00	2.00%	100.00%	\$	0.14	0.33	0.00%	100.00% \$ -
Cat & Restorer Asphalt	\$	10.84	1.00%	100.00%	\$	0.11	0.21	2.00%	100.00% \$ 0.22
Cat & Restorer Concrete	\$	11.70	1.00%	100.00%	\$	0.12	0.18	2.00%	100.00% \$ 0.24
Cat & Restorer Soil	\$	4.54	2.00%	100.00%	\$	0.09	0.19	2.00%	100.00% \$ 0.09

## BCPM Structure Inputs

## Soft Rock Structure

## Soft Rock - Feeder Conduit

		DENSITY 101-200			DENSITY 201-400							
		% Adjust			% Adjust							
Trench & Bedfill	\$	0.24	5.00%	97.18%	1	0.13	5	0.35	15.00%	97.18%	\$	0.39
Rocky Trench	\$	0.34	35.00%	97.18%	3	1.59	5	0.51	33.00%	97.18%	\$	1.53
Rocky Trench	\$	0.38	38.00%	97.18%	3	1.18	5	0.57	30.00%	97.18%	\$	0.66
Mish Dog Trench	\$	0.57	4.00%	97.18%	5	0.22	5	0.85	3.00%	97.18%	\$	0.17
Boring	\$	0.81	1.00%	97.18%	3	0.17	5	1.21	4.00%	97.18%	\$	0.52
Clay & Basalt Asphalt	\$	0.41	5.00%	97.18%	5	0.55	5	0.61	8.00%	97.18%	\$	0.89
Clay & Basalt Concrete	\$	0.41	4.00%	97.18%	5	0.47	5	0.60	7.00%	97.18%	\$	0.84
Clay & Basalt Soil	\$	0.38	6.00%	97.18%	3	0.29	5	0.55	10.00%	97.18%	\$	0.49

## Soft Rock - Distribution Conduit

		DENSITY 101-200			DENSITY 201-400							
		% Adjust			% Adjust							
Trench & Bedfill	\$	0.24	1.00%	97.18%	3	0.20	5	0.35	15.00%	97.18%	\$	0.39
Rocky Trench	\$	0.34	48.00%	97.18%	3	2.17	5	0.51	32.00%	97.18%	\$	1.50
Rocky Trench	\$	0.38	21.00%	97.18%	3	0.65	5	0.57	21.00%	97.18%	\$	0.69
Mish Dog Trench	\$	0.57	5.00%	97.18%	3	0.28	5	0.85	1.00%	97.18%	\$	0.17
Boring	\$	0.81	1.00%	97.18%	3	0.37	5	1.21	4.00%	97.18%	\$	0.52
Clay & Basalt Asphalt	\$	0.41	5.00%	97.18%	3	0.55	5	0.61	8.00%	97.18%	\$	0.89
Clay & Basalt Concrete	\$	0.41	4.00%	97.18%	3	0.47	5	0.60	7.00%	97.18%	\$	0.84
Clay & Basalt Soil	\$	0.38	6.00%	97.18%	3	0.29	5	0.55	10.00%	97.18%	\$	0.49

## Soft Rock - Buried Feeder Cable

		DENSITY 101-200			DENSITY 201-400							
		% Adjust			% Adjust							
Clay	\$	0.05	20.00%	100.00%	3	0.24	5	0.07	5.00%	100.00%	\$	0.06
Rocky Clay	\$	0.08	30.00%	100.00%	3	0.44	5	0.12	13.00%	100.00%	\$	0.20
Trench & Bedfill	\$	0.24	10.00%	100.00%	3	0.26	5	0.35	3.00%	100.00%	\$	0.13
Rocky Trench	\$	0.34	8.00%	100.00%	3	0.37	5	0.51	25.00%	100.00%	\$	1.21
Rocky Trench	\$	0.38	10.00%	100.00%	3	0.32	5	0.57	15.00%	100.00%	\$	0.51
Mish Dog Trench	\$	0.57	5.00%	100.00%	3	0.29	5	0.85	1.00%	100.00%	\$	0.18
Boring	\$	0.81	1.00%	100.00%	3	0.13	5	1.21	4.00%	100.00%	\$	0.55
Pipe & Full Caisse	\$	0.65	1.00%	100.00%	3	0.08	5	0.98	10.00%	100.00%	\$	0.40
Clay & Basalt Asphalt	\$	0.41	3.00%	100.00%	3	0.56	5	0.61	8.00%	100.00%	\$	0.92
Clay & Basalt Concrete	\$	0.37	4.00%	100.00%	3	0.48	5	0.56	7.00%	100.00%	\$	0.86
Clay & Basalt Soil	\$	0.38	6.00%	100.00%	3	0.30	5	0.55	13.00%	100.00%	\$	0.31

## BCPM Structure Inputs

## Soft Rock Structure

Soft Rock - Feeder Conduit

	Density	Avg.	Density	Avg.	Density	Avg.	Density	Avg.
Trench & Backfill	\$ 0.59	2.00%	\$ 97.18%	\$ 0.59	2.00%	\$ 97.18%	\$ 0.59	2.00%
Rocky Trench	\$ 0.84	5.00%	\$ 97.18%	\$ 0.84	5.00%	\$ 97.18%	\$ 0.84	5.00%
Rockbase Trench	\$ 0.95	18.00%	\$ 97.18%	\$ 0.95	18.00%	\$ 97.18%	\$ 0.95	18.00%
Hand Dig Trench	\$ 1.41	8.00%	\$ 97.18%	\$ 1.41	8.00%	\$ 97.18%	\$ 1.41	8.00%
Boring	\$ 2.02	15.00%	\$ 97.18%	\$ 2.02	15.00%	\$ 97.18%	\$ 2.02	15.00%
Cut & Remove Asphalt	\$ 1.02	25.00%	\$ 97.18%	\$ 1.02	25.00%	\$ 97.18%	\$ 1.02	25.00%
Cut & Remove Concrete	\$ 0.97	20.00%	\$ 97.18%	\$ 0.97	20.00%	\$ 97.18%	\$ 0.97	20.00%
Cut & Remove Soil	\$ 0.91	7.00%	\$ 97.18%	\$ 0.91	7.00%	\$ 97.18%	\$ 0.91	7.00%
Cut & Remove Steel	\$ 0.91	10.00%	\$ 97.18%	\$ 0.91	10.00%	\$ 97.18%	\$ 0.91	10.00%

Soft Rock - Distribution Conduit

	Density	Avg.	Density	Avg.	Density	Avg.	Density	Avg.
Trench & Piling	\$ 0.59	2.00%	\$ 97.18%	\$ 0.59	2.00%	\$ 97.18%	\$ 0.59	2.00%
Rocky Trench	\$ 0.84	5.00%	\$ 97.18%	\$ 0.84	5.00%	\$ 97.18%	\$ 0.84	5.00%
Rockbase Trench	\$ 0.95	17.00%	\$ 97.18%	\$ 0.95	17.00%	\$ 97.18%	\$ 0.95	17.00%
Hand Dig Trench	\$ 1.41	8.00%	\$ 97.18%	\$ 1.41	8.00%	\$ 97.18%	\$ 1.41	8.00%
Boring	\$ 2.02	15.00%	\$ 97.18%	\$ 2.02	15.00%	\$ 97.18%	\$ 2.02	15.00%
Cut & Remove Asphalt	\$ 1.02	25.00%	\$ 97.18%	\$ 1.02	25.00%	\$ 97.18%	\$ 1.02	25.00%
Cut & Remove Concrete	\$ 0.97	20.00%	\$ 97.18%	\$ 0.97	20.00%	\$ 97.18%	\$ 0.97	20.00%
Cut & Remove Soil	\$ 0.91	7.00%	\$ 97.18%	\$ 0.91	7.00%	\$ 97.18%	\$ 0.91	7.00%
Cut & Remove Steel	\$ 0.91	10.00%	\$ 97.18%	\$ 0.91	10.00%	\$ 97.18%	\$ 0.91	10.00%

Soft Rock - Buried Feeder Cable

	Density	Avg.	Density	Avg.	Density	Avg.	Density	Avg.
Trench	\$ 0.12	0.00%	\$ 100.00%	\$ 0.12	0.00%	\$ 100.00%	\$ 0.12	0.00%
Trench & Backfill	\$ 0.19	0.00%	\$ 100.00%	\$ 0.19	0.00%	\$ 100.00%	\$ 0.19	0.00%
Rocky Trench	\$ 0.59	2.00%	\$ 100.00%	\$ 0.59	2.00%	\$ 100.00%	\$ 0.59	2.00%
Rockbase Trench	\$ 0.84	5.00%	\$ 100.00%	\$ 0.84	5.00%	\$ 100.00%	\$ 0.84	5.00%
Hand Dig Trench	\$ 0.95	18.00%	\$ 100.00%	\$ 0.95	18.00%	\$ 100.00%	\$ 0.95	18.00%
Boring	\$ 1.41	8.00%	\$ 100.00%	\$ 1.41	8.00%	\$ 100.00%	\$ 1.41	8.00%
Cut & Remove Asphalt	\$ 2.02	15.00%	\$ 100.00%	\$ 2.02	15.00%	\$ 100.00%	\$ 2.02	15.00%
Cut & Remove Concrete	\$ 1.02	25.00%	\$ 100.00%	\$ 1.02	25.00%	\$ 100.00%	\$ 1.02	25.00%
Cut & Remove Soil	\$ 0.97	20.00%	\$ 100.00%	\$ 0.97	20.00%	\$ 100.00%	\$ 0.97	20.00%
Cut & Remove Steel	\$ 0.91	7.00%	\$ 100.00%	\$ 0.91	7.00%	\$ 100.00%	\$ 0.91	7.00%
Cut & Remove Cable	\$ 0.91	10.00%	\$ 100.00%	\$ 0.91	10.00%	\$ 100.00%	\$ 0.91	10.00%
Push Pipe & Pull Cable	\$ 1.63	0.00%	\$ 100.00%	\$ 1.63	0.00%	\$ 100.00%	\$ 1.63	0.00%
Cut & Remove Asphalt	\$ 1.02	25.00%	\$ 100.00%	\$ 1.02	25.00%	\$ 100.00%	\$ 1.02	25.00%
Cut & Remove Concrete	\$ 0.93	20.00%	\$ 100.00%	\$ 0.93	20.00%	\$ 100.00%	\$ 0.93	20.00%
Cut & Remove Soil	\$ 0.91	7.00%	\$ 100.00%	\$ 0.91	7.00%	\$ 100.00%	\$ 0.91	7.00%
Cut & Remove Steel	\$ 0.91	10.00%	\$ 100.00%	\$ 0.91	10.00%	\$ 100.00%	\$ 0.91	10.00%

## BCPM Structure Inputs

## Soft Rock Structure

## Soft Rock - Feeder Conduit

Activity	Cost	Density (ton)	Time	Rate
Trench & Backfill	\$ 0.65	0.00%	97 18%	\$ -
Rocky Trench	\$ 0.91	6.00%	97 18%	\$ 0.11
Backhoe Trench	\$ 1.04	12.00%	97 18%	\$ 0.45
Hand Dig Trench	\$ 1.55	8.00%	97 18%	\$ 0.52
Soil	\$ 2.22	10.00%	97 18%	\$ 1.39
Cut & Remove Asphalt	\$ 1.12	33.00%	97 18%	\$ 3.84
Cut & Remove Concrete	\$ 1.06	28.00%	97 18%	\$ 3.47
Cut & Remove Soil	\$ 1.03	1.00%	97 18%	\$ 0.16

## Soft Rock - Distribution Conduit

Activity	Cost	Density (ton)	Time	Rate
Trench & Backfill	\$ 0.65	0.00%	97 18%	\$ -
Rocky Trench	\$ 0.91	6.00%	97 18%	\$ 0.31
Backhoe Trench	\$ 1.04	12.00%	97 18%	\$ 0.45
Hand Dig Trench	\$ 1.55	8.00%	97 18%	\$ 0.52
Soil	\$ 2.22	10.00%	97 18%	\$ 1.39
Cut & Remove Asphalt	\$ 1.12	33.00%	97 18%	\$ 3.84
Cut & Remove Concrete	\$ 1.06	28.00%	97 18%	\$ 3.47
Cut & Remove Soil	\$ 1.03	1.00%	97 18%	\$ 0.16

## Soft Rock - Buried Feeder Cable

Activity	Cost	Density (ton)	Time	Rate
Push	\$ 0.13	0.00%	100.00%	\$ -
Locally Flow	\$ 0.21	0.00%	100.00%	\$ -
Trench & Backfill	\$ 0.65	0.00%	100.00%	\$ -
Rocky Trench	\$ 0.91	6.00%	100.00%	\$ 0.32
Backhoe Trench	\$ 1.04	12.00%	100.00%	\$ 0.46
Hand Dig Trench	\$ 1.55	8.00%	100.00%	\$ 0.54
Soil	\$ 2.22	10.00%	100.00%	\$ 1.43
Push Pipe & Pull Cable	\$ 1.80	0.00%	100.00%	\$ -
Cut & Remove Asphalt	\$ 1.12	33.00%	100.00%	\$ 3.93
Cut & Remove Concrete	\$ 1.02	28.00%	100.00%	\$ 3.57
Cut & Remove Soil	\$ 1.03	1.00%	100.00%	\$ 0.17

## BCPMI Structure Inputs

Soft Rock - Buried Distribution Cable

Item	Cost per Foot	Density 0.5			Density 6-100		
		Length	% Actual	% Assumed	Weight	Length	% Actual
Flume	\$ 1.13	47.00%	100.00%	1	0.34	0.02	46.00%
Rocky Flume	\$ 1.29	29.00%	100.00%	1	0.40	0.04	24.00%
Trench & Backfill	\$ 2.34	5.00%	100.00%	1	0.12	0.12	10.00%
Rocky Trench	\$ 4.12	4.00%	100.00%	1	0.17	0.17	4.00%
Backhoe Trench	\$ 2.81	2.00%	100.00%	1	0.06	0.19	2.00%
Hand Dig Trench	\$ 5.15	1.00%	100.00%	1	0.15	0.28	1.00%
Base Cable	\$ 12.05	1.00%	100.00%	1	0.12	0.40	1.00%
Pull Pipe & Pull Cable	\$ 7.00	5.00%	100.00%	1	0.35	0.33	0.00%
Cat & Backhoe Augerbit	\$ 10.84	1.00%	100.00%	1	0.11	0.21	2.00%
Cat & Backhoe Chisel	\$ 11.74	1.00%	100.00%	1	0.12	0.18	2.00%
Cat & Backhoe Soil	\$ 4.54	2.00%	100.00%	1	0.09	0.19	2.00%

Soft Rock - Aerial Feeder Cable

Item	Cost per Foot	Density 0.5			Density 6-100		
		Length	% Actual	% Assumed	Weight	Length	% Actual
Flume	\$ 300.30	54.00%	100.00%	1	162.43	\$ 162.43	54.00%
Ancillaries and Gears	\$ 99.10	100.00%	100.00%	1	9.91	\$ 9.91	100.00%

Soft Rock - Aerial Distribution Cable

Item	Cost per Foot	Density 0.5			Density 6-100		
		Length	% Actual	% Assumed	Weight	Length	% Actual
Flume	\$ 300.30	54.00%	100.00%	1	162.43	\$ 162.43	54.00%
Ancillaries and Gears	\$ 99.10	100.00%	100.00%	1	9.91	\$ 9.91	100.00%

## BCPM Structure Inputs

### Soft Rock - Buried Distribution C

Activity	DENSITY 101-200			DENSITY 201-400		
	Cost	Wagehour	Assume	Cost	Wagehour	Assume
Flow	\$ 0.05	~9.00%	100.00%	\$ 0.13	0.07	1.00%
Rocky Pipe	\$ 0.08	30.00%	100.00%	\$ 0.44	0.12	12.00%
Trench & Backfill	\$ 0.24	12.00%	100.00%	\$ 0.31	0.15	5.00%
Rocky Trench	\$ 0.34	8.00%	100.00%	\$ 0.37	0.51	27.00%
Blackbox Trench	\$ 0.18	2.00%	100.00%	\$ 0.06	0.57	16.00%
Hand Dig Trench	\$ 0.57	2.00%	100.00%	\$ 0.11	0.83	1.00%
Steel Cable	\$ 0.81	1.00%	100.00%	\$ 0.13	1.21	4.00%
Push Pipe & Pull Cable	\$ 0.65	1.00%	100.00%	\$ 0.08	0.98	5.00%
Soil & Bentonite Anchors	\$ 0.41	3.00%	100.00%	\$ 0.56	0.61	8.00%
Cr & Rebar Anchors	\$ 0.37	4.00%	100.00%	\$ 0.48	0.56	7.00%
Cr & Rebar Seal	\$ 0.38	6.00%	100.00%	\$ 0.30	0.55	10.00%

### Soft Rock - Aerial Feeder Cable

Activity	DENSITY 101-200			DENSITY 201-400		
	Cost	Wagehour	Assume	Cost	Wagehour	Assume
Aerial	\$ 54.07%	\$ 162.43	\$	\$ 54.07%	\$ 162.43	\$
Airheads and Gens	\$ 100.00%	\$ 9.91	\$	\$ 100.00%	\$ 9.91	\$

### Soft Rock - Aerial Distribution C

Activity	DENSITY 101-200			DENSITY 201-400		
	Cost	Wagehour	Assume	Cost	Wagehour	Assume
Aerial	\$ 34.09%	\$ 162.43	\$	\$ 54.07%	\$ 162.43	\$
Airheads and Gens	\$ 100.00%	\$ 9.91	\$	\$ 100.00%	\$ 9.91	\$

### BCPM Structure Inputs

#### Soft Rock - Buried Distribution C

Activity	Cost	DENSITY 2001-2002		Weighted Average	DENSITY 2001-10000 Averaged Index		Weighted Average	
		% Actual	% Adjusted		% Actual	% Adjusted		
None	\$ 0.12	0.00%	100.00%	\$ 1	0.12	0.00%	100.00%	\$ 1
Rocky River	\$ 0.19	0.00%	100.00%	\$ 1	0.19	0.00%	100.00%	\$ 1
Trench & Backfill	\$ 0.59	2.00%	100.00%	\$ 1	0.59	2.00%	100.00%	\$ 0.06
Soil Cut	\$ 0.84	5.00%	100.00%	\$ 1	0.84	5.00%	100.00%	\$ 0.25
Excavation Trench	\$ 0.95	17.00%	100.00%	\$ 1	0.95	17.00%	100.00%	\$ 0.64
Lead Out Trench	\$ 1.41	8.00%	100.00%	\$ 1	1.41	8.00%	100.00%	\$ 0.52
Iron Cobble	\$ 2.02	15.00%	100.00%	\$ 1	2.11	2.02	15.00%	\$ 2.11
Push Pipe & Pull Cable	\$ 1.63	0.00%	100.00%	\$ 1	1.63	0.00%	100.00%	\$ 1
Cat & Receiver Application	\$ 1.02	25.00%	100.00%	\$ 1	1.02	25.00%	100.00%	\$ 2.97
Cat & Receiver Conversion	\$ 0.93	20.00%	100.00%	\$ 1	0.93	20.00%	100.00%	\$ 2.53
Cat & Backhoe Soil	\$ 0.93	8.00%	100.00%	\$ 1	0.44	\$ 0.93	8.00%	\$ 0.44

#### Soft Rock - Aerial Feeder Cable

Activity	Cost	DENSITY 2001-2002		Weighted Average	DENSITY 2001-10000 Averaged Index		Weighted Average
		% Actual	% Adjusted		% Actual	% Adjusted	
None	\$ 34.09%	\$ 162.43	\$ 9.91	\$ 1	\$ 34.09%	\$ 162.43	\$ 9.91
Anchors and Grout	\$ 100.00%	\$ 1	\$ 1	\$ 1	\$ 100.00%	\$ 1	\$ 100.00%

#### Soft Rock - Aerial Distribution C

Activity	Cost	DENSITY 2001-2002		Weighted Average	DENSITY 2001-10000 Averaged Index		Weighted Average
		% Actual	% Adjusted		% Actual	% Adjusted	
None	\$ 34.09%	\$ 162.43	\$ 9.91	\$ 1	\$ 34.09%	\$ 162.43	\$ 9.91
Anchors and Grout	\$ 100.00%	\$ 1	\$ 1	\$ 1	\$ 100.00%	\$ 1	\$ 100.00%

## BCPM Structure Inputs

Soft Rock - Buried Distribution C

			BURIED DENSITY > 1000	
	Activity	Date	Activity	Total
Flow		\$ 0.13	0.00%	100.00%
Sacky Pile		\$ 0.21	0.00%	100.00%
Trench & Backfill		\$ 0.65	0.00%	100.00%
Excav Trench		\$ 0.93	6.00%	100.00%
Backhoe Trench		\$ 1.04	12.00%	100.00%
Land D&B Trench		\$ 1.55	8.00%	100.00%
Box Cabs		\$ 2.22	10.00%	100.00%
Push Pile & Pull Cables		\$ 1.80	0.00%	100.00%
Soil & Ruster Analysis		\$ 1.12	11.00%	100.00%
Soil & Ruster Checks		\$ 1.62	23.00%	100.00%
Car & Busines Sed		\$ 1.03	1.00%	100.00%

Soft Rock - Aerial Feeder Cable

			AERIAL DENSITY > 1000	
	Activity	Date	Activity	Total
Flow		\$ -	54.00%	\$ 162.43
Excav and Grav		\$ -	100.00%	\$ 9.91

Soft Rock - Aerial Distribution C

			AERIAL DENSITY > 1000	
	Activity	Date	Activity	Total
Flow		\$ -	54.00%	\$ 162.43
Excav and Grav		\$ -	100.00%	\$ 9.91

## BCPM Structure Inputs

## Hard Rock Structure

## Hard Rock - Feeder Conduit

	Cost	Quantity	Cost	Quantity	Cost	Quantity
Trench & Backfill	\$ 3.04	0.00%	\$ 97.18%	\$ 5	0.24	0%
Rocky Trench	\$ 5.33	55.00%	\$ 97.18%	\$ 2.85	0.14	55%
Backhoe Trench	\$ 3.95	34.00%	\$ 97.18%	\$ 1.11	0.37	12%
Hand Dig Trench	\$ 6.84	5.00%	\$ 97.18%	\$ 0.33	0.50	4%
Boring	\$ 14.47	2.00%	\$ 97.18%	\$ 0.28	0.81	3%
Cut & Remove Asphalt	\$ 12.06	1.00%	\$ 97.18%	\$ 0.12	0.41	2%
Cut & Remove Concrete	\$ 12.86	1.00%	\$ 97.18%	\$ 0.12	0.37	2%
Cut & Remove Sod	\$ 3.63	2.00%	\$ 97.18%	\$ 0.11	0.18	2%

## Hard Rock - Distribution Conduit

	Cost	Quantity	Cost	Quantity	Cost	Quantity
Trench & Backfill	\$ 3.04	0.00%	\$ 97.18%	\$ 5	0.24	0%
Rocky Trench	\$ 5.33	50.00%	\$ 97.18%	\$ 2.59	0.34	50%
Backhoe Trench	\$ 3.95	39.00%	\$ 97.18%	\$ 1.50	0.37	37%
Hand Dig Trench	\$ 6.84	5.00%	\$ 97.18%	\$ 0.33	0.56	5%
Boring	\$ 14.47	2.00%	\$ 97.18%	\$ 0.28	0.81	2%
Cut & Remove Asphalt	\$ 12.06	1.00%	\$ 97.18%	\$ 0.12	0.41	1%
Cut & Remove Concrete	\$ 12.86	1.00%	\$ 97.18%	\$ 0.12	0.37	1%
Cut & Remove Sod	\$ 3.63	2.00%	\$ 97.18%	\$ 0.11	0.18	1%

## Hard Rock - Buried Feeder Cable

	Cost	Quantity	Cost	Quantity	Cost	Quantity
Long	\$ 1.79	0.00%	\$ 100.00%	\$ 5	0.37	0.00%
Rocky Pipe	\$ 1.62	55.00%	\$ 100.00%	\$ 0.89	0.09	48.00%
Trench & Backfill	\$ 3.04	5.00%	\$ 100.00%	\$ 0.15	0.24	10.00%
Rocky Trench	\$ 5.33	29.00%	\$ 100.00%	\$ 1.55	0.34	31.00%
Backhoe Trench	\$ 3.95	4.00%	\$ 100.00%	\$ 0.16	0.57	2.00%
Hand Dig Trench	\$ 6.84	1.00%	\$ 100.00%	\$ 0.07	0.51	1.00%
Bore Cable	\$ 14.47	1.00%	\$ 100.00%	\$ 0.14	0.81	1.00%
Push Pipe & Pull Cable	\$ 8.95	1.00%	\$ 100.00%	\$ 0.09	0.65	1.00%
Cut & Remove Asphalt	\$ 12.06	1.00%	\$ 100.00%	\$ 0.12	0.41	2.00%
Cut & Remove Concrete	\$ 12.86	1.00%	\$ 100.00%	\$ 0.13	0.37	2.00%
Cut & Remove Sod	\$ 3.63	2.00%	\$ 100.00%	\$ 0.11	0.18	2.00%

	Cost	Quantity	Cost	Quantity	Cost	Quantity
Trench & Backfill	\$ 3.04	0.00%	\$ 97.18%	\$ 5	0.24	0%
Rocky Trench	\$ 5.33	55.00%	\$ 97.18%	\$ 2.85	0.14	55%
Backhoe Trench	\$ 3.95	34.00%	\$ 97.18%	\$ 1.11	0.37	12%
Hand Dig Trench	\$ 6.84	5.00%	\$ 97.18%	\$ 0.33	0.50	4%
Boring	\$ 14.47	2.00%	\$ 97.18%	\$ 0.28	0.81	3%
Cut & Remove Asphalt	\$ 12.06	1.00%	\$ 97.18%	\$ 0.12	0.41	2%
Cut & Remove Concrete	\$ 12.86	1.00%	\$ 97.18%	\$ 0.12	0.37	2%
Cut & Remove Sod	\$ 3.63	2.00%	\$ 97.18%	\$ 0.11	0.18	2%

## BCPM Structure Inputs

### Hard Rock Structure

#### Hard Rock - Feeder Conduit

Activity	DENSITY 651-850			DENSITY 651-0350		
	Estimated Amount	% Activity	Estimated Volume	Cost Adjustment	% Activity	Estimated Volume
Trench & Backfill	\$ 0.94	0.00%	97.18%	\$ -	\$ 0.94	0.0%
Rocky Trench	\$ 1.35	45.00%	97.18%	\$ 2.92	\$ 1.35	45.0%
Backhoe Trench	\$ 1.51	12.00%	97.18%	\$ 0.64	\$ 1.51	12.0%
Hand Dig Trench	\$ 2.24	6.00%	97.18%	\$ 0.53	\$ 2.24	6.0%
Boring	\$ 3.23	2.00%	97.18%	\$ 0.34	\$ 3.23	2.0%
Cut & Restore Asphalt	\$ 1.63	13.00%	97.18%	\$ 1.73	\$ 1.63	13.0%
Cut & Restore Concrete	\$ 1.49	12.00%	97.18%	\$ 1.67	\$ 1.49	12.0%
Cut & Restore Sod	\$ 1.49	10.00%	97.18%	\$ 0.69	\$ 1.49	10.0%

#### Hard Rock - Distribution Condui

Activity	DENSITY 651-850			DENSITY 651-0350		
	Estimated Amount	% Activity	Estimated Volume	Cost Adjustment	% Activity	Estimated Volume
Trench & Backfill	\$ 0.94	5.00%	97.18%	\$ 0.19	\$ 0.94	5.00%
Rocky Trench	\$ 1.35	32.00%	97.18%	\$ 2.08	\$ 1.35	32.00%
Backhoe Trench	\$ 1.51	10.00%	97.18%	\$ 0.53	\$ 1.51	10.00%
Hand Dig Trench	\$ 2.24	6.00%	97.18%	\$ 0.53	\$ 2.24	6.00%
Boring	\$ 3.23	2.00%	97.18%	\$ 0.34	\$ 3.23	2.00%
Cut & Restore Asphalt	\$ 1.63	13.00%	97.18%	\$ 1.73	\$ 1.63	13.00%
Cut & Restore Concrete	\$ 1.49	12.00%	97.18%	\$ 1.67	\$ 1.49	12.00%
Cut & Restore Sod	\$ 1.49	20.00%	97.18%	\$ 1.39	\$ 1.49	20.00%

#### Hard Rock - Buried Feeder Cable

Activity	DENSITY 651-850			DENSITY 651-0350		
	Estimated Amount	% Activity	Estimated Volume	Cost Adjustment	% Activity	Estimated Volume
Plow	\$ 0.19	0.00%	100.00%	\$ -	\$ 0.19	0.00%
Rocky Plow	\$ 0.31	3.00%	100.00%	\$ 0.06	\$ 0.31	3.00%
Trench & Backfill	\$ 0.94	0.00%	100.00%	\$ -	\$ 0.94	0.00%
Rocky Trench	\$ 1.35	35.00%	100.00%	\$ 2.34	\$ 1.35	35.00%
Backhoe Trench	\$ 1.51	14.00%	100.00%	\$ 0.76	\$ 1.51	14.00%
Hand Dig Trench	\$ 2.19	6.00%	100.00%	\$ 0.54	\$ 2.19	6.00%
Bore Cable	\$ 3.23	2.00%	100.00%	\$ 0.35	\$ 3.23	2.00%
Push Pipe & Pull Cable	\$ 2.61	5.00%	100.00%	\$ 0.58	\$ 2.61	5.00%
Cut & Restore Asphalt	\$ 1.63	13.00%	100.00%	\$ 1.78	\$ 1.63	13.00%
Cut & Restore Concrete	\$ 1.49	12.00%	100.00%	\$ 1.72	\$ 1.49	12.00%
Cut & Restore Sod	\$ 1.49	10.00%	100.00%	\$ 0.71	\$ 1.49	10.00%

## BCPM Structure Inputs

## Hard Rock Structure

## Hard Rock - Feeder Conduit

	Length	Density 2551-9003	Width	Conn.	Density 5001-0003	Length
Trench & Backfill	\$ 1.17	0.00%	97.18%	\$ -	\$ 1.17	0.00%
Rocky Trench	\$ 1.64	15.00%	97.18%	\$ 1.02	\$ 1.64	15.00%
Backhoe Trench	\$ 1.89	10.00%	97.18%	\$ 0.57	\$ 1.89	10.00%
Hand Dig Trench	\$ 2.80	4.00%	97.18%	\$ 0.75	\$ 2.80	4.00%
Boring	\$ 4.04	15.00%	97.18%	\$ 2.70	\$ 4.04	15.00%
Cat & Rester Asphalt	\$ 2.04	25.00%	97.18%	\$ 1.43	\$ 2.04	25.00%
Cat & Rester Concrete	\$ 1.86	20.00%	97.18%	\$ 1.86	\$ 2.04	25.00%
Cat & Rester Soil	\$ 1.85	7.00%	97.18%	\$ 0.51	\$ 1.85	7.00%

## Hard Rock - Distribution Conduit

	Length	Density 2551-9003	Width	Conn.	Density 5001-0003	Length
Trench & Backfill	\$ 1.17	0.00%	97.18%	\$ -	\$ 1.17	0.00%
Rocky Trench	\$ 1.68	14.00%	97.18%	\$ 0.95	\$ 1.68	14.00%
Backhoe Trench	\$ 1.89	10.00%	97.18%	\$ 0.57	\$ 1.89	10.00%
Hand Dig Trench	\$ 2.80	4.00%	97.18%	\$ 0.75	\$ 2.80	4.00%
Boring	\$ 4.04	15.00%	97.18%	\$ 2.70	\$ 4.04	15.00%
Cat & Rester Asphalt	\$ 2.04	25.00%	97.18%	\$ 1.43	\$ 2.04	25.00%
Cat & Rester Concrete	\$ 1.86	20.00%	97.18%	\$ 1.86	\$ 2.04	25.00%
Cat & Rester Soil	\$ 1.85	7.00%	97.18%	\$ 0.51	\$ 1.85	7.00%

## BCPM Structure Inputs

## Hard Rock Structure

## Hard Rock - Feeder Conduit

	Length (ft)	Volume (cu ft)	Area (sq ft)
Trench & Retic	\$ 1.29	0.00%	97.18% \$ -
Rocky Trench	\$ 1.83	10.00%	97.18% \$ 0.70
Rockbox Trench	\$ 2.08	8.00%	97.18% \$ 0.47
Hand Dig Trench	\$ 1.09	8.00%	97.18% \$ 0.77
Boring	\$ 4.45	10.00%	97.18% \$ 1.84
Cut & Retain Asphalt	\$ 2.24	11.00%	97.18% \$ 4.59
Cut & Retain Concrete	\$ 2.05	24.00%	97.18% \$ 4.06
Cut & Retain Soil	\$ 2.05	3.00%	97.18% \$ 0.22

## Hard Rock - Distribution Conduit

	Length (ft)	Volume (cu ft)	Area (sq ft)
Trench & Retic	\$ 1.29	0.00%	97.18% \$ -
Rocky Trench	\$ 1.83	10.00%	97.18% \$ 0.70
Rockbox Trench	\$ 2.08	8.00%	97.18% \$ 0.47
Hand Dig Trench	\$ 1.09	8.00%	97.18% \$ 0.77
Boring	\$ 4.45	10.00%	97.18% \$ 1.84
Cut & Retain Asphalt	\$ 2.24	11.00%	97.18% \$ 4.59
Cut & Retain Concrete	\$ 2.05	24.00%	97.18% \$ 4.06
Cut & Retain Soil	\$ 2.05	3.00%	97.18% \$ 0.22

## Hard Rock - Buried Feeder Cable

	Length (ft)	Volume (cu ft)	Area (sq ft)
Rein	\$ 0.35	0.00%	100.00% \$ -
Rocky Pipe	\$ 0.42	0.00%	100.00% \$ -
Trench & Retic	\$ 1.29	0.00%	100.00% \$ -
Rocky Trench	\$ 1.83	10.00%	100.00% \$ 0.77
Rockbox Trench	\$ 2.08	8.00%	100.00% \$ 0.48
Hand Dig Trench	\$ 1.04	8.00%	100.00% \$ 0.79
Rock Cables	\$ 4.45	10.00%	100.00% \$ 1.89
Push Pipe & Pull Cable	\$ 3.59	0.00%	100.00% \$ -
Cut & Retain Asphalt	\$ 2.24	11.00%	100.00% \$ 4.72
Cut & Retain Concrete	\$ 2.05	24.00%	100.00% \$ 4.17
Cut & Retain Soil	\$ 2.05	3.00%	100.00% \$ 0.23

## BCPM Structure Inputs

### Hard Rock - Buried Distribution

Activity	Duration	DENSITY 101-300			DENSITY 301-500		
		% Activity	% Duration	Probability	Activity	Duration	Probability
None	-	0.09	0.00%	100.00%	\$	0.14	0.00%
Rocky Hill	\$	0.15	40.00%	100.00%	\$	0.21	0.23
Trench & Backfill	\$	0.47	7.00%	100.00%	\$	0.23	0.70
Rocky Trench	\$	0.67	12.00%	100.00%	\$	1.92	1.01
Backhoe Trench	\$	0.75	2.00%	100.00%	\$	0.09	1.11
Hand Dig Trench	\$	1.87	2.00%	100.00%	\$	0.16	1.63
Blower	\$	1.62	1.00%	100.00%	\$	0.16	2.43
Blower Cable	\$	1.31	1.00%	100.00%	\$	0.10	1.96
Pneu Pipe & Pull Cable	\$	0.82	5.00%	100.00%	\$	0.04	1.22
Cat & Roster Ambush	\$	0.74	4.00%	100.00%	\$	0.54	1.11
Cat & Roster Concrete	\$	0.75	6.00%	100.00%	\$	0.18	7.00%
Cat & Roster Soil	\$	-	-	-	\$	1.11	10.00%
Total	\$	-	-	-	\$	1.11	100.00%

### Hard Rock - Aerial Feeder Cable

Activity	Duration	DENSITY 101-300			DENSITY 301-500		
		% Activity	% Duration	Probability	Activity	Duration	Probability
None	-	-	-	-	\$	-	-
Excavator and Grader	\$	-	-	-	\$	-	-
Excavator and Grader	\$	-	-	-	\$	-	-
Total	\$	-	-	-	\$	-	-

### Hard Rock - Aerial Distribution

Activity	Duration	DENSITY 101-300			DENSITY 301-500		
		% Activity	% Duration	Probability	Activity	Duration	Probability
None	-	-	-	-	\$	-	-
Excavator and Grader	\$	-	-	-	\$	-	-
Excavator and Grader	\$	-	-	-	\$	-	-
Total	\$	-	-	-	\$	-	-

### BCPM Structure Inputs

#### Hard Rock - Buried Distributions

CODE	DESCRIPTION	COST	% ACTIVITY	DENSITY (651,450)	WEIGHTED	UNITS	% ACTIVITY	DENSITY (2,123,532)	WEIGHTED	UNITS
Phone		\$ 0.19	0%	100%	\$ 0	'	0.19	0.00%	100.00%	\$ 0
Drill & Power		\$ 0.31	3.00%	100.00%	\$ 0.06	'	0.31	1.00%	100.00%	\$ 0.06
Trench & Backfill		\$ 0.94	0.00%	100.00%	\$ 0	'	0.94	0.00%	100.00%	\$ 0
Block Trench		\$ 1.35	27.00%	100.00%	\$ 1.80	'	1.35	27.00%	100.00%	\$ 1.80
Excavate Trench		\$ 1.51	12.00%	100.00%	\$ 0.66	'	1.51	12.00%	100.00%	\$ 0.66
Blind Drg Trench		\$ 2.19	6.00%	100.00%	\$ 0.54	'	2.19	6.00%	100.00%	\$ 0.54
Bore Cable		\$ 3.23	2.00%	100.00%	\$ 0.35	'	3.23	2.00%	100.00%	\$ 0.35
Push Pipe & Pull Cable		\$ 2.61	5.00%	100.00%	\$ 0.58	'	2.61	5.00%	100.00%	\$ 0.58
Drill & Remove Asphalt		\$ 1.63	13.00%	100.00%	\$ 1.78	'	1.63	13.00%	100.00%	\$ 1.78
Drill & Remove Concrete		\$ 1.49	12.00%	100.00%	\$ 1.72	'	1.49	12.00%	100.00%	\$ 1.72
Drill & Remove Soil		\$ 1.49	20.00%	100.00%	\$ 1.43	'	1.49	20.00%	100.00%	\$ 1.43

#### Hard Rock - Aerial Feeder Cable

CODE	DESCRIPTION	COST	% ACTIVITY	DENSITY (651,450)	WEIGHTED	UNITS	% ACTIVITY	DENSITY (2,123,532)	WEIGHTED	UNITS		
Asph		\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91
Asph and Gravel		\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91

#### Hard Rock - Aerial Distribution

CODE	DESCRIPTION	COST	% ACTIVITY	DENSITY (651,450)	WEIGHTED	UNITS	% ACTIVITY	DENSITY (2,123,532)	WEIGHTED	UNITS		
Asph		\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91
Asph and Gravel		\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91	'	\$ 55.59%	\$ 117.30	\$ 9.91

## BCPM Structure Inputs

**Hard Rock - Buried Distributions**

Category	Density 2501-5000			Density 5001-10000		
	Cost	% Activity	Weighted Average	Cost	% Activity	Weighted Average
Flow	\$ 0.23	0.00%	\$ 0.00%	\$ 0.23	0.00%	\$ 0.00%
Rocky Flow	\$ 0.38	0.00%	\$ 0.00%	\$ 0.38	0.00%	\$ 0.00%
Trench & Backfill	\$ 1.17	0.00%	\$ 0.00%	\$ 1.17	0.00%	\$ 0.00%
Rocky Trench	\$ 1.68	14.00%	\$ 0.00%	\$ 1.68	14.00%	\$ 0.00%
Excavation Trench	\$ 1.89	10.00%	\$ 0.00%	\$ 1.89	10.00%	\$ 0.00%
Flood Dig Trench	\$ 2.73	8.00%	\$ 0.00%	\$ 2.73	8.00%	\$ 0.00%
Bore Cables	\$ 4.04	15.00%	\$ 0.00%	\$ 4.04	15.00%	\$ 0.00%
Push Pipe & Pull Cable	\$ 3.27	0.00%	\$ 0.00%	\$ 3.27	0.00%	\$ 0.00%
Cat & Backhoe Asphalt	\$ 2.04	23.00%	\$ 0.00%	\$ 2.04	23.00%	\$ 0.00%
Cat & Backhoe Concrete	\$ 1.86	20.00%	\$ 0.00%	\$ 1.86	20.00%	\$ 0.00%
Cat & Backhoe Sand	\$ 1.85	8.00%	\$ 0.00%	\$ 1.85	8.00%	\$ 0.00%

**Hard Rock - Aerial Feeder Cable**

Category	Density 2501-5000			Density 5001-10000		
	Cost	% Activity	Weighted Average	Cost	% Activity	Weighted Average
Aerial	\$ 55.59%	\$ 317.30	\$ 0.00%	\$ 55.59%	\$ 317.30	\$ 0.00%
Airborne and Ozone	\$ 100%	\$ 9.91	\$ 0.00%	\$ 100%	\$ 9.91	\$ 0.00%

**Hard Rock - Aerial Distribution**

Category	Density 2501-5000			Density 5001-10000		
	Cost	% Activity	Weighted Average	Cost	% Activity	Weighted Average
Aerial	\$ 55.59%	\$ 317.30	\$ 0.00%	\$ 55.59%	\$ 317.30	\$ 0.00%
Airborne and Ozone	\$ 100%	\$ 9.91	\$ 0.00%	\$ 100%	\$ 9.91	\$ 0.00%

## BCPM Structure Inputs

## Hard Rock - Buried Distribution

			DENSITY >1000		
	Length	Volume	Weight	Length	Volume
None	\$	0.25	0%	100%	\$
Tinley Pipe	\$	0.42	0.00%	100.00%	\$
Trench & Buttress	\$	1.29	0.00%	100.00%	\$
Rocky Trench	\$	1.83	10.00%	100.00%	\$
Blackbox Trench	\$	2.08	8.00%	100.00%	\$
Hard D.R. Trench	\$	3.04	8.00%	100.00%	\$
Roof Cable	\$	4.45	10.00%	100.00%	\$
Push Pipe & Pull Cable	\$	3.59	0.00%	100.00%	\$
Drill & Blast Reinforcement	\$	2.24	31.00%	100.00%	\$
Ort & Boston Concrete	\$	2.05	24.00%	100.00%	\$
Ort & Boston Soil	\$	2.05	3.00%	100.00%	\$

## Hard Rock - Aerial Feeder Cable

			DENSITY >1000		
	Length	Volume	Weight	Length	Volume
None	\$	0.25	0%	100%	\$
Archives and Gyrus	\$	-	-	55.59%	\$

## Hard Rock - Aerial Distribution 4

			DENSITY >1000		
	Length	Volume	Weight	Length	Volume
None	\$	0.25	0%	100%	\$
Archives and Gyrus	\$	-	-	55.59%	\$

## BCPM Manhole Inputs

## Manhole Inputs

## Normal - Manhole

	DENSITY 101-200		DENSITY 201-650	
	Conc.	Volume	Conc.	Volume
Manhole 3x3 or 4x5	97.18%	\$ 4,215.90	97.18%	\$ 4,215.90
Manhole 4x6x7	97.18%	\$ 6,903.51	97.18%	\$ 6,903.51
Manhole 12x6x7	97.18%	\$ 7,944.07	97.18%	\$ 7,944.07
Alder 12x6x7	97.18%	\$ 3,206.94	97.18%	\$ 3,206.94
Concrete Per Duct Post	97.18%	\$ 0.59	97.18%	\$ 0.59

## Soft Rock - Manhole

	DENSITY 101-300		DENSITY 201-650	
	Conc.	Volume	Conc.	Volume
Manhole 3x3 or 4x5	97.18%	\$ 4,215.90	97.18%	\$ 4,215.90
Manhole 4x6x7	97.18%	\$ 6,903.51	97.18%	\$ 6,903.51
Manhole 12x6x7	97.18%	\$ 7,944.07	97.18%	\$ 7,944.07
Alder 12x6x7	97.18%	\$ 3,401.30	97.18%	\$ 3,401.30
Concrete Per Duct Post	97.18%	\$ 0.59	97.18%	\$ 0.59

## Hard Rock - Manhole

	DENSITY 101-300		DENSITY 201-650	
	Conc.	Volume	Conc.	Volume
Manhole 3x5 or 4x6	97.18%	\$ 3,267.31	97.18%	\$ 3,267.31
Manhole 4x6x7	97.18%	\$ 8,480.63	97.18%	\$ 8,480.63
Manhole 12x6x7	97.18%	\$ 13,201.12	97.18%	\$ 13,201.12
Alder 12x6x7	97.18%	\$ 3,595.66	97.18%	\$ 3,595.66
Concrete Per Duct Post	97.18%	\$ 0.59	97.18%	\$ 0.59

## BCPM ManHole Inputs

## Manhole Inputs

## Normal - Manhole

	Dens.	Cost	% Error	Cost	% Error
Manhole 3x5 or 4x6	97.18%	\$ 4,215.90		97.18%	\$ 4,215.90
Manhole 4x6x7	97.18%	\$ 6,903.51		97.18%	\$ 6,903.51
Manhole 12x6x7	97.18%	\$ 7,944.07		97.18%	\$ 7,944.07
Alder 12x6x7	97.18%	\$ 1,306.94		97.18%	\$ 1,306.94
Conduit Per Duct Foot	97.18%	\$ 0.59		97.18%	\$ 0.59

## Soft Rock - Manhole

	Dens.	Cost	% Error	Cost	% Error
Manhole 3x5 or 4x6	97.18%	\$ 4,215.90		97.18%	\$ 4,215.90
Manhole 4x6x7	97.18%	\$ 6,903.51		97.18%	\$ 6,903.51
Manhole 12x6x7	97.18%	\$ 7,944.07		97.18%	\$ 7,944.07
Alder 12x6x7	97.18%	\$ 1,306.94		97.18%	\$ 1,306.94
Conduit Per Duct Foot	97.18%	\$ 0.59		97.18%	\$ 0.59

## Hard Rock - Manhole

	Dens.	Cost	% Error	Cost	% Error
Manhole 3x5 or 4x6	97.18%	\$ 5,267.31		97.18%	\$ 5,267.31
Manhole 4x6x7	97.18%	\$ 8,480.63		97.18%	\$ 8,480.63
Manhole 12x6x7	97.18%	\$ 13,201.12		97.18%	\$ 13,201.12
Alder 12x6x7	97.18%	\$ 1,595.66		97.18%	\$ 1,595.66
Conduit Per Duct Foot	97.18%	\$ 0.59		97.18%	\$ 0.59

## BCPM ManHole Inputs

## Manhole Inputs

## Normal - Manhole

	DENSITY 5001-5000			DENSITY 5001-10000		
	Unit	Code	Value	Unit	Code	Value
Hendrie 3x3 or 4x5			97.18%	\$	4,215.90	
Manhole 4x6x7			97.18%	\$	6,903.51	
Manhole 12x6x7			97.18%	\$	7,944.07	
Abdler 12x6x7			97.18%	\$	1,206.94	
Cookdale Pier Deck Roof			97.18%	\$	0.59	

## Soft Rock - Manhole

	DENSITY 5001-5000			DENSITY 5001-10000		
	Unit	Code	Value	Unit	Code	Value
Hendrie 3x3 or 4x5			97.18%	\$	4,215.90	
Manhole 4x6x7			97.18%	\$	6,903.51	
Manhole 12x6x7			97.18%	\$	7,944.07	
Abdler 12x6x7			97.18%	\$	1,401.30	
Cookdale Pier Deck Roof			97.18%	\$	0.59	

## Hard Rock - Manhole

	DENSITY 5001-5000			DENSITY 5001-10000		
	Unit	Code	Value	Unit	Code	Value
Hendrie 3x3 or 4x5			97.18%	\$	5,257.31	
Manhole 4x6x7			97.18%	\$	8,480.63	
Manhole 12x6x7			97.18%	\$	13,201.12	
Abdler 12x6x7			97.18%	\$	3,595.66	
Cookdale Pier Deck Roof			97.18%	\$	0.59	

## BCPM ManHole Inputs

## Manhole Inputs

## Normal - Manhole

	Quantity	Unit	Total Cost
Hole 3x5 or 4x5	97.18%	\$ 4,215.90	
Manhole 4x6x7	97.18%	\$ 6,901.51	
Manhole 12x6x7	97.18%	\$ 7,944.07	
Adder 12x6x7	97.18%	\$ 3,206.94	
Costs Per Duct Foot	97.18%	\$ 0.59	

## Soft Rock - Manhole

	Quantity	Unit	Total Cost
Hole 3x5 or 4x5	97.18%	\$ 4,215.90	
Manhole 4x6x7	97.18%	\$ 6,901.51	
Manhole 12x6x7	97.18%	\$ 7,944.07	
Adder 12x6x7	97.18%	\$ 3,401.30	
Costs Per Duct Rock	97.18%	\$ 0.59	

## Hard Rock - Manhole

	Quantity	Unit	Total Cost
Hole 3x5 or 4x5	97.18%	\$ 3,267.31	
Manhole 4x6x7	97.18%	\$ 8,480.53	
Manhole 12x6x7	97.18%	\$ 13,201.12	
Adder 12x6x7	97.18%	\$ 3,595.66	
Costs Per Duct Rock	97.18%	\$ 0.59	

## BCPM Spacing Inputs

### Spacing Tables

**Feeder Spacing Table**

Density	In Feet			Relative Value Units
	Minimum Spanning	Pole Spacing	Guy Spacing	
0	750	175	1750	10.00
6	750	175	1750	10.00
101	750	175	1750	10.00
201	750	175	1750	10.00
651	750	175	1750	10.00
851	750	175	1750	10.00
2551	750	175	1750	10.00
5001	750	175	1750	10.00
10001	750	175	1750	10.00

**Distribution Spacing Table**

Density	In Feet			Relative Value Units
	Minimum Spanning	Pole Spacing	Guy Spacing	
0	750	175	1750	10.00
6	750	175	1750	10.00
101	750	175	1750	10.00
201	750	175	1750	10.00
651	750	175	1750	10.00
851	750	175	1750	10.00
2551	750	175	1750	10.00
5001	750	175	1750	10.00
10001	750	175	1750	10.00

## BCPM Loop Percent Table Inputs

Fiber Plant Mix Table (Transport)

Normal Terrain - Transport		
Density	Unpopulated %	Autos %
0	10.00%	80.00%
6	15.00%	77.00%
101	20.00%	74.00%
201	25.00%	70.00%
651	30.00%	47.00%
851	75.00%	1.00%
2351	85.00%	0.00%
5001	85.00%	0.00%
10001	95.00%	0.00%

Soft Rock Terrain - Transport		
Density	Unpopulated %	Autos %
0	10.00%	80.00%
6	15.00%	77.00%
101	20.00%	6.00%
201	25.00%	5.00%
651	30.00%	1.00%
851	75.00%	1.00%
2351	85.00%	0.00%
5001	85.00%	0.00%
10001	95.00%	0.00%

Hard Rock Terrain - Transport		
Density	Unpopulated %	Autos %
0	5.00%	45.00%
6	10.00%	40.00%
101	15.00%	35.00%
201	25.00%	50.00%
651	35.00%	25.00%
851	60.00%	20.00%
2351	80.00%	10.00%
5001	85.00%	5.00%
10001	95.00%	0.00%

Average Number of Housing Units Per Dwelling For Each Census Data Range

Density		
0	1	2
2	2	2
3-4	3	3
5-9	7	7
10-19	15	15
20-49	35	35
>50	55	55
Other	1	1

Density Cable Sizing Factor Table

Density		
0	1	2
0	79.00%	100.00%
6	79.00%	100.00%
101	77.00%	100.00%
201	66.00%	100.00%
651	59.00%	100.00%
851	64.00%	100.00%
2351	50.00%	100.00%
5001	50.00%	100.00%
10001	50.00%	100.00%

## BCPM Loop Percent Table Inputs

DensityHbTable

Facility ID	Facility Name	Per Month Units	Per Month Income	Last period Total
0	96.00%	2.80	4.00%	97.41%
6	93.90%	3.20	6.10%	95.81%
101	89.00%	4.50	11.00%	91.44%
201	83.40%	5.20	16.60%	86.59%
651	74.20%	5.70	23.80%	78.71%
851	74.30%	5.70	23.80%	78.71%
2351	59.40%	5.90	40.60%	66.26%
5001	59.40%	7.10	40.60%	63.12%
10001	22.00%	7.10	78.00%	32.99%

Structure Allocation Table (Percent of Structure Assigned to Facility)

Category	Allocation
0	50.00%
200	50.00%
500	50.00%
2400	50.00%
4200	50.00%
>4200	75.00%

Voice Grade Ratio Table

Category	Allocation
0	100.00%
2017	65.00%
10000	50.00%
20000	75.00%

## BCPM DLC & Electronic Inputs

### DLC & Electronic Costs

**Digital Loop Carrier Remote System Cost Table**

Number of Lines	Per Line Cost					Per Line Cost for each service available				
	AD	SD	ESD	ESI	OLC	AD	SD	ESD	ESI	OLC
0	\$ 19,120.17	\$ 94.00	\$ 5	\$ 5	\$ 5	\$ 19,120.17	\$ 94.00	\$ 5	\$ 5	\$ 5
23	\$ 19,203.96	\$ 94.00	\$ 5	\$ 5	\$ 5	\$ 19,203.96	\$ 94.00	\$ 5	\$ 5	\$ 5
49	\$ 23,789.75	\$ 94.00	\$ 5	\$ 5	\$ 5	\$ 23,789.75	\$ 94.00	\$ 5	\$ 5	\$ 5
97	\$ 23,886.56	\$ 94.00	\$ 5	\$ 5	\$ 5	\$ 23,886.56	\$ 94.00	\$ 5	\$ 5	\$ 5
121	\$ 37,591.12	\$ 94.00	\$ 5	\$ 5	\$ 5	\$ 37,591.12	\$ 94.00	\$ 5	\$ 5	\$ 5
193	\$ 37,573.22	\$ 94.00	\$ 5	\$ 5	\$ 5	\$ 37,573.22	\$ 94.00	\$ 5	\$ 5	\$ 5
241	\$ 64,291.00	\$ 89.11	\$ 5	\$ 5	\$ 5	\$ 64,291.00	\$ 89.11	\$ 5	\$ 5	\$ 5
385	\$ 68,377.00	\$ 89.11	\$ 5	\$ 5	\$ 5	\$ 68,377.00	\$ 89.11	\$ 5	\$ 5	\$ 5
673	\$ 96,859.00	\$ 89.11	\$ 5	\$ 5	\$ 5	\$ 96,859.00	\$ 89.11	\$ 5	\$ 5	\$ 5
1345	\$ 165,236.00	\$ 89.11	\$ 5	\$ 5	\$ 5	\$ 165,236.00	\$ 89.11	\$ 5	\$ 5	\$ 5

**DLC COT Investment Table**

Number of Lines	Per Line Cost				
	AD	SD	ESD	ESI	OLC
0	\$ 11,288.16				
2	\$ 11,749.40				
49	\$ 12,711.57				
97	\$ 13,192.71				
121	\$ 14,808.60				
193	\$ 15,770.87				
241	\$ 22,176.00				
385	\$ 22,176.00				
673	\$ 22,176.00				
1345	\$ 26,881.00				

### Ring Size Table

Topo#	DSD#	DS#	DS#(OC)	POES	Wavelength Threshold	Throughput	SIZE	DSD CAP
1	24	28		3	57.5%	0	OC3	2016
1	24	28		12	57.5%	49	OC12	8064
1	24	28		24	57.5%	194	OC12x2	16128
1	24	28		48	57.5%	387	OC48	32256
1	24	28		96	57.5%	773	OC48X2	64512
1	24	28		144	57.5%	1546	OC48X3	96768
1	24	28		192	57.5%	2319	OC48X4	129024
1	24	28		240	57.5%	3092	OC48X5	161280
1	24	28		288	57.5%	3864	OC48X6	193536
1	24	28		336	57.5%	4637	OC48X7	225792
1	24	28		384	57.5%	5410	OC48X8	258048
1	24	28		432	57.5%	6183	OC48X9	290304
1	24	28		480	57.5%	6956	OC48X10	322560

2 Varies  
2 Varies  
1 84  
1 28  
1 1  
1 336  
1 84  
1 84  
1 1344  
1 84  
1 84  
1 448  
1 28  
1 56  
1 2  
1 0.041667  
2 NA  
2 NA  
2 NA

## Transport Inputs

Variable	Value	Description
<b>Transport</b>		
MaxNodes	8	Maximum number of nodes on a ring
ARFactor	1.410	Air to Route Factor
LTFactor	6	Access line to DSO trunk factor associated with host remote links
TTFactor	10	Access line to DSO trunk factor associated with host tandem trunks
SPFactor	5.0%	% special access circuits to the number of exchange access lines.
RepeaterDist	40	Maximum Repeater spacing (miles)
MOUPerDS1	216,000	MOU per DS1
RDSwitch	N	Does a two point ('folded') ring use separate routing for the two sides
EASPer	25.00%	Percent of interoffice MOUs that are EAS
CLLIMatch	7	Used to identify 'like' tandems
<b>Fiber Factors</b>		
MEAerialFiber	75.00%	Mileage Equipment Aerial Fiber (per fiber mile)
MEUndergroundFiber	75.00%	Mileage Equipment Underground Fiber (per fiber mile)
MEBuriedFiber	75.00%	Mileage Equipment Buried Fiber (per fiber mile)
FiberPoleFactor	0.23	Fiber Pole Factor
FiberConduitFactor	0.45	Fiber Conduit Factor
PowerAndEquipmentFactor	0.06	Miscellaneous Equipment & Power Factor
SheathSharingFactor	0.68	Sheath Sharing Factor
TwoPointSheathSharingFactor	0.5	Two Point Sheath Sharing Factor
FiberMixAerial	5.00%	Fiber Mix - Aerial
FiberMixUnderground	30.00%	Fiber Mix - Undeerground
FiberMixBuried	65.00%	Fiber Mix - Buried

## BCPM Miscellaneous Inputs

### Miscellaneous Inputs

Variable	Value	Description
<b>Cable &amp; Wire Inputs</b>		
PairsPerHousingUnit	2	Distribution pairs per residential housing unit
PairsPerBusinessLocation	6	Minimum number of pairs per business location
MaxSurfPDI	4200	Maximum Side Feeder Distribution Interface Cabinet (Ciena Connect)
MaxFiberSize	248	Maximum Fiber Cable Size
MaxFeederSize	4,200	Maximum Copper Feeder Cable Size
MaxDistSize	3600	Maximum Copper Distribution Cable Size
OptMaxDist	12,000	Maximum length of copper cable in the CBO distribution area
FiberCableDiscount	0.00%	Fiber Cable Discount %
CopperCableDiscount	0.00%	Copper Cable Discount %
InvLoopCap	10,000	Loop Investment Cap Expense
BreakPoint	12,000	Cable Break Point
<b>Terrain Inputs and Surface Impacts</b>		
CriticalWaterDepth	3	Depth in feet at which water impacts placement costs
WaterFactor	30.0	% Cost increase for presence of water within critical depth
NewTerrainTrigger	5	Value that triggers new terrain variable multiplier
NewTerrainFactor	1	Cost multiplier when new terrain variable exceeds trigger point
MinSlopeTrigger	12	Point at which minimum slope effects placement distance
MinSlopeFactor	1.10	Change in distance due to increased average slope
MaxSlopeTrigger	30	Point where presence of very high slope causes yet more cable distance
MaxSlopeFactor	1.05	Change in distance due to a maximum only slope presence
ConcSlopeFactor	1.20	Secondary change in distance due to substantial slope presence
<b>Census Data Inputs - State Specific</b>		
BusinessPerInn	10	Average Number of Business lines per location
<b>Trench Depth</b>		
NormalUKUBurkCover	30.00	Minimum Cover Depth in inches for Buried/Underground Copper Cable
NormalFiberCover	48.00	Minimum Cover Depth in inches for Buried/Underground Fiber

## BCPM Expense Inputs

### Expense Inputs

Aggregate Support Inputs	
Aggregate Support Level at:	\$ 20.00
Aggregate Support Level at:	\$ 30.00
Aggregate Support Level at:	\$ 31.00
Aggregate Support Level at:	\$ 50.00
Aggregate Support Level at:	\$ 60.00
Aggregate Support Level at:	\$ 70.00
Aggregate Support Level at:	\$ 80.00

### Support and Expense Factors for Tier 1 Companies

#### Support Ratio Table

		Support Assets	
6112 Motor Vehicle		1.002%	1.002%
6114 Special Purpose Vehicles		0.000%	0.000%
6115 Garage Work Equipment		0.038%	0.038%
6116 Other Work Equipment		0.666%	0.666%
6122 Furniture		0.275%	0.275%
61213 Office Support		1.849%	1.849%
6124 General Purpose Computers		2.132%	2.132%
Total Support Ratio		5.962%	5.962%

## BCPM Expense Inputs

### Per Line Monthly Operating Expenses for Small, Medium and Large Companies

**Residence Expense Table**

Cost Element	USOAR App. Unit	Fixed Cost per Line			Residential		
		Small	Medium	Large	Small	Medium	Large
Network Support Expense	6110	\$ 0.09	\$ 0.09	\$ 0.09	0.0000	0.0000	0.0000
General Support	6120	\$ 1.95	\$ 1.95	\$ 1.95	N/A	N/A	N/A
COE Switching	6210	\$ -	\$ -	\$ -	0.0813	0.0813	0.0813
COE Transmission	6230	\$ -	\$ -	\$ -	0.0094	0.0094	0.0094
Information Orig/Term	6310	\$ -	\$ -	\$ -	N/A	N/A	N/A
Poles	6411	\$ -	\$ -	\$ -	0.0027	0.0027	0.0027
Aerial Copper Cable	6421.1	\$ -	\$ -	\$ -	0.0434	0.0434	0.0434
Aerial Fiber Cable	6421.2	\$ -	\$ -	\$ -	0.0083	0.0083	0.0083
Underground Copper Cable	6422.1	\$ -	\$ -	\$ -	0.0034	0.0034	0.0034
Underground Fiber Cable	6422.2	\$ -	\$ -	\$ -	0.0020	0.0020	0.0020
Buried Copper Cable	6423.1	\$ -	\$ -	\$ -	0.0288	0.0288	0.0288
Buried Fiber Cable	6423.2	\$ -	\$ -	\$ -	0.0087	0.0087	0.0087
Conduit Investment System	6441	\$ -	\$ -	\$ -	0.0010	0.0010	0.0010
Other Property Plant	6510	\$ 0.02	\$ 0.02	\$ 0.02	0.0000	0.0000	0.0000
Network Operations	6530	\$ 1.75	\$ 1.75	\$ 1.75	0.0000	0.0000	0.0000
Marketing	6610	\$ 1.08	\$ 1.08	\$ 1.08	N/A	N/A	N/A
Services	6620	\$ 2.33	\$ 2.33	\$ 2.33	N/A	N/A	N/A
Executive and Planning	6710	\$ 0.16	\$ 0.16	\$ 0.16	N/A	N/A	N/A
General and Administrative	6720	\$ 2.27	\$ 2.27	\$ 2.27	N/A	N/A	N/A
Uncollectibles	6790	\$ 0.95	\$ 0.95	\$ 0.95	N/A	N/A	N/A
Total Expense	Per Line Expense	\$ 10.59	\$ 10.59	\$ 10.59			

**BCPM State Specific Inputs**  
**State Information Table**

State ID	Rate	Rate of Change	Policy Across	Gross Ratepayers Total
AK	1.0949	0.2833	0.1300	3.90%
AL	1.0875	0.1383	0.1300	3.90%
AR	1.0051	0.1663	0.1300	3.90%
AZ	1.1242	0.0546	0.1300	3.90%
CA	1.1714	0.5358	0.1300	3.90%
CO	1.1474	0.0662	0.1300	3.90%
CT	1.1036	0.0898	0.1300	3.90%
DC	1.2661	0.0101	0.1300	3.90%
DE	1.2074	0.0734	0.1300	3.90%
FL	1.2106	0.1622	0.0955	2.50%
GA	1.1078	0.0768	0.1300	3.90%
HI	1.1897	0.5726	0.1300	3.90%
IA	1.0507	0.1579	0.1300	3.90%
ID	1.0843	0.1541	0.1300	3.90%
IL	1.1048	0.1390	0.1300	3.90%
IN	1.0647	0.1558	0.1300	3.90%
KS	1.0713	0.0763	0.1300	3.90%
KY	1.0301	0.2227	0.1300	3.90%
LA	1.1114	0.0938	0.1300	3.90%
MA	1.2348	0.6106	0.1300	3.90%
MD	1.1504	0.0547	0.1300	3.90%
ME	1.2046	0.6274	0.1300	3.90%
MI	1.1449	0.1638	0.1300	3.90%
MN	1.1057	0.0512	0.1300	3.90%
MO	1.0870	0.1574	0.1300	3.90%
MS	0.9969	0.1484	0.1300	3.90%
MT	1.0552	0.1272	0.1300	3.90%
NC	1.1246	0.1839	0.1300	3.90%
ND	1.1643	0.1013	0.1300	3.90%
NE	1.0774	0.1757	0.1300	3.90%
NH	1.2532	0.6936	0.1300	3.90%
NJ	1.3210	0.0622	0.1300	3.90%
NM	1.0349	0.1235	0.1300	3.90%
NV	1.1758	0.5024	0.1300	3.90%
NY	1.2039	0.5678	0.1300	3.90%
OH	1.0709	0.1627	0.1300	3.90%
OK	1.0375	0.1268	0.1300	3.90%
OR	1.0787	0.1639	0.1410	0.00%
PA	1.1366	0.1048	0.1300	3.90%
PR	1.1206	0.2051	0.1300	3.90%
RI	1.1714	0.6603	0.1300	3.90%
SC	1.0860	0.1554	0.1300	3.90%
SD	1.0447	0.1049	0.1300	3.90%
TN	1.1409	0.1031	0.1300	3.90%
TX	1.0878	0.1187	0.1300	3.90%
UT	1.1545	0.0624	0.1300	3.90%
VA	1.0912	0.1077	0.1300	3.90%
VT	1.2110	0.5668	0.1300	3.90%
WA	1.0967	0.1501	0.1300	3.90%
WI	1.1265	0.1226	0.1300	3.90%
WV	0.9939	0.1188	0.1300	3.90%
WY	1.0555	0.0687	0.1300	3.90%
FR	1.1206	0.2051	0.13	0.039

## BCPM Capital Costs Inputs

### Capital Cost Inputs

	Economic Life (years)	True Life (years)	Future Net Salvage Value (%)	Survival Curve	Compound C	Compound G	Compound S
Land	0	0	0%	Square Life	0.00000000	0.00000000	0.00000000
Motor Vehicle	8	5	10%	CG&S	1.36885980	-0.01372330	0.00357234
Special Purpose Vehicles	10	5	0%	CG&S	1.39000000	-0.03578191	0.02459161
Garage Work	10	5	0%	CG&S	1.02766470	-5.71031270	0.14552408
Other Work	10	5	0%	CG&S	1.02766470	-5.71031270	0.14552408
Building	30	30	0%	CG&S	1.18428730	-0.10144970	0.01557655
Furniture	10	5	0%	CG&S	1.18428730	-0.10144970	0.01557655
Office Support	10	5	0%	CG&S	1.02010290	-8.97443950	0.16316108
General Purpose Computers	5	5	0%	CG&S	1.02766470	-5.71031270	0.14552408
Switching	10	5	0%	CG&S	1.71629560	-0.00114623	0.00038173
Circuit/DLC	8	5	0%	CG&S	1.36885980	-0.01372330	0.00357234
Pole	25	15	-50%	CG&S	1.10249400	-0.33410041	0.02401188
Aerial Copper	15	15	-10%	CG&S	1.71629560	-0.00114623	0.00038173
Aerial Fiber	20	15	-10%	CG&S	1.36885980	-0.01372330	0.00357234
Underground Copper	15	15	-10%	CG&S	1.71629560	-0.00114623	0.00038173
Underground Fiber	20	15	-10%	CG&S	1.36885980	-0.01372330	0.00357234
Buried Copper	15	15	-10%	CG&S	1.71629560	-0.00114623	0.00038173
Buried Fiber	20	15	-10%	CG&S	1.36885980	-0.01372330	0.00357234
Conduit	40	15	-10%	CG&S	1.36885980	-0.01372330	0.00357234

**SWStateD**

State	Optional	Optional	Optional	Optional	Optional
	Reserve CCS \$/Ln: 5ESS Remote (Discounted)	Reserve CCS \$/Ln: DMS Host/ Standalone (Discounted)	Reserve CCS \$/Ln: DMS Remote (Discounted)	Small Switch Vendor 1 Share	Small Switch Vendor 2 Share
RI				1	0
SC				1	0
SD				1	0
TN				1	0
TX				1	0
UT				1	0
VT				1	0
VA				1	0
WA				1	0
WV				1	0
WI				1	0
WY				1	0