

Run Report: Common and Dedicated IX Miles

Enter this data into Exchange.mdb

- UNE/BNF Input Forms
- Usage & Feet tab

Retrieve Access Lines

DOA Reports for the necessary exchanges are run overnight in MIROR

Download DOA reports from MIROR

Copy the text file to the appropriate directory under I:\Economic Costs\Worksheets\MIROR.

Open "Editmirr.xls" spreadsheet. This spreadsheet will summarize and format the text data for import into the database.

Import the saved excel spreadsheet into the I:\Economic Costs\data\costdata\Mirror Data.mdb database.

Run query "0 – Empty Download Data Table"
Append the data into the Mirror Download table.

Run queries 1 – 2. If query 2 returns errors you must go to the Exchange database and make any corrections or additions necessary.

Run queries 3 through 7. Query 7 produces the Access Line numbers. The numbers are stored in the Access Line table in the following database: I:\Economic Costs\TELRIC\COE\Misc Switching Data.mdb. This table only contains the access lines for the exchanges being studied.

This information is input to:
I:\Economic Costs\ Worksheet\ Cable\ Interexchange.mdb
Forms: Input Access Lines

Example of CADE Download File

Comp#	Exchange	Account#	FromLeadNumber	FromStructureNumber	ToLeadNumber	ToStructureNumber	Size	Gauge	Length	Cost	RightofWay	Type
26	0036	14722	0001	416	0001	420	200	24	444			YAP
26	0036	14722	0001	416	0001	420	400	26	444			YAP
26	0036	14722	0001	416	0001	442	75	22	2850			YTP
26	0036	14722	0001	416	0001	420	50	24	444			YTP
26	0036	14722	0001	420	5024	008	200	22	896			YAP
26	0036	14722	0001	420	5021	A003	12	24	380			YKP
26	0036	14722	0001	420	0001	426	150	24	631			YAP
26	0036	14722	0001	420	5024	008	50	24	896			YTP
26	0036	14722	0001	426	5023	002	50	26	241			YKP
26	0036	14722	0001	426	5023	002	50	24	241			YAP
26	0036	14722	0001	426	0001	434	150	24	815			YAP
26	0036	14726	0001	416	0001	444	12	31	3190			31 SIN

Example of CableWir.exe results

Company	Exchange	FromLead	FromStruct	ToStructure	Size	Length	Gauge	Account	RecordCount	ToLead
26	0036	0001	416	420	420	50	444 24	14722		0001
26	0036	0001	416	442	442	75	444 22	14722		0001
26	0036	0001	416	420	420	400	444 26	14722		0001
26	0036	0001	416	420	420	200	444 24	14722		0001
26	0036	0001	416	420	420	725	444	14722	4	0001
26	0036	0001	420	426	426	150	631 24	14722		0001
26	0036	0001	416	442	442	75	631 22	14722		0001
26	0036	0001	420	426	426	225	631	14722	2	0001
26	0036	0001	426	434	434	150	815 24	14722		0001
26	0036	0001	416	442	442	75	815 22	14722		0001
26	0036	0001	426	434	434	225	815	14722	2	0001

Note: Highlighted rows are the cables created to take the place of existing cables.

Example of Summarize Feeder Output

Item	LineNo	InPlaceCode	Quantity	WrkCode	LaborHrs	LaborCost	MatCost	LabMat
026-0361		CW300-22(10M)	1.45	1	\$87.70		\$6,183.94	
026-0361		CW900-22(10M)	0.44	1	\$50.80		\$5,453.03	

Example of WOMS Inplace Table Listings

Code	Source	MatCost	InstallHrs	RemoveHrs	RemSavHrs	RearHrs
CW300-22(10M)	CBook		60.65	6.78	6.26	11.42
CW900-22(10M)	CBook		114.41	6.11	9.81	12.33

Example of Units Table Data

Code	Source	PartNum	UnitDesc	ActCode	MatCost	InstallHrs	RemoveHrs	RemSavHrs	RearHrs
CW300-22(10M)	CBook		Aerial Filled Cable (lashed On New 10m Strand)	3210		35.27	3.94	3.33	0.61
CW900-22(10M)	CBook		Aerial Filled Cable (lashed On New 10m Strand)	3210		76.69	3.94	3.33	0.61
HC-1	CBook		Splicing Any Cable Or Wire With Individual Splicing Conn.	3410		5.23	0.00	0.00	0.00
35-5	CBook	1355	Wood Pole	2510		4.65	0.76	0.61	5.30
HA-R2	CBook		Ready-Access Enclosure Assembly (plastic Insulated Cable)	3210		0.75	0.27	0.24	0.48
HA-R6	CBook		Ready-Access Enclosure Assembly (plastic Insulated Cable)	3210		0.85	0.27	0.24	0.52
PE1-3	CBook		Down Guy 10m Strand	2510		1.13	0.00	0.18	0.36
PF1-5	CBook		Patent Anchor - 10000 Lbs.	2510		2.25	0.00	0.18	0.00
PG9-6	CBook		Aerial Plant Term. Block-Plastic Cable 6-Pr. Unprotected	3210		0.53	0.00	0.09	0.00
PM2A	CBook		Ground Wire Assy.	2510		0.25	0.06	0.03	0.18
PM4A	CBook		Cable Extension Arm (long)	2510		0.55	0.24	0.21	0.82
PM52-1	CBook		Pole Marking Per Pole Route & Pole Number	2510		0.16	0.09	0.06	0.12
PM5	CBook		Pole Stepping Assy.	2510		0.65	0.36	0.30	0.00
R2-5	CBook		R/W Clearing 10' In Width On One Side Of Pole Line	2510		28.60	0.00	0.00	0.00
R3-5	CBook		Tree Trimming (suffix M For Re-Clearing Ex. Right-Of-Way)	2510		33.50	0.00	0.00	0.00

TELRIC Database Input Fields

Field Name	Field Type	
Company Number	Data	
Central Office Name	Data	
Loop Aerial Cable	Investment	
Loop U/G Cable	Investment	
Loop Buried Cable	Investment	
Loop Aerial Drop	Investment	
Loop Buried Drop	Investment	
Loop Fiber Cable	Investment	
Loop Fiber Equipment	Investment	
Concentrator Equipment	Investment	
Pair Gain Equipment	Investment	
Line Port	Investment	
Switch Port	Investment	
End Office Switching	Investment	
SS7 Signaling Switching	Investment	
Tandem Switching	Investment	
Common IX Cable	Investment	
Dedicated IX Cable	Investment	
IX Fiber Equipment	Investment	
NID Material	Investment	
2W Switched Loops	Loop Quantity	
2W PL Analog Loops	Loop Quantity	
4W PL Analog Loops	Loop Quantity	
2W PL Digital Loops	Loop Quantity	
4W PL Digital Loops	Loop Quantity	
2W ISDN Loops	Loop Quantity	
4W ISDN Loops	Loop Quantity	
DS-3 Local Loops	Loop Quantity	
DS-1 Local Loops	Loop Quantity	
DS-0 Local Loops	Loop Quantity	
DS-3 IX Loops	Loop Quantity	
DS-1 IX Loops	Loop Quantity	
DS-0 IX Loops	Loop Quantity	
Loop Fiber Facilities OC-48	Loop Quantity	
Loop Fiber Facilities OC-12	Loop Quantity	
Loop Fiber Facilities OC-03	Loop Quantity	
Loop Fiber Facilities DS-3	Loop Quantity	
Loop Fiber Facilities DS-1	Loop Quantity	
Loop Fiber Facilities DS-0	Loop Quantity	
2W Switched Loop Feet	Loop Feet	
2W PL Analog Loop Feet	Loop Feet	
4W PL Analog Loop Feet	Loop Feet	
2W PL Digital Loop Feet	Loop Feet	
4W PL Digital Loop Feet	Loop Feet	
2W ISDN Loop Feet	Loop Feet	
4W ISDN Loop Feet	Loop Feet	
DS-3 Loop Feet	Loop Feet	
DS-1 Loop Feet	Loop Feet	
DS-0 Loop Feet	Loop Feet	

TELRIC Database Input Fields

Field Name	Field Type	
Loop Aerial Pair Feet	Cable Pair Feet	
Loop U/G Pair Feet	Cable Pair Feet	
Loop Buried Pair Feet	Cable Pair Feet	
Loop Aerial Drop Pair Feet	Cable Pair Feet	
Loop Buried Drop Pair Feet	Cable Pair Feet	
Loop Fiber Pair Feet	Cable Pair Feet	
Loop Aerial Cable Feet	Cable Feet	
Loop U/G Cable Feet	Cable Feet	
Loop Buried Cable Feet	Cable Feet	
Loop Aerial Drop Cable Feet	Cable Feet	
Loop Buried Drop Cable Feet	Cable Feet	
Loop Fiber Cable Feet	Cable Feet	
Square Miles	Exchange Square Miles	
Common IX Miles	Interexchange Miles	
Dedicated IX Miles	Interexchange Miles	
Tandem IX Miles	Interexchange Miles	
EAS IX Miles	Interexchange Miles	
IX Fiber Facilities OC-48	Interexchange Quantity	
IX Fiber Facilities OC-12	Interexchange Quantity	
IX Fiber Facilities OC-03	Interexchange Quantity	
IX Fiber Facilities STS-1	Interexchange Quantity	
IX Fiber Facilities DS-3	Interexchange Quantity	
IX Fiber Facilities DS-1	Interexchange Quantity	
IX Fiber Facilities DS-0	Interexchange Quantity	
Common Toll Minutes	Minutes of Use	
Dedicated Toll Minutes	Minutes of Use	
EAS Minutes	Minutes of Use	
Local Minutes	Minutes of Use	
Tandem Minutes	Minutes of Use	
Messages	Messages	
Installed NIDS	Quantity	
Line Growth Percent	Growth Percent	
Trunk Growth Percent	Growth Percent	
Engineer Rate	Hourly Rate	
Loop Aerial Cable Engineer Hours	Hours	
Loop U/G Cable Engineer Hours	Hours	
Loop Buried Cable Engineer Hours	Hours	
Loop Aerial Drop Engineer Hours	Hours	
Loop Buried Drop Engineer Hours	Hours	
Loop Fiber Cable Engineer Hours	Hours	
Loop Fiber Equip Engineer Hours	Hours	
Concentrator Engineer Hours	Hours	
Pair Gain Engineer Hours	Hours	
Line Port Switching Engineer Hours	Hours	
End Office Switching Engineer Hours	Hours	
SS7 Signaling Switching Engineer Hours	Hours	
Tandem Switching Engineer Hours	Hours	
Common IX Cable Engineer Hours	Hours	
Dedicated IX Cable Engineer Hours	Hours	

TELCEL
TELRIC Input Descriptions

Name	Description	Data Source	Source Description	Input Source
Material Amount Input				
By Location				
Loop Aerial Cable	Cost of Loop Aerial Cable materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
U/G Cable	Cost of Loop U/G Cable materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Buried Cable	Cost of Loop Buried Cable materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Aerial Drop	Cost of Loop Aerial Drop materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Loop Buried Drop	Cost of Loop Buried Drop materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Loop Fiber Cable	Cost of Loop Fiber Cable materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Loop Fiber Equipment	Cost of Loop Fiber Equipment materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Line Protection	Cost of Line Protection materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Concentrator Equipment	Cost of Concentrator Equipment materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Pair Gain Equipment	Cost of Pair Gain Equipment materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
2W Switched Port	Cost of 2W Switched Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
2W ISDN Port	Cost of 2W ISDN Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
4W ISDN Port	Cost of 4W ISDN Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
2W PL Analog Port	Cost of 2W PL Analog Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
4W PL Analog Port	Cost of 4W PL Analog Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
2W PL Digital Port	Cost of 2W PL Digital Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
4W PL Digital Port	Cost of 4W PL Digital Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
DS-3 Port	Cost of DS-3 Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
DS-1 Port	Cost of DS-1 Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
DS-0 Port	Cost of DS-0 Port materials required to provide service	Engineering Records	Work Order Management System	Exchange.mdb
Material Factor Input				
By Investment Category				
Other Material %	Percentage of additional material required to install and provide service	Engineering Records	Work Order Management System	Exchange.mdb
Include Pwr&Cmn	Determines if equipment requires additional power and common costs	Engineering Records	Work Order Management System	Exchange.mdb
% Fill	Percent of used capacity to total capacity	Engineering Records	Work Order Management System	Exchange.mdb
% Utilization	Percent of total investment required for service	Engineering Records	Work Order Management System	Exchange.mdb
Engineer %	Percent of engineering costs to total investment	Engineering Records	Work Order Management System	Exchange.mdb
Install %	Percent of installation costs to total investment	Engineering Records	Work Order Management System	Exchange.mdb
Freight %	Percent of shipping costs to total investment	Engineering Records	Work Order Management System	Exchange.mdb
EF&I Amount Input				
By Location				
Engineer Amount	Total dollar amount to engineer the investment	Engineering Records	Work Order Management System	Exchange.mdb
Install Amount	Total dollar amount to install the investment	Engineering Records	Work Order Management System	Exchange.mdb
Freight Amount	Total dollar amount to ship the investment	Engineering Records	Work Order Management System	Exchange.mdb
EF&I Hours Input				
By Location				
Engineer Hours	Total hours required to engineer the investment	Engineering Records	Work Order Management System	Exchange.mdb
Install Hours	Total hours required to install the investment	Engineering Records	Work Order Management System	Exchange.mdb
Loop Length Input				
By Location				
2W Switched Loop Feet	Average feet from office to customers with 2W Switched service	Engineering Records	CAMS and CADE	Exchange.mdb
2W ISDN Loop Feet	Average feet from office to customers with 2W ISDN service	Engineering Records	CAMS and CADE	Exchange.mdb
4W ISDN Loop Feet	Average feet from office to customers with 4W ISDN service	Engineering Records	CAMS and CADE	Exchange.mdb
2W PL Analog Loop Feet	Average feet from office to customers with 2W PL Analog service	Engineering Records	CAMS and CADE	Exchange.mdb
4W PL Analog Loop Feet	Average feet from office to customers with 4W PL Analog service	Engineering Records	CAMS and CADE	Exchange.mdb
2W PL Digital Loop Feet	Average feet from office to customers with 2W PL Digital service	Engineering Records	CAMS and CADE	Exchange.mdb
4W PL Digital Loop Feet	Average feet from office to customers with 4W PL Digital service	Engineering Records	CAMS and CADE	Exchange.mdb
DS-3 Loop Feet	Average feet from office to customers with DS-3 service	Engineering Records	CAMS and CADE	Exchange.mdb
DS-1 Loop Feet	Average feet from office to customers with DS-1 service	Engineering Records	CAMS and CADE	Exchange.mdb
Loop Count Input				
By Location				
2W Switched Loops	Number of 2W Switched services	Billing Records	CAMS	Exchange.mdb
2W ISDN Loops	Number of 2W ISDN services	Billing Records	CAMS	Exchange.mdb
4W ISDN Loops	Number of 4W ISDN services	Billing Records	CAMS	Exchange.mdb
2W PL Analog Loops	Number of 2W PL Analog services	Billing Records	CAMS	Exchange.mdb
4W PL Analog Loops	Number of 4W PL Analog services	Billing Records	CAMS	Exchange.mdb
2W PL Digital Loops	Number of 2W PL Digital services	Billing Records	CAMS	Exchange.mdb
4W PL Digital Loops	Number of 4W PL Digital services	Billing Records	CAMS	Exchange.mdb
DS-3 Local Loops	Number of DS-3 Local services	Billing Records	CAMS	Exchange.mdb
DS-1 Local Loops	Number of DS-1 Local services	Billing Records	CAMS	Exchange.mdb
DS-0 Local Loops	Number of DS-0 Local services	Billing Records	CAMS	Exchange.mdb
Term Count Input				
By Location				
Loop Fiber Facilities OC-48	Number of Loop Fiber Facilities OC-48	Engineering Records	Circuit Database	Exchange.mdb
Loop Fiber Facilities OC-12	Number of Loop Fiber Facilities OC-12	Engineering Records	Circuit Database	Exchange.mdb
Loop Fiber Facilities OC-03	Number of Loop Fiber Facilities OC-03	Engineering Records	Circuit Database	Exchange.mdb
Loop Fiber Facilities DS-3	Number of Loop Fiber Facilities DS-3	Engineering Records	Circuit Database	Exchange.mdb
Loop Fiber Facilities DS-1	Number of Loop Fiber Facilities DS-1	Engineering Records	Circuit Database	Exchange.mdb
Loop Fiber Facilities DS-0	Number of Loop Fiber Facilities DS-0	Engineering Records	Circuit Database	Exchange.mdb
IX Fiber Facilities OC-48	Number of IX Fiber Facilities OC-48	Engineering Records	Circuit Database	Exchange.mdb
Usage Input				
By Location				
Loop Aerial Cable Feet	Average feet of aerial cable required for Loops	Engineering Records	Work Order Management System	Exchange.mdb
Loop U/G Cable Feet	Average feet of underground cable required for Loops	Engineering Records	Work Order Management System	Exchange.mdb
Loop Buried Cable Feet	Average feet of buried cable required for Loops	Engineering Records	Work Order Management System	Exchange.mdb
Loop Aerial Drop Cable Feet	Average feet of aerial drop required for Loops	Engineering Records	Work Order Management System	Exchange.mdb
Loop Buried Drop Cable Feet	Average feet of buried cable required for Loops	Engineering Records	Work Order Management System	Exchange.mdb
Loop Fiber Cable Feet	Average feet of fiber cable required for Loops	Engineering Records	Work Order Management System	Exchange.mdb
Square Miles	Total area of exchange in square miles	Engineering Records	CADE	Exchange.mdb
Common IX Miles	Total miles of Common Transport cable	Engineering Records	Work Order Management System	Exchange.mdb
Dedicated IX Miles	Total miles of Dedicated Transport cable	Engineering Records	Work Order Management System	Exchange.mdb
Tandem IX Miles	Total toll minutes over Common Transport	Engineering Records	Traffic Study	Exchange.mdb
EAS IX Miles	Total toll minutes over Dedicated Transport	Engineering Records	Traffic Study	Exchange.mdb
Common Toll Minutes	Total EAS minutes	Engineering Records	Traffic Study	Exchange.mdb
Dedicated Toll Minutes	Total local minutes	Engineering Records	Traffic Study	Exchange.mdb
EAS Minutes	Total tandem minutes	Engineering Records	Traffic Study	Exchange.mdb
Local Minutes	Total measured messages	Billing Records	CAMS and CABS	Exchange.mdb
Growth Input				
By Location				
2W Switched Loops	Average 5 year growth rate of 2W Switched services	Billing Records	CAMS	Exchange.mdb
2W ISDN Loops	Average 5 year growth rate of 2W ISDN services	Billing Records	CAMS	Exchange.mdb
4W ISDN Loops	Average 5 year growth rate of 4W ISDN services	Billing Records	CAMS	Exchange.mdb
2W PL Analog Loops	Average 5 year growth rate of 2W PL Analog services	Billing Records	CAMS	Exchange.mdb
4W PL Analog Loops	Average 5 year growth rate of 4W PL Analog services	Billing Records	CAMS	Exchange.mdb
2W PL Digital Loops	Average 5 year growth rate of 2W PL Digital services	Billing Records	CAMS	Exchange.mdb
4W PL Digital Loops	Average 5 year growth rate of 4W PL Digital services	Billing Records	CAMS	Exchange.mdb

DS-3 Local Loops	Average 5 year growth rate of DS-3 Local services	Billing Records	CAMS	Exchange.mdb
DS-1 Local Loops	Average 5 year growth rate of DS-1 Local services	Billing Records	CAMS	Exchange.mdb
DS-0 Local Loops	Average 5 year growth rate of DS-0 Local Loops	Billing Records	CAMS	Exchange.mdb
2W ADSL Loops	Average 5 year growth rate of 2W ADSL Loops	Billing Records	CABS	Exchange.mdb
2W HDSL Loops	Average 5 year growth rate of 2W HDSL Loops	Billing Records	CABS	Exchange.mdb
DS-3 IX Loops	Average 5 year growth rate of DS-3 IX Loops	Billing Records	CABS	Exchange.mdb
DS-1 IX Loops	Average 5 year growth rate of DS-1 IX Loops	Billing Records	CABS	Exchange.mdb
X Loops	Average 5 year growth rate of DS-0 IX Loops	Billing Records	CABS	Exchange.mdb
NIDS	Average 5 year growth rate of Installed NIDS	Billing Records	CABS	Exchange.mdb
Loop Fiber Facilities OC-48	Average 5 year growth rate of Loop Fiber Facilities OC-48	Billing Records	CABS	Exchange.mdb
Loop Fiber Facilities OC-12	Average 5 year growth rate of Loop Fiber Facilities OC-12	Engineering Records	Traffic Study	Exchange.mdb
Loop Fiber Facilities OC-03	Average 5 year growth rate of Loop Fiber Facilities OC-03	Engineering Records	Traffic Study	Exchange.mdb
Loop Fiber Facilities DS-3	Average 5 year growth rate of Loop Fiber Facilities DS-3	Engineering Records	Traffic Study	Exchange.mdb
Loop Fiber Facilities DS-1	Average 5 year growth rate of Loop Fiber Facilities DS-1	Engineering Records	Traffic Study	Exchange.mdb
Loop Fiber Facilities DS-0	Average 5 year growth rate of Loop Fiber Facilities DS-0	Billing Records	CAMS and CABS	Exchange.mdb
Price Input	By Equipment			
2W Switched Loops	Vendor price * discount for equipment required for 2W Switched services	Engineering Records	Vendors Price List	Exchange.mdb
2W ISDN Loops	Vendor price * discount for equipment required for 2W ISDN services	Engineering Records	Vendors Price List	Exchange.mdb
4W ISDN Loops	Vendor price * discount for equipment required for 4W ISDN services	Engineering Records	Vendors Price List	Exchange.mdb
2W PL Analog Port	Vendor price * discount for equipment required for 2W PL Analog Port	Engineering Records	Vendors Price List	Exchange.mdb
4W PL Analog Port	Vendor price * discount for equipment required for 4W PL Analog Port	Engineering Records	Vendors Price List	Exchange.mdb
2W PL Digital Port	Vendor price * discount for equipment required for 2W PL Digital Port	Engineering Records	Vendors Price List	Exchange.mdb
4W PL Digital Port	Vendor price * discount for equipment required for 4W PL Digital Port	Engineering Records	Vendors Price List	Exchange.mdb
DS-3 Port	Vendor price * discount for equipment required for DS-3 Port	Engineering Records	Vendors Price List	Exchange.mdb
DS-1 Port	Vendor price * discount for equipment required for DS-1 Port	Engineering Records	Vendors Price List	Exchange.mdb
DS-0 Port	Vendor price * discount for equipment required for DS-0 Port	Engineering Records	Vendors Price List	Exchange.mdb
2W ADSL Port	Vendor price * discount for equipment required for 2W ADSL Port	Engineering Records	Vendors Price List	Exchange.mdb
2W HDSL Port	Vendor price * discount for equipment required for 2W HDSL Port	Engineering Records	Vendors Price List	Exchange.mdb
Loop Fiber Facilities OC-48	Vendor price * discount for equipment required for Loop Fiber Facilities OC-48	Engineering Records	Vendors Price List	Exchange.mdb
Loop Fiber Facilities OC-12	Vendor price * discount for equipment required for Loop Fiber Facilities OC-12	Engineering Records	Vendors Price List	Exchange.mdb
Loop Fiber Facilities OC-03	Vendor price * discount for equipment required for Loop Fiber Facilities OC-03	Engineering Records	Vendors Price List	Exchange.mdb
Loop Fiber Facilities DS-3	Vendor price * discount for equipment required for Loop Fiber Facilities DS-3	Engineering Records	Vendors Price List	Exchange.mdb
Zone Input				
Zone A - Bottom Range	Criteria for lower limit of Zone A's area	Input	Input	Calculated
Zone A - Top Range	Criteria for upper limit of Zone A's area	Input	Input	Calculated
Zone B - Bottom Range	Criteria for lower limit of Zone B's area	Input	Input	Calculated
Zone B - Top Range	Criteria for upper limit of Zone B's area	Input	Input	Calculated
Zone C - Bottom Range	Criteria for lower limit of Zone C's area	Input	Input	Calculated
Zone C - Top Range	Criteria for upper limit of Zone C's area	Input	Input	Calculated
Time Input	By Department			
Record Keeping	Number of minutes for Record Keeping	Department Personnel	Time Records	Input
Order Administration & Billing	Number of minutes for Order Administration & Billing	Department Personnel	Time Records	Input
Project Management	Number of minutes for Project Management	Department Personnel	Time Records	Input
Planning & Design	Number of minutes for Planning & Design	Department Personnel	Time Records	Input
Testing	Number of minutes for Testing	Department Personnel	Time Records	Input
Travel Time	Number of minutes for Travel Time	Department Personnel	Time Records	Input
Installation	Number of minutes for Installation	Department Personnel	Time Records	Input
Rearrangements	Number of minutes for Rearrangements	Department Personnel	Time Records	Input
Disconnection	Number of minutes for Disconnection	Department Personnel	Time Records	Input
Rate Input	By Department			
Property Management	Average annual percent of salary increases	Accounting Records	Labor Studies	Labor File
Regional Engineer	Average loaded labor rate for Property Management personnel	Accounting Records	Labor Studies	Labor File
COE Eng. - Hourly	Average loaded labor rate for Regional Engineer	Accounting Records	Labor Studies	Labor File
COE Eng. - Salaried	Average loaded labor rate for COE Eng. - Hourly	Accounting Records	Labor Studies	Labor File
COE Engineer	Average loaded labor rate for COE Eng. - Salaried	Accounting Records	Labor Studies	Labor File
COE Supervisor	Average loaded labor rate for COE Engineer	Accounting Records	Labor Studies	Labor File
COE Technician	Average loaded labor rate for COE Supervisor	Accounting Records	Labor Studies	Labor File
COE Installer	Average loaded labor rate for COE Technician	Accounting Records	Labor Studies	Labor File
Network Engineer	Average loaded labor rate for COE Installer	Accounting Records	Labor Studies	Labor File
Special Service Engineer	Average loaded labor rate for Network Engineer	Accounting Records	Labor Studies	Labor File
Translation Engineer	Average loaded labor rate for Special Service Engineer	Accounting Records	Labor Studies	Labor File
Transmission Engineer	Average loaded labor rate for Translation Engineer	Accounting Records	Labor Studies	Labor File
Planning Engineer	Average loaded labor rate for Transmission Engineer	Accounting Records	Labor Studies	Labor File
Traffic Engineer	Average loaded labor rate for Planning Engineer	Accounting Records	Labor Studies	Labor File
OSP Engineer	Average loaded labor rate for Traffic Engineer	Accounting Records	Labor Studies	Labor File
OSP Supervisor	Average loaded labor rate for OSP Engineer	Accounting Records	Labor Studies	Labor File
Construction Supervisor	Average loaded labor rate for OSP Supervisor	Accounting Records	Labor Studies	Labor File
Cable Splicer	Average loaded labor rate for Construction Supervisor	Accounting Records	Labor Studies	Labor File
Contract Labor	Average loaded labor rate for Cable Splicer	Accounting Records	Labor Studies	Labor File
Lineman	Average loaded labor rate for Contract Labor	Accounting Records	Labor Studies	Labor File
Commercial	Average loaded labor rate for Lineman	Accounting Records	Labor Studies	Labor File
ICSC Personnel	Average loaded labor rate for Commercial	Accounting Records	Labor Studies	Labor File
Carrier Services	Average loaded labor rate for ICSC Personnel	Accounting Records	Labor Studies	Labor File
Customer Services	Average loaded labor rate for Carrier Services	Accounting Records	Labor Studies	Labor File
Industry Relations	Average loaded labor rate for Customer Services	Accounting Records	Labor Studies	Labor File
Business Processes	Average loaded labor rate for Industry Relations	Accounting Records	Labor Studies	Labor File
Security	Average loaded labor rate for Business Processes	Accounting Records	Labor Studies	Labor File
Plant Install/Repair	Average loaded labor rate for Security	Accounting Records	Labor Studies	Labor File
Install/Repair Supv.	Average loaded labor rate for Plant Install/Repair	Accounting Records	Labor Studies	Labor File
Warehouse	Average loaded labor rate for Install/Repair Supv.	Accounting Records	Labor Studies	Labor File
PBX Supv.	Average loaded labor rate for Warehouse	Accounting Records	Labor Studies	Labor File
PBX Technician	Average loaded labor rate for PBX Supv.	Accounting Records	Labor Studies	Labor File
Material Factors	Average loaded labor rate for PBX Technician	Accounting Records	Labor Studies	Labor File
Rate of Return	By Investment Category			
Income Tax Rate	Number of years of depreciable life for each type of asset	Accounting Records	Economic Life Table	Rate_tbl.xls
Sales Tax Rate	Composite State & federal income tax rates	Calculated	State + Federal	Rate_tbl.xls
Other Material %	Sales Tax Rate for each state	Accounting Records	State law	Rate_tbl.xls
Power & Common %	Percentage of additional material required to install and provide service	Engineering Records	Work Order Management System	Exchange.mdb
Installation %	Percent of power & common investment to specific plant investment	Cost Study	COE CPRs	Rate_tbl.xls
Freight %	Percent of used capacity to total capacity	Engineering Records	Work Order Management System	Exchange.mdb
	Percent of total investment required for service	Engineering Records	Work Order Management System	Exchange.mdb
	Percent of engineering costs to total investment	Engineering Records	Work Order Management System	Exchange.mdb
	Percent of installation costs to total investment	Engineering Records	Work Order Management System	Exchange.mdb
	Percent of shipping costs to total investment	Engineering Records	Work Order Management System	Exchange.mdb

Salvage %	Percent of salvage to total investment	Accounting Records	PSC Authorized	Rate_tbl.xls
Economic Life	Number of years of depreciable life for each type of asset	Accounting Records	Economic Life Table	Rate_tbl.xls
Maintenance Expense	Percent of maintenance expense to direct investment	Cost Study	Calculated	Rate_tbl.xls
Adjustment Factor	Forward looking maintenance expense adjustment	Accounting Records	Calculated	Rate_tbl.xls
Network Operations Expense	Percent of network operations expense to total investment	Cost Study	Calculated	Rate_tbl.xls
Access Expense	Percent of access expense to total investment	Cost Study	Calculated	Rate_tbl.xls
Customer Service Expense	Percent of customer service expense to total investment	Cost Study	Calculated	Rate_tbl.xls
& Marketing Expense	Percent of sales & marketing expense to total investment	Cost Study	Calculated	Rate_tbl.xls
ate Expense	Percent of corporate expense to total investment	Cost Study	Calculated	Rate_tbl.xls
Expense	Percent of other expense to total investment	Cost Study	Calculated	Rate_tbl.xls
Operating Taxes	Percent of operating taxes to total investment	Cost Study	Calculated	Rate_tbl.xls
Support Assets	Percent of support asset expenses to total investment	Cost Study	Calculated	Rate_tbl.xls
Total Expense Factor	Percent of all expenses to total investment	Sum of above factors	Calculated	Rate_tbl.xls
Common Cost Factor	Percent of common costs to total costs	Cost Study	Calculated	Rate_tbl.xls

Composite Tax Rate = (Gross Receipts Tax Rate+Commission Tax Rate+Federal Income Tax Rate)*(1-Gross Receipts Tax Rate+Commission Tax Rate)

Effective Tax Rate = ((Composite Tax Rate)/(1+Composite Tax Rate))*(1-Debt Ratio*Debt Rate)/Cost of Money)

Cost of Money = (Cost of Debt+ Cost of Equity) / (Debt Value + Equity Value)



TELRIC Material List

Materials	Actual Price or Allocated	Unbundled Element
Concentrators	Actual	Loop
Drop Wire	Actual	Loop
Lightning Protection Assembly	Allocated	Loop
Aerial and Buried Connections	Allocated	Loop and Transport
Aerial Cable (Size & Gauge)	Actual	Loop and Transport
Anchor Rods	Allocated	Loop and Transport
Anchors	Allocated	Loop and Transport
Asphalt	Allocated	Loop and Transport
Auxiliary Cable Stubs	Allocated	Loop and Transport
Auxiliary Eye	Allocated	Loop and Transport
Auxiliary Sleeves	Allocated	Loop and Transport
Bridge Attachment	Allocated	Loop and Transport
Building Out Capacitor	Allocated	Loop and Transport
Buried Cable (Size & Gauge)	Actual	Loop and Transport
Buried Plant Housing (Type H)	Allocated	Loop and Transport
Buried Service Guard	Allocated	Loop and Transport
Cable Extension Arms	Allocated	Loop and Transport
Concrete	Allocated	Loop and Transport
Crossarm Assembly Unit	Allocated	Loop and Transport
Digital Induction Neutralizer	Allocated	Loop and Transport
Door for Metal Housings	Allocated	Loop and Transport
Enclosures Units	Allocated	Loop and Transport
Ground Assemblies	Allocated	Loop and Transport
Guy Guard	Allocated	Loop and Transport
Guy Wire	Allocated	Loop and Transport
Housing Auxiliary Ground	Allocated	Loop and Transport
Housing Ground	Allocated	Loop and Transport
Lead Sleeves	Allocated	Loop and Transport
Load Coils	Actual	Loop and Transport
Loading Coil Assembly	Allocated	Loop and Transport
Outside Station Protector	Allocated	Loop and Transport
Pedestals	Allocated	Loop and Transport
Pole Marking (Route Number)	Allocated	Loop and Transport
Pole Stepping Assemblies	Allocated	Loop and Transport
Push Brace Accessories	Allocated	Loop and Transport
Quazite Handhole Cover	Allocated	Loop and Transport
Quazite Handhole for Fiber	Allocated	Loop and Transport
Ripping Unit	Allocated	Loop and Transport
Riser Guard	Allocated	Loop and Transport
Rock Excavating	Allocated	Loop and Transport
Round Stub Poles	Allocated	Loop and Transport
Service Entrance Assembly	Allocated	Loop and Transport
Shelf Power Supply	Allocated	Loop and Transport
Sidewalk Guy Arm	Allocated	Loop and Transport
Splice Cases	Allocated	Loop and Transport
Splicing Labor	Allocated	Loop and Transport
Telephone Poles by Length	Actual	Loop and Transport
Terminal Housing Ground	Allocated	Loop and Transport



TELRIC Material List

Materials	Actual Price or Allocated	Unbundled Element
Tree Trimming	Allocated	Loop and Transport
Trenching	Allocated	Loop and Transport
Underground Cable (Size & Gauge)	Actual	Loop and Transport
Underground Non-Pipe Crossing	Allocated	Loop and Transport
Underground Pipe Crossing	Allocated	Loop and Transport
Warning Signs	Allocated	Loop and Transport
Warning Tape	Allocated	Loop and Transport
Frame Assy	Actual	Loop, Switch Port
Line Cards	Allocated	Switch Port
Line Shelves	Allocated	Switch Port
Line Shields	Allocated	Switch Port
1200 Baud Modem	Actual	Switching
2 Function Rmac Unit	Actual	Switching
2 Wire E&M Trunk	Actual	Switching
3 Way Conference	Actual	Switching
4 Wire E&M Trunk PCP	Actual	Switching
405.20 Software	Actual	Switching
5/12V Converters	Actual	Switching
6 Loop Terminator PCP	Actual	Switching
8-Pary Line PCP	Actual	Switching
A Bit Message Card Cp	Actual	Switching
Alarm & Ringing Controls	Actual	Switching
Alarm PCP Fuse	Actual	Switching
Alarm Processor	Actual	Switching
Audible Alarm Panel	Allocated	Switching
Auxiliary Ring & Tone PCP	Actual	Switching
Base Cover	Actual	Switching
BMC Update (33 Mtg Pos)	Actual	Switching
BMC Upgrade Bx.25 Protocol	Actual	Switching
Breaker Panels	Actual	Switching
Bridge Lifter	Actual	Switching
Bridge Lifters	Allocated	Switching
Bus Ext Clock & Rom	Actual	Switching
Bus Extender CPU	Actual	Switching
Bus Extender I/O	Actual	Switching
Bus Term PCP & Cntl	Actual	Switching
Bus Terminators	Actual	Switching
C-310 Connectors	Actual	Switching
C-378 Prot Base	Actual	Switching
Call Handling Package	Actual	Switching
Cancel Call Waiting	Actual	Switching
Central Processor	Actual	Switching
Channel Unit Test Extender	Allocated	Switching
Circuit Breakers	Actual	Switching
Clock Sync	Actual	Switching
Cmc Alarm Sender	Actual	Switching
Co Perph Ctl Filler Plt K	Actual	Switching
Common Equip Bays	Actual	Switching



TELRIC Material List

Materials	Actual Price or Allocated	Unbundled Element
Computer Security Guard	Actual	Switching
Conference PCP	Actual	Switching
Control & Regulator Panel	Actual	Switching
Controller System Bus	Actual	Switching
Controller-Mag Tape	Actual	Switching
Converter Power	Actual	Switching
Cook Battery Filter	Actual	Switching
Cook Extender/Rptr	Allocated	Switching
Cook Mtg Shelf	Allocated	Switching
Cpp Msg Proto & Tone Cp	Actual	Switching
CPU Bus Extender PCP	Actual	Switching
CXR Interface PCP	Actual	Switching
Data Set	Actual	Switching
Dead System Alarm	Actual	Switching
Digitone Carrier	Actual	Switching
Digitone Rec	Actual	Switching
Disk Drive Assy	Actual	Switching
Dist Alarm Sig	Actual	Switching
DMS-10 Program Card	Actual	Switching
DS-1 Interface PCP	Actual	Switching
DS30A Network Interface	Actual	Switching
Eia Cable-BMC	Allocated	Switching
Equal Access Feature	Actual	Switching
Equipment Shelves	Actual	Switching
Fail Safe Gas Mod 7A	Actual	Switching
Filler Panel	Actual	Switching
Flotrol Rect 100Amp	Actual	Switching
Front Panel Assy	Actual	Switching
Fuse Panel	Actual	Switching
GDC 103 A3 Data Modem	Actual	Switching
Generator-Dual Ringing	Actual	Switching
Generic Upgrade	Actual	Switching
Ground Tents	Allocated	Switching
Hand Dial Loop Test	Allocated	Switching
Hardware Clock & Rom 400	Actual	Switching
Incoming Test Trunk PCP	Actual	Switching
Input Board	Actual	Switching
Interface I/O	Actual	Switching
Interface Multiplex Loop	Actual	Switching
Interface Sdi	Actual	Switching
Interface-Maint	Actual	Switching
IX Channel Banks	Allocated	Switching
IX Channel Units	Allocated	Switching
Line & Trunk Test PCP	Actual	Switching
Line Filters	Actual	Switching
Load Tapes	Actual	Switching
Loop Extender/Rptr	Allocated	Switching
Lorain Es9103 Enf Plant	Actual	Switching



TELRIC Material List

Materials	Actual Price or Allocated	Unbundled Element
Low Voltage Disc Delay	Actual	Switching
Mag Tape I/F PCP	Actual	Switching
Man Control Center	Actual	Switching
Master Processor Memory	Actual	Switching
MDF 10 Horiz Per 4 Vert	Actual	Switching
Memory Dram 16 Mb	Actual	Switching
MF 2-Party Line PCP	Actual	Switching
M-F Receiver	Actual	Switching
Mf Receiver PCP	Actual	Switching
Misc Cable & Ironwork	Allocated	Switching
Misc Fnctn Line PCP	Actual	Switching
Misc Gen 204.9	Actual	Switching
Misc. Modems	Allocated	Switching
Misc. Test Equipment	Allocated	Switching
Monitor Ringing	Actual	Switching
Multi Freq Program Mod	Actual	Switching
Multi Pic Option	Actual	Switching
Multiplex Loop Interface (4	Actual	Switching
Network Interface PCP	Actual	Switching
New Spares Pkg	Actual	Switching
Noller/Badger Interface PCP	Actual	Switching
Nvru-1 Bd	Actual	Switching
Nvru-2 Cntl Bd	Actual	Switching
Paper Winder-BMC	Allocated	Switching
Periphpal Mntc Access PCP	Actual	Switching
Peripheral Controls	Actual	Switching
Peripheral Equip Bays	Actual	Switching
Ported Control Bd	Actual	Switching
Power Board Cabinet	Actual	Switching
Power Cooling Mod W/Tst Pnl	Actual	Switching
Power Supply	Actual	Switching
Prepay Coin Line PCP	Actual	Switching
Printer Stand-BMC	Allocated	Switching
Processor Alarm	Actual	Switching
Program Single Freq	Actual	Switching
Protocol Conv	Actual	Switching
R A Mtc & Service Kit	Allocated	Switching
R Quad Announcers	Actual	Switching
Real Time & Rom PCP	Actual	Switching
Recording Tape Set	Actual	Switching
Relay Racks	Allocated	Switching
Remote Cdo Test	Allocated	Switching
Rixon Data Set	Actual	Switching
Rixon Modem	Actual	Switching
R-Quad Announcers	Actual	Switching
Sat Inductors	Allocated	Switching
Scm Pad/Ring Card Cp	Actual	Switching
Sdi PCP	Actual	Switching



TELRIC Material List

Materials	Actual Price or Allocated	Unbundled Element
Security Guard Mtg Bar	Actual	Switching
Sender Tone & Digit	Actual	Switching
Sgl Pty Line PCP	Actual	Switching
Signalling Converter PCP	Actual	Switching
Signalling Proc. Memory Sc	Actual	Switching
Single Party Line PCP	Actual	Switching
Single Party Revert Calling	Actual	Switching
Sngl Freq Program Mod	Actual	Switching
Special Service Equipment	Allocated	Switching
Standalone Modem	Actual	Switching
Storage Shelves	Actual	Switching
Subs Carrier Module Common	Actual	Switching
T1 Carrier Chan Acc Mod	Allocated	Switching
Tape Drive 101	Actual	Switching
Teen Service	Actual	Switching
Teleprinter	Allocated	Switching
Teletype BMC	Allocated	Switching
Terminal Blocks	Actual	Switching
Test Jack Assy	Actual	Switching
Time Switch	Actual	Switching
Tr-8 Craft Intf	Actual	Switching
Trunk Mf	Actual	Switching
Udc Computing Device	Actual	Switching
Udc Upgrade Kit	Actual	Switching
Uds 4800 Bps Modem	Actual	Switching
Update To Generic 402-53	Actual	Switching
Wilcom Test Responder	Actual	Switching

TELRIC Data Sources

Required Data	Format	Source	Elements	Provides	Purpose	Method	Cost Department Responsibility	Requires Assistance from Other Departments	Average Working Hours to Complete
1. Private lines	Text	ASAP InfoMaker Report	IX	DS-0 quantities	Input to CWF models	Download and convert to Excel	J. Heacox	No	0.5
2. High Caps	Text	ASAP InfoMaker Report	IX	DS-1 quantities	Input to CWF models	Download and convert to Excel	J. Heacox	No	0.5
3. Facility Reports	Text	ASAP InfoMaker Report	IX	DS-3, STS-1 and OC? quantities	Input to CWF models	Download and convert to Excel	J. Heacox	No	0.5
4. CWF CPR's	Access	DB2 - Accounting Table	IX & Loop	Embedded CWF	Input to CWF models	Download exchange, load into Access, clean-up data for WOMS	J. Heacox	No	16
5. Facility Drawings	Imagineer	ASAP and CWF Study	Switching & IX	Fiber electronics, cable sizes and lengths	Replace copper with fiber and add fiber equipment for input to CWF models	Develop drawings in Imagineer	J. Heacox	No	120
6. COE CPR's	Access	DB2 - Accounting Table	Switching	Embedded COE	Input to cost model	Download exchange, load into Access	J. Fontenoy	No	4
7. Traffic MOU's	Excel	Traffic Studies	Switching	Exchange MOU's	Input to COE model	Extract from Excel file	J. Fontenoy	No	1
8. CABS Usage	Access	Traffic Studies	Switching	Exchange Messages	Input to COE model	Extract from Access file	J. Fontenoy	No	1
9. Line Information	Text	MIROR	Switching	Current equipped and working lines, single ended concentrators and remotes	Starting point to develop future line sizes for input to COE model	Request from region, reformat to Excel, load in Access	J. Fontenoy	Yes	48
10. H/R Links	Text	ASAP InfoMaker Report	Switching	H/R interface quantities used to determine and identify quantities for hosts, remotes and interfaced concentrators	Input to COE model	Download and convert to Excel	J. Fontenoy	No	4
11. Trunks	Text	ASAP InfoMaker Report	Switching	Working trunk quantities	Input to COE model	Download and convert to Excel	J. Fontenoy	No	0.5
12. Access Line Forecast	Text	Market area contact	Switching	Factors for access line growth	Input to COE model	Request from regions	J. Fontenoy	Yes	45
13. Trunk Forecast	Text	Market area contact	Switching	Factors for trunk growth	Input to COE model	Request from regions	J. Fontenoy	Yes	45
14. Exchange Data	Access	Exchange Database	Switching	Concentrator and host remote data	Input to COE model	Run reports	J. Fontenoy	No	0.5
15. WOMS	Access	Lines: 1, 2, 3, 4, 5	IX and Loop	Material costs for cable & wire facilities	Input to element cost model	Input data from Access, adjust data per Cable & Wire results, adjust data for interexchange cables	J. Heacox	No	6
16. Cab/Wire Program	Excel	Lines: 1, 2, 3, 4, 5	IX and Loop	Material costs for cable electronics	input to element cost model	Run program by exchange, format and summarize results	J. Heacox	No	4
17. COE Model	Excel	Lines: 7, 8, 9, 10, 11, 12, 13, 14	Switching	Material costs for central office equipment	Input to element cost model	Input to swinput.xls, run nripice8.xls for each switch, and output to coemodel.xls	J. Fontenoy	No	16
18. Cost Results	Excel	Files: COE.XLS and CWF.XLS	All	Annual and monthly costs for each element	Develop element costs	Input data, review and copy results, place in binder	J. Heacox	No	8
<p>Total Hours J. Heacox 155.5 J. Fontenoy 165 Total Hours 320.50</p> <p>Total Days (8 Hour Days) J. Heacox 19.44 J. Fontenoy 20.63 Total Days (8 Hour Days) 40.06</p> <p>Weeks J. Heacox 8.01 J. Fontenoy 8.01 Maximum weeks 8.01</p>									



3. Information from the backend of the model to further describe the assumptions used.

Sheets Included:

- 1) Outside Plant
- 2) Switching Model and DSL Model
- 3) Local Loops, Terms, Trunks and Fiber Equipment
- 4) Minutes and Messages
- 5) Common and Dedicated IX Miles, Access Lines, Nid's
- 6) TELRIC Model Inputs

Outside Plant

120

Woms Summary Report

Company : 0026

Location : Bemus Point

17-Jan-01

	Quantity in kft	Material Cost	Labor Hours
026-0311 - Loop			
Aerial Cable	282.423	\$383,838	10,502
Buried Cable	99.376	\$206,209	2,953
Fiber Cable & Handholes	142.539	\$272,415	7,454
Underground Cable & MH	2.587	\$32,418	120
Total Loop	526.924	\$894,880	21,028

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	73.97%	167.250
Buried - SEB3-19:	26.03%	58.850

Percents are used to split total working lines.

026-0312 - IX

Aerial Cable & Handholes	28.350	\$56,468	1,510
Total IX	28.350	\$56,468	1,510

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$56,468	1,510

026-0313 - Drop Wire

Aerial Drop-SEA	167.250	\$42,983	1,840
Buried Drop-SEB	58.850	\$13,397	1,023
Total Drop	226.100	\$56,380	2,863

Company : 0026

Location : Clymer

17-Jan-01

	Quantity in kft	Material Cost	Labor Hours
<u>026-0441 - Loop</u>			
Aerial Cable	228.211	\$208,260	7,707
Buried Cable	322.907	\$282,778	7,651
Fiber Cable & Handholes	125.276	\$231,552	6,380
Underground Cable & MH	0.899	\$8,480	35
	<u>677.292</u>	<u>\$731,070</u>	<u>21,773</u>

<u>Drop Wire Split</u>		<u>Drop Wire Inputs</u>
Aerial - SEA:	41.41%	47.123
Buried - SEB3-19:	58.59%	66.677

Percents are used to split total working lines.

026-0442 - IX

Fiber Cable & Handholes	41.552	\$89,423	2,443
	<u>41.552</u>	<u>\$89,423</u>	<u>2,443</u>

<u>IX Split %'s</u>		
Common - 0.00%	\$0	0
Dedicated - 100.00%	\$89,423	2,443

026-0443 - Drop Wire

Aerial Drop-SEA	47.123	\$12,111	518
Buried Drop-SEB	66.677	\$15,179	1,160
	<u>113.800</u>	<u>\$27,289</u>	<u>1,678</u>

Company : 0026

Location : Ellington

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0331 - Loop

Aerial Cable	293.772	\$277,536	10,018
Buried Cable	97.143	\$145,603	2,607
Fiber Cable & Handholes	74.620	\$115,942	3,772
Underground Cable & MH	1.289	\$7,280	21
	<hr/>	<hr/>	<hr/>
Total Loop	466.824	\$546,361	16,418

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	75.15%	66.282
Buried - SEB3-19:	24.85%	21.918

Percents are used to split total working lines.

026-0332 - IX

Fiber Cable & Handholes	10.627	\$20,364	623
	<hr/>	<hr/>	<hr/>
Total IX	10.627	\$20,364	623

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$20,364	623

026-0333 - Drop Wire

Aerial Drop-SEA	66.282	\$17,034	729
Buried Drop-SEB	21.918	\$4,989	381
	<hr/>	<hr/>	<hr/>
Total Drop	88.200	\$22,024	1,110

Company : 0026

Location : Frewsburg

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0341 - Loop

Aerial Cable	370.385	\$447,563	13,400
Buried Cable	107.587	\$120,419	2,465
Fiber Cable & Handholes	124.073	\$215,956	6,734
Underground Cable & MH	2.921	\$23,639	124
	<u>604.966</u>	<u>\$807,577</u>	<u>22,723</u>

Total Loop

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	77.49%	170.945
Buried - SEB3-19:	22.51%	49.655

Percents are used to split total working lines.

026-0342 - IX

Fiber Cable & Handholes	11.420	\$22,472	617
	<u>11.420</u>	<u>\$22,472</u>	<u>617</u>

Total IX

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$22,472	617

026-0343 - Drop Wire

Aerial Drop-SEA	170.945	\$43,933	1,880
Buried Drop-SEB	49.655	\$11,304	864
	<u>220.600</u>	<u>\$55,237</u>	<u>2,744</u>

Total Drop

Company : 0026

Location : Gerry

17-Jan-01

	Quantity in kft	Material Cost	Labor Hours
026-0351 - Loop			
Aerial Cable	186.772	\$204,040	6,709
Buried Cable	49.465	\$53,645	1,149
Fiber Cable & Handholes	72.444	\$129,236	4,014
Underground Cable & MH	0.791	\$6,021	32
	<u>309.471</u>	<u>\$392,941</u>	<u>11,904</u>

<u>Drop Wire Split</u>		<u>Drop Wire Inputs</u>
Aerial - SEA:	79.06%	79.931
Buried - SEB3-19:	20.94%	21.169

Percents are used to split total working lines.

026-0352 - IX

Fiber Cable & Handholes	23.252	\$38,935	1,209
	<u>23.252</u>	<u>\$38,935</u>	<u>1,209</u>

Total IX

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$38,935	1,209

026-0353 - Drop Wire

Aerial Drop-SEA	79.931	\$20,542	879
Buried Drop-SEB	21.169	\$4,819	368
	<u>101.100</u>	<u>\$25,361</u>	<u>1,247</u>

Total Drop

Company : 0026

Location : Jamestown

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0301 - Loop

Aerial Cable	1,309.568	\$2,413,514	55,738
Buried Cable	290.393	\$502,183	8,065
Fiber Cable & Handholes	725.199	\$2,735,042	36,272
Underground Cable & MH	246.265	\$3,351,595	12,604
Total Loop	2,571.425	\$9,002,334	112,680

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	81.85%	2,615.598
Buried - SEB3-19:	18.15%	580.002

Percents are used to split total working lines.

026-0302 - IX

Fiber Cable & Handholes	157.708	\$527,894	7,753
Total IX	157.708	\$527,894	7,753

IX Split %'s

Common - 91.37%	\$482,359	7,084
Dedicated - 8.63%	\$45,534	669

026-0303 - Drop Wire

Aerial Drop-SEA	2,615.598	\$672,209	28,772
Buried Drop-SEB	580.002	\$132,034	10,086
Total Drop	3,195.600	\$804,242	38,858

Company : 0026

Location : Kennedy

17-Jan-01

Quantity in kft

Material Cost

Labor Hours

026-0361 - Loop

Aerial Cable	169.716	\$177,113	5,929
Buried Cable	65.574	\$75,063	1,680
Fiber Cable & Handholes	56.782	\$102,486	3,002
Underground Cable & MH	0.489	\$3,858	16
Total Loop	292.561	\$358,520	10,626

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	72.13%	56.695
Buried - SEB3-19:	27.87%	21.905

Percents are used to split total working lines.

026-0362 - IX

Fiber Cable & Handholes	43.265	\$70,663	2,331
Total IX	43.265	\$70,663	2,331

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$70,663	2,331

026-0363 - Drop Wire

Aerial Drop-SEA	56.695	\$14,571	624
Buried Drop-SEB	21.905	\$4,987	381
Total Drop	78.600	\$19,557	1,005

Company : 0026

Location : Lakewood

17-Jan-01

	Quantity in kft	Material Cost	Labor Hours
026-0371 - Loop			
Aerial Cable	418.539	\$772,416	17,717
Buried Cable	77.433	\$149,452	2,273
Fiber Cable & Handholes	250.999	\$471,181	13,801
Underground Cable & MH	5.208	\$83,622	291
	<u>752.178</u>	<u>\$1,476,671</u>	<u>34,083</u>

<u>Drop Wire Split</u>		<u>Drop Wire Inputs</u>
Aerial - SEA:	84.39%	410.630
Buried - SEB3-19:	15.61%	75.970

Percents are used to split total working lines.

026-0372 - IX

Fiber Cable & Handholes	49.013	\$111,898	2,808
	<u>49.013</u>	<u>\$111,898</u>	<u>2,808</u>

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$111,898	2,808

026-0373 - Drop Wire

Aerial Drop-SEA	410.630	\$105,532	4,517
Buried Drop-SEB	75.970	\$17,294	1,321
	<u>486.600</u>	<u>\$122,826</u>	<u>5,838</u>

Company : 0026

Location : Panama

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0381 - Loop

Aerial Cable	234.821	\$199,790	7,838
Buried Cable	171.797	\$192,693	4,151
Fiber Cable & Handholes	129.623	\$232,922	6,668
Underground Cable & MH	2.262	\$14,292	85
Total Loop	538.503	\$639,697	18,742

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	57.75%	65.950
Buried - SEB3-19:	42.25%	48.250

Percents are used to split total working lines.

026-0382 - IX

Fiber Cable & Handholes	40.437	\$104,568	1,864
Total IX	40.437	\$104,568	1,864

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$104,568	1,864

026-0383 - Drop Wire

Aerial Drop-SEA	65.950	\$16,949	725
Buried Drop-SEB	48.250	\$10,984	839
Total Drop	114.200	\$27,933	1,565

Company : 0026

Location : Randolph

17-Jan-01

Quantity in kft

Material Cost

Labor Hours

026-0391 - Loop

Aerial Cable	452.648	\$441,740	15,598
Buried Cable	162.890	\$185,749	3,969
Fiber Cable & Handholes	199.588	\$407,798	10,420
Underground Cable & MH	5.562	\$33,809	199
Total Loop	820.688	\$1,069,096	30,185

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	73.54%	144.279
Buried - SEB3-19:	26.46%	51.921

Percents are used to split total working lines.

026-0392 - IX

Fiber Cable & Handholes	77.940	\$127,408	4,537
Total IX	77.940	\$127,408	4,537

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$127,408	4,537

026-0393 - Drop Wire

Aerial Drop-SEA	144.279	\$37,080	1,587
Buried Drop-SEB	51.921	\$11,819	903
Total Drop	196.200	\$48,899	2,490

Company : 0026

Location : Sinclairville

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0401 - Loop

Aerial Cable	374.180	\$319,175	12,463
Buried Cable	38.651	\$41,644	912
Fiber Cable & Handholes	65.366	\$113,290	3,710
Underground Cable & MH	0.466	\$3,871	18
Total Loop	478.663	\$477,981	17,104

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	90.64%	100.336
Buried - SEB3-19:	9.36%	10.364

Percents are used to split total working lines.

026-0402 - IX

Fiber Cable & Handholes	15.700	\$21,430	698
Total IX	15.700	\$21,430	698

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$21,430	698

026-0403 - Drop Wire

Aerial Drop-SEA	100.336	\$25,786	1,104
Buried Drop-SEB	10.364	\$2,359	180
Total Drop	110.700	\$28,146	1,284

Company : 0026

Location : Steamburg

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0421 - Loop

Aerial Cable	305.141	\$289,892	10,393
Buried Cable	47.572	\$56,795	1,095
Fiber Cable & Handholes	55.902	\$100,302	3,135
Underground Cable & MH	6.188	\$42,615	222

Total Loop	414.803	\$489,605	14,844
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Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	86.51%	46.198
Buried - SEB3-19:	13.49%	7.202

Percents are used to split total working lines.

026-0422 - IX

Fiber Cable & Handholes	21.557	\$45,565	1,228
Total IX	21.557	\$45,565	1,228

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$45,565	1,228

026-0423 - Drop Wire

Aerial Drop-SEA	46.198	\$11,873	508
Buried Drop-SEB	7.202	\$1,639	125
Total Drop	53.400	\$13,512	633

Company : 0026

Location : Stedman

17-Jan-01

Quantity in kft Material Cost Labor Hours

026-0411 - Loop

Aerial Cable	294.785	\$343,322	10,744
Buried Cable	37.453	\$32,724	852
Fiber Cable & Handholes	56.848	\$102,803	3,261
Underground Cable & MH	0.271	\$2,617	12
	<hr/>	<hr/>	<hr/>
Total Loop	389.357	\$481,466	14,869

Drop Wire Split

Drop Wire Inputs

Aerial - SEA:	88.73%	104.698
Buried - SEB3-19:	11.27%	13.302

Percents are used to split total working lines.

026-0412 - IX

Fiber Cable & Handholes	34.928	\$59,338	2,049
	<hr/>	<hr/>	<hr/>
Total IX	34.928	\$59,338	2,049

IX Split %'s

Common - 0.00%	\$0	0
Dedicated - 100.00%	\$59,338	2,049

026-0413 - Drop Wire

Aerial Drop-SEA	104.698	\$26,907	1,152
Buried Drop-SEB	13.302	\$3,028	231
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Total Drop	118.000	\$29,935	1,383

UNE Input of total cable footages

Wednesday, January 17, 2001

<i>Item</i>	<i>Type</i>	<i>Total Feet</i>
Bemus Point		41 sq. mi.
026-0311	Aerial Cable	24,113,115
026-0311	Buried Cable	15,266,761
026-0311	Fiber Cable	2,434,000
026-0311	Underground Cable	2,260,100
026-0313	Aerial Drop Wire	167,250
026-0313	Buried Drop Wire	176,550
Clymer		70 sq. mi.
026-0441	Aerial Cable	11,106,303
026-0441	Buried Cable	19,073,024
026-0441	Fiber Cable	2,676,088
026-0441	Underground Cable	620,230
026-0443	Aerial Drop Wire	47,123
026-0443	Buried Drop Wire	200,031
Ellington		50 sq. mi.
026-0331	Aerial Cable	14,260,796
026-0331	Buried Cable	9,678,334
026-0331	Fiber Cable	1,193,920
026-0331	Underground Cable	30,516
026-0333	Aerial Drop Wire	66,282
026-0333	Buried Drop Wire	65,754
Frewsburg		61 sq. mi.
026-0341	Aerial Cable	26,524,965
026-0341	Buried Cable	6,244,283
026-0341	Fiber Cable	2,079,936
026-0341	Underground Cable	1,299,600
026-0343	Aerial Drop Wire	170,945
026-0343	Buried Drop Wire	148,965
Gerry		32 sq. mi.

	<i>Item</i>	<i>Type</i>	<i>Total Feet</i>	
<i>Gerry</i>				<i>32 sq. mi.</i>
	026-0351	Aerial Cable	11,136,207	
	026-0351	Buried Cable	3,000,145	
	026-0351	Fiber Cable	1,219,616	
	026-0351	Underground Cable	250,550	
	026-0353	Aerial Drop Wire	79,931	
	026-0353	Buried Drop Wire	63,507	
<i>Jamestown</i>				<i>50 sq. mi.</i>
	026-0301	Aerial Cable	423,759,408	
	026-0301	Buried Cable	73,413,658	
	026-0301	Fiber Cable	25,058,272	
	026-0301	Underground Cable	630,270,290	
	026-0303	Aerial Drop Wire	5,231,196	
	026-0303	Buried Drop Wire	3,480,012	
<i>Kennedy</i>				<i>27 sq. mi.</i>
	026-0361	Aerial Cable	9,601,538	
	026-0361	Buried Cable	6,194,480	
	026-0361	Fiber Cable	908,512	
	026-0361	Underground Cable	206,500	
	026-0363	Aerial Drop Wire	56,695	
	026-0363	Buried Drop Wire	65,715	
<i>Lakewood</i>				<i>37 sq. mi.</i>
	026-0371	Aerial Cable	65,358,921	
	026-0371	Buried Cable	10,190,264	
	026-0371	Fiber Cable	4,263,360	
	026-0371	Underground Cable	9,056,785	
	026-0373	Aerial Drop Wire	410,630	
	026-0373	Buried Drop Wire	227,910	
<i>Panama</i>				<i>33 sq. mi.</i>
	026-0381	Aerial Cable	19,479,840	
	026-0381	Buried Cable	24,648,072	

	<i>Item</i>	<i>Type</i>	<i>Total Feet</i>	
<i>Panama</i>				<i>33 sq. mi.</i>
	026-0381	Fiber Cable	5,345,752	
	026-0381	Underground Cable	649,100	
	026-0383	Aerial Drop Wire	131,900	
	026-0383	Buried Drop Wire	289,500	
<i>Randolph</i>				<i>75 sq. mi.</i>
	026-0391	Aerial Cable	24,103,362	
	026-0391	Buried Cable	11,541,766	
	026-0391	Fiber Cable	3,256,664	
	026-0391	Underground Cable	667,573	
	026-0393	Aerial Drop Wire	144,279	
	026-0393	Buried Drop Wire	155,763	
<i>Sinclairville</i>				<i>63 sq. mi.</i>
	026-0401	Aerial Cable	15,660,581	
	026-0401	Buried Cable	2,666,649	
	026-0401	Fiber Cable	1,045,856	
	026-0401	Underground Cable	227,440	
	026-0403	Aerial Drop Wire	100,336	
	026-0403	Buried Drop Wire	31,092	
<i>Steamburg</i>				<i>147 sq. mi.</i>
	026-0421	Aerial Cable	13,650,079	
	026-0421	Buried Cable	2,783,154	
	026-0421	Fiber Cable	1,001,416	
	026-0421	Underground Cable	1,049,350	
	026-0423	Aerial Drop Wire	46,198	
	026-0423	Buried Drop Wire	21,606	
<i>Stedman</i>				<i>27 sq. mi.</i>
	026-0411	Aerial Cable	28,854,465	
	026-0411	Buried Cable	1,881,526	
	026-0411	Fiber Cable	909,568	
	026-0411	Underground Cable	188,600	

	<i>Item</i>	<i>Type</i>	<i>Total Feet</i>
<i>Stedman</i>			<i>27 sq. mi.</i>
	026-0413	Aerial Drop Wire	104,698
	026-0413	Buried Drop Wire	39,906

<i>Exchange Name</i>	<i>Quantity</i>	<i>DLC Size</i>
Randolph		
Access Nodes	13	150
<i>Total number of DLC's:</i>	13	1,950
Sinclairville		
Access Nodes	4	276
<i>Total number of DLC's:</i>	4	1,104
Steamburg		
Access Nodes	3	178
<i>Total number of DLC's:</i>	3	534
Stedman		
Access Nodes	3	393
<i>Total number of DLC's:</i>	3	1,179

Number of exchanges: 13

Report lists the number of DLC's placed at 18,000' intervals it will take per exchange.

If cable length is between 1,000' and 18,000' place 1 DLC

Place 1 DLC when end of cable beyond 18,000' is greater than 9,000'

ie cable must be fiber.

The From Lead and the To Lead must be the same.