New Formulas

Formula Title	Formula Address	Formula
Percentage of DLC Lines Requiring Extended Range Line Cards	New Distribution : 102	IF (GridPlantType = "Cable",0, ((PctULQReqExRange * (ULQHouseholds + ULQBusinessLines)) + (PctLLQReqExRange * (LLQHouseholds + LLQBusinessLines)) + (PctURQReqExRange * (URQHouseholds + URQBusinessLines)) + (PctLRQReqExRange * (LRQHouseholds + LRQBusinessLines))) / MAX (1, ((ULQHouseholds + ULQBusinessLines) + (LLQHouseholds + LLQBusinessLines) + (URQHouseholds + URQBusinessLines) + (LRQHouseholds + LRQBusinessLines))))
Percentage of ULQ Lines Requiring Extended Range Line Cards	New Distribution : 103	IF (ULQHorizontalfttoRoadCentroid + ULQverticalfttoRoadCentroid > BreakPointExRange,1,IF (ULQHorizontalfttoRoadCentroid + ULQverticalfttoRoadCentroid + 1.5 * ULQBackboneandBranchCableLength < BreakPointExRange,0,1 - ((BreakPointExRange - (ULQHorizontalfttoRoadCentroid + ULQverticalfttoRoadCentroid)) / (1.5 * ULQBackboneandBranchCableLength))))
Percentage of LLQ Lines Requiring Extended Range Line Cards	New Distribution : 104	IF (LLQHorizontalfttoRoadCentroid + LLQverticalfttoRoadCentroid > BreakPointExRange,1,IF (LLQHorizontalfttoRoadCentroid + LLQverticalfttoRoadCentroid + 1.5 * LLQBackboneBranchCableLength < BreakPointExRange,0,1 - ((BreakPointExRange - (LLQHorizontalfttoRoadCentroid + LLQverticalfttoRoadCentroid)) / (1.5 * LLQBackboneBranchCableLength))))

Percentage of URQ Lines Requiring Extended Range Line Cards	New Distribution : 105	IF (URQHorizontalfttoRoadCentroid + URQverticalfttoRoadCentroid > BreakPointExRange,1,IF (URQHorizontalfttoRoadCentroid + URQverticalfttoRoadCentroid + 1.5 * URQBackboneBranchCableLength < BreakPointExRange,0,1 - ((BreakPointExRange - (URQHorizontalfttoRoadCentroid + URQverticalfttoRoadCentroid)) / (1.5 * URQBackboneBranchCableLength))))
Percentage of LRQ Lines Requiring Extended Range Line Cards	New Distribution : 106	IF (LRQHorizontalfttoRoadCentroid + LRQverticalfttoRoadCentroid > BreakPointExRange,1,IF (LRQHorizontalfttoRoadCentroid + LRQverticalfttoRoadCentroid + 1.5 * LRQBackboneBranchCableLength < BreakPointExRange,0,1 - ((BreakPointExRange - (LRQHorizontalfttoRoadCentroid + LRQverticalfttoRoadCentroid)) / (1.5 * LRQBackboneBranchCableLength))))

Formula Deletes

Formula Title	Formula Address	Formula
Switched Lines Equipped	Switching : 2	SwitchedLinesInGrid
Total Lines Equipped In Switch	Switching : 3	SUMIF (OFFSET (SwitchingCLLI,0,0,LastDataRow,1) ,CLLI,OFFSET (SwitchingSwitchedLinesEquipped,0,0,LastDataRow,1))
Fixed Cost/Ln	Switching : 4	IF (TotalLinesEquippedInSwitch = 0,0, (VLOOKUP (CompanySize,COSwitchCostTable,2) * TrfSen) / TotalLinesEquippedInSwitch * (1 + VLOOKUP (CompanySize,COSwitchCostTable,6)))
Variable Cost Per Line	Switching : 5	VLOOKUP (CompanySize,COSwitchCostTable,3) / SwitchFillFactor * TrfSen * (1 + VLOOKUP (CompanySize,COSwitchCostTable,6))

Total Line Cost	Switching : 6	SwitchingFixedCostPerLine + SwitchingVariableCostPerLine
Total Switch Investment	Switching : 7	SwitchedLinesInGrid * SwitchingTotalLineCost
2111 Land Investment	Output : 23	SwitchingTotalInvestment * SwLandFactor
2121 Building Investment	Output : 24	SwitchingTotalInvestment * SwBldgFactor
2210 Central Office Switching Investment	Output : 25	SwitchingTotalInvestment
Uncapped 2230 Total DLC, DS1 Electronic Investment	Output : 26	TotalElectronics
2230 Uncapped Interoffice Facilities	Output : 27	SwitchingTotalInvestment * InterofficeSwRatio
Uncapped Total Circuit	Output : 28	TotalDLCDS1Investment + TotalInterOfficeFacilities
UnCapped NID Cost	Output : 29	TotalGridNIDCost
UnCapped 2421 Aerial Copper Cable Investment	Output : 30	AerialCopperCableInvestment
UnCapped 2422 Underground Copper Cable Investment	Output : 31	UndergroundCopperCableInvestment
UnCapped 2423 Buried Copper Cable Investment	Output : 32	BuriedCopperCableInvestment
UnCapped 2421 Aerial Fiber Cable Investment	Output : 33	AerialFiberCableInvestment
UnCapped 2422 Underground Fiber Cable Investment	Output : 34	UndergroundFiberCableInvestment
UnCapped 2423 Buried Fiber Cable Investment	Output : 35	BuriedFiberCableInvestment
UnCapped 2411 Pole Line Investment	Output : 36	PoleInvestmentAssignedCopper + PoleInvestmentAssignedFiber
UnCapped 2441 Conduit Investment	Output : 37	ConduitInvestmentAssignedCopper + ConduitInvestmentAssignedFiber
Aerial Route Length	Output : 38	MainFdrSegmentAerDistance + SubfeederAERDistance + Pt2AerialCopperDistance + Pt2AerialFiberDistance + TotalAerialDLCFDICableDistance + TotalAerialCableDistributionDistance
Buried Route Length	Output : 39	MainFdrSegmentBurDistance + SubfeederBURDistance + Pt2BuriedCopperDistance + Pt2BuriedFiberDistance + TotalburiedDLCFDICableDistance + TotalBuriedCableDistributionDistance

Underground Route Length	Output : 40	MainFdrSegmentUGDistance + SubfeederUGDistance + Pt2UGCopperDistance + Pt2UGFiberDistance + ULQUGCableDistance + LLQUGCableDistance + LeftSideCommonUGCableDistance + URQUGCableDistance + LRQUGCableDistance + RightSideCommonUGCableDistance + ULQBranchBackboneUGDistance * (NumberULQbranchcables + 1 / 2) + LLQBranchBackboneUGDistance * (NumberLLQbranchcables + 1 / 2) + URQBranchBackboneUGDistance * (NumberURQbranchcables + 1 / 2) + LRQBranchBackboneUGDistance * (NumberLRQbranchcables + 1 / 2)
Number of Poles	Output : 41	NumberMainFdrPoles + NumberSubfeederPoles + ((Pt2AerialCopperDistance + Pt2AerialFiberDistance) / VLOOKUP (Density,FeederSpacingTable,3)) + NumberofDLCFDIPoles + NumberPolesForDistribution
Number of Manholes	Output : 42	NumberMainFdrManholes + NumberSubfeederManholes + NumberSubFdrPt2Manholes + URQManholes + LRQManholes + RightSideCommonManholes + ULQManholes + LLQManholes + LeftSideCommonManholes + LRQBackboneManholes + LRQBranchManholes + URQBackboneManholes + URQBranchManholes + LLQBackboneManholes + LLQBranchManholes + ULQBackboneManholes + ULQBranchManholes
Grid Lines Served on DLC-L	Output : 43	IF (GridPlantType = "DLC - L",TotalWorkingLinesServedInGrid,0)
Grid Lines Served on DLC-S	Output : 44	IF (GridPlantType = "DLC - S",TotalWorkingLinesServedInGrid,0)
Grid Lines Served on Copper	Output : 45	IF (GridPlantType = "Cable",TotalWorkingLinesServedInGrid,0)

Number of DLC-L Terminals	Output : 46	IF (GridPlantType = "DLC - L",NumberDLCLsatFullCapacity + IF (SwitchedLinesinOverflowDLCLTerminal > 0,1,0) ,0)
Number of DLC-S Terminals	Output : 47	IF (GridPlantType = "DLC - S", 1,0)

Formula Moves

Formula Title	New Address	Old Address
Clli	Output : 1	Switching : 1

Label Changes

New Formula Title	Old Formula Title	Formula
Clli	CLLI	CLLI

BCPM

Release 3.0

Excel Logic Report Calculations

Workbook: E:\bcpm3 Master Copy\Modules\rptcalc\Rptcalc.xls

File date: 12/11/97 3:48:28 AM
Comments:

Worksheets:
Inputs
Inputs-Switching
Inputs-Transport
Investment
Support Investment
Annual Cost Factors
Depreciation
Return
Tax
Expenses Res
Expenses Bus
Aggregate Support
Output
Expense Inputs
State Specific Inputs
Signaling Inputs
Capital Cost Inputs
Company Inputs

Sheet: Inputs

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	Clli	Clli			
B	StateId	State Id			
C	CoSize	Company Size			
D	Density	Density			
E	FDICode	FDI Code			
F	AvgDistrLength	Lines Times Average Distribution Length			

G	AvgFeederLength	Lines Times Average Feeder Length			
H	SqMiles	Area-sq Miles			
I	CappedCostFactor	Capped Cost Factor			
J	ResLines	Residence Lines			
K	SingleBusLines	Single Business Lines			
L	HouseHolds	Total House Holds			
M	BusLines	Total Business Lines			
N	GridLines	Total Lines Served in Grid			
O	AvgLoopLength	Average Loop Length			
P	LinesLoopLength	Total Lines Loop Length			
Q	DistrCost	Total Distribution Cost			
R	FeederCost	Grand Total Feeder Cost			
S	LoopCost	UnCapped Total Loop Cost			
T	PerLineCost	Actual Loop Cost Per Line			
U	CapPerLineCost	Capped Loop Cost Per Line			
V	CapLoopCost	Capped Total Loop Cost			
W		2111 Land Investment COLUMN NOT USED IN BCPM3.0			

X		2121 Building Investment COLUMN NOT USED IN BCPM3.0			
Y		2210 Central Office Switching Investment COLUMN NOT USED IN BCPM3.0			
Z	CircuitInv	Uncapped 2230 Total DLC, DS1 Electronic Investment			
AA		2230 Uncapped Interoffice Facilities COLUMN NOT USED IN BCPM3.0			
AB	TotalElectronics	Uncapped Total Circuit			
AC	NIDCost	UnCapped NID Cost			
AD	AerialCopperInv	UnCapped 2421 Aerial Copper Cable Investment			
AE	UndergndCopperInv	UnCapped 2422 Underground Copper Cable Investment			
AF	BuriedCopperInv	UnCapped 2423 Buried Copper Cable Investment			

AG	AerialFiberInv	UnCapped 2421 Aerial Fiber Cable Investment			
AH	UndergndFiber Inv	UnCapped 2422 Underground Fiber Cable Investment			
AI	BuriedFiberIn v	UnCapped 2423 Buried Fiber Cable Investment			
AJ	PoleInv	UnCapped 2411 Pole Line Investment			
AK	ConduitInv	UnCapped 2441 Conduit Investment			
AL	AerialRouteLe ngth	Aerial Route Length			
AM	BuriedRouteL ength	Buried Route Length			
AN	UndergroundR outeLength	Underground Route Length			
AO	NumberofPole s	Number of Poles			
AP	NumberofMan holes	Number of Manholes			
AQ	GridLinesServ edonDLC_L	Grid Lines Served on DLC-L			
AR	GridLinesServ edonDLC_S	Grid Lines Served on DLC-S			
AS	GridLinesServ edonCopper	Grid Lines Served on Copper			
AT	NumberofDLC _LTerminals	Number of DLC-L Terminals			

AU	NumberofDLC_STerminals	Number of DLC-S Terminals			

Sheet: Inputs-Switching

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	SwitchCLLI	Clli			
B	SwitchInvLine	2210 Switch Line			
C	SwitchInvUsage	2210 Switch Usage			
D	LandInvLine	2111 Land Investment Line			
E	LandInvUsage	2111 Land Investment Usage			
F	BldgInvLine	2121 Building Investment Line			
G	BldgInvUsage	2121 Building Investment Usage			
H	Tandem	2210 Switch Tandem			
I	LandInvTandem	2111 Land Investment Tandem			
J	BldgInvTandem	2121 Building Investment Tandem			

Sheet: Inputs-Transport

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	TransportCLLI	Clli			
B	IOFInvLine	2232 Trasport Line			

Sheet: Investment

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	CableAndWireInv	UnCapped 2410 Cable and Wire Investments		= AerialCopperInv + BuriedCopperInv + UndergndCopperInv + AerialFiberInv + BuriedFiberInv + UndergndFiberInv + PoleInv + ConduitInv	
B	SigInv	Signaling Investment		= ResLines * IF (ISNA (HLOOKUP (CoSize, SignalingInvestmentsLookup, 1)) , 0, HLOOKUP (CoSize, SignalingInvestmentsLookup, 1) + BusLines * HLOOKUP (CoSize, SignalingInvestmentsLookup, 2))	
C	SWInv	2210 Uncapped Switching and Signaling Investment		= (IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 2)) , 0, VLOOKUP (CLLI, SwitchingTable, 2)) + IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 3)) , 0, VLOOKUP (CLLI, SwitchingTable, 3)) + IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 8)) , 0, VLOOKUP (CLLI, SwitchingTable, 8))) * (BusLines + ResLines) + SigInv	
D	IOFInv	2232 Uncapped IOF Investment		= IF (ISNA (VLOOKUP (CLLI, TransportTable, 2)) , 0, VLOOKUP (CLLI, TransportTable, 2)) * (BusLines + ResLines)	
E	BldgInv	2121 Uncapped Building Investment		= (IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 6)) , 0, VLOOKUP (CLLI, SwitchingTable, 6)) + IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 7)) , 0, VLOOKUP (CLLI, SwitchingTable, 7)) + IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 10)) , 0, VLOOKUP (CLLI, SwitchingTable, 10))) * (BusLines + ResLines)	
F	LandInv	2111 Uncapped Land Investment		= (IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 4)) , 0, VLOOKUP (CLLI, SwitchingTable, 4)) + IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 5)) , 0, VLOOKUP (CLLI, SwitchingTable, 5)) + IF (ISNA (VLOOKUP (CLLI, SwitchingTable, 10)) , 0, VLOOKUP (CLLI, SwitchingTable, 9))) * (BusLines + ResLines)	
G	InvExLandBldgSupport	Total Investment Excluding Land & Buildings & Support		= CableAndWireInv + SwitchInv + CircuitInv + IOFInv	
H	TotalTelephonePlantInv	UnCapped Total Telephone Plant Investment		= InvExLandBldgSupport + OtherInvInclLandBldg	
I	CapCircuitInv	Capped 2230 Circuit Investment		= CappedCostFactor * CircuitInv	

J	CapAerialCopperInv	Capped 2421 Aerial Copper Cable Investment		= CappedCostFactor * AerialCopperInv	
K	CapUndergndCopperInv	Capped 2422 Underground Copper Cable Investment		= CappedCostFactor * UndergndCopperInv	
L	CapBuriedCopperInv	Capped 2423 Buried Copper Cable Investment		= CappedCostFactor * BuriedCopperInv	
M	CapAerialFiberInv	Capped 2421 Aerial Fiber Cable Investment		= CappedCostFactor * AerialFiberInv	
N	CapUndergndFiberInv	Capped 2422 Underground Fiber Cable Investment		= CappedCostFactor * UndergndFiberInv	
O	CapBuriedFiberInv	Capped 2423 Buried Fiber Cable Investment		= CappedCostFactor * BuriedFiberInv	
P	CapPoleInv	Capped 2411 Pole Line Investment		= CappedCostFactor * PoleInv	
Q	CapConduitInv	Capped 2441 Conduit Investment		= CappedCostFactor * ConduitInv	
R	CapCableAndWireInv	Capped 2410 Total Cable and Wire Investments		= CapAerialCopperInv + CapBuriedCopperInv + CapUndergndCopperInv + CapAerialFiberInv + CapBuriedFiberInv + CapUndergndFiberInv + CapPoleInv + CapConduitInv	

S	CapInvExLand BldgSupport	Capped Total Investment Excluding Land & Buildings & Support		= CapCableAndWireInv + SwitchInv + CapCircuitInv + IOFInv	
T		Capped Total Telephone Plant Investment		= CapInvExLandBldgSupport + CapOtherInvInclLandBldg	

Sheet: Support Investment

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	MotorVehSupport	UnCapped 2112 Motor Vehicles		= InvExLandBldgSupport * OFFSET (SupportRatio, 0, CoSize)	
B	SPVehSupport	UnCapped 2114 Special Purpose Vehicles		= InvExLandBldgSupport * OFFSET (SupportRatio, 1, CoSize)	
C	GarageWorkSupport	UnCapped 2115 Garage Work Equipment		= InvExLandBldgSupport * OFFSET (SupportRatio, 2, CoSize)	
D	OtherWorkSupport	UnCapped 2116 Other Work Equipment		= InvExLandBldgSupport * OFFSET (SupportRatio, 3, CoSize)	
E	NetworkSupport	UnCapped 2110 Network Support		= LandInv + MotorVehSupport + SPVehSupport + GarageWorkSupport + OtherWorkSupport	
F	FurnitureSupport	UnCapped 2122 Furniture Support Investment		= InvExLandBldgSupport * OFFSET (SupportRatio, 4, CoSize)	
G	OfficeSupport	UnCapped 2123 Office Support Investment		= InvExLandBldgSupport * OFFSET (SupportRatio, 5, CoSize)	
H	GPComputersSupport	UnCapped 2124 General Purpose Computers		= InvExLandBldgSupport * OFFSET (SupportRatio, 6, CoSize)	
I	GeneralSupport	UnCapped 2120 General Support		= BldgInv + FurnitureSupport + OfficeSupport + GPComputersSupport	
J	OtherInvInclLandBldg	UnCapped 2110 Land and Support Investment		= NetworkSupport + GeneralSupport	

K	CapMotorVeh Support	Capped 2112 Motor Vehicles		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 0, CoSize)	
L	CapSPVehSup port	Capped 2114 Special Purpose Vehicles		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 1, CoSize)	
M	CapGarageWo rkSupport	Capped 2115 Garage Work Equipment		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 2, CoSize)	
N	CapOtherWor kSupport	Capped 2116 Other Work Equipment		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 3, CoSize)	
O	CapNetworkSu pport	Capped 2110 Network Support		= LandInv + CapMotorVehSupport + CapSPVehSupport + CapGarageWorkSupport + CapOtherWorkSupport	
P	CapFurnitureS upport	Capped 2122 Furniture Support Investment		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 4, CoSize)	
Q	CapOfficeSup port	Capped 2123 Office Support Investment		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 5, CoSize)	
R	CapGPComput ersSupport	Capped 2124 General Purpose Computers		= CapInvExLandBldgSupport * OFFSET (SupportRatio, 6, CoSize)	
S	CapGeneralSu pport	Capped 2120 General Support		= BldgInv + CapFurnitureSupport + CapOfficeSupport + CapGPComputersSupport	
T	CapOtherInvIn clLandBldg	Capped 2110 Land and Support Investment		= CapNetworkSupport + CapGeneralSupport	

Sheet: Annual Cost Factors

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	AcfLand	2111 Land Investment		= LandInv * OFFSET (AnnualCostFactor, LandOffset, 0)	
B	AcfBldg	2121 Building Investment		= BldgInv * OFFSET (AnnualCostFactor, BldgOffset, 0)	
C	AcfMotorVeh Support	UnCapped 2112 Motor Vehicles		= MotorVehSupport * OFFSET (AnnualCostFactor, MotorVehOffset, 0)	
D	AcfSPVehSup port	UnCapped 2114 Special Purpose Vehicles		= SPVehSupport * OFFSET (AnnualCostFactor, SPVehOffset, 0)	
E	AcfGarageWo rkSupport	UnCapped 2115 Garage Work Equipment		= GarageWorkSupport * OFFSET (AnnualCostFactor, GarageWorkOffset, 0)	
F	AcfOtherWork Support	UnCapped 2116 Other Work Equipment		= OtherWorkSupport * OFFSET (AnnualCostFactor, OtherWorkOffset, 0)	
G	AcfFurnitureS upport	UnCapped 2122 Furniture Support Investment		= FurnitureSupport * OFFSET (AnnualCostFactor, FurnitureOffset, 0)	
H	AcfOfficeSupp ort	UnCapped 2123 Office Support Investment		= OfficeSupport * OFFSET (AnnualCostFactor, OfficeOffset, 0)	
I	AcfGPComput ersSupport	UnCapped 2124 General Purpose Computers		= GPComputersSupport * OFFSET (AnnualCostFactor, GPComputersOffset, 0)	
J	AcfSwitch	2210 Total Switch Investment		= SwitchInv * OFFSET (AnnualCostFactor, SwitchOffset, 0)	
K	AcfCircuit	UnCapped 2230 Circuit Investment		= CircuitInv * OFFSET (AnnualCostFactor, CircuitOffset, 0)	

L	AcfIof	2230 IOF Investment		= IOFInv * OFFSET (AnnualCostFactor, CircuitOffset, 0)	
M	AcfAerialCopper	UnCapped 2421 Aerial Copper Cable Investment		= AerialCopperInv * OFFSET (AnnualCostFactor, AerialCopperOffset, 0)	
N	AcfUndergndCopper	UnCapped 2422 Underground Copper Cable Investment		= UndergndCopperInv * OFFSET (AnnualCostFactor, UndergndCopperOffset, 0)	
O	AcfBuriedCopper	UnCapped 2423 Buried Copper Cable Investment		= BuriedCopperInv * OFFSET (AnnualCostFactor, BuriedCopperOffset, 0)	
P	AcfAerialFiber	UnCapped 2421 Aerial Fiber Cable Investment		= AerialFiberInv * OFFSET (AnnualCostFactor, AerialFiberOffset, 0)	
Q	AcfUndergndFiber	UnCapped 2422 Underground Fiber Cable Investment		= UndergndFiberInv * OFFSET (AnnualCostFactor, UndergndFiberOffset, 0)	
R	AcfBuriedFiber	UnCapped 2423 Buried Fiber Cable Investment		= BuriedFiberInv * OFFSET (AnnualCostFactor, BuriedFiberOffset, 0)	
S	AcfPole	UnCapped 2411 Pole Line Investment		= PoleInv * OFFSET (AnnualCostFactor, PoleOffset, 0)	
T	AcfConduit	UnCapped 2441 Conduit Investment		= ConduitInv * OFFSET (AnnualCostFactor, ConduitOffset, 0)	
U	AcfAnnualCapitalCost	Uncapped Total Annual Capital Cost		= AcfLand + AcfBldg + AcfMotorVehSupport + AcfSPVehSupport + AcfGarageWorkSupport + AcfOtherWorkSupport + AcfFurnitureSupport + AcfOfficeSupport + AcfGPComputersSupport + AcfSwitch + AcfCircuit + AcfIof + AcfAerialCopper + AcfUndergndCopper + AcfBuriedCopper + AcfAerialFiber + AcfUndergndFiber + AcfBuriedFiber + AcfPole + AcfConduit	
V	AcfMonthlyCapitalCost	UnCapped Monthly Capital Cost		= IF (GridLines = 0, 0, AcfAnnualCapitalCost / GridLines / 12)	

W	CapAcfMotor VehSupport	Capped 2112 Motor Vehicles		= CapMotorVehSupport * OFFSET (AnnualCostFactor, MotorVehOffset, 0)	
X	CapAcfSPVeh Support	Capped 2114 Special Purpose Vehicles		= CapSPVehSupport * OFFSET (AnnualCostFactor, SPVehOffset, 0)	
Y	CapAcfGarage WorkSupport	Capped 2115 Garage Work Equipment		= CapGarageWorkSupport * OFFSET (AnnualCostFactor, GarageWorkOffset, 0)	
Z	CapAcfOther WorkSupport	Capped 2116 Other Work Equipment		= CapOtherWorkSupport * OFFSET (AnnualCostFactor, OtherWorkOffset, 0)	
AA	CapAcfFurnitu reSupport	Capped 2122 Furniture Support Investment		= CapFurnitureSupport * OFFSET (AnnualCostFactor, FurnitureOffset, 0)	
AB	CapAcfOffice Support	Capped 2123 Office Support Investment		= CapOfficeSupport * OFFSET (AnnualCostFactor, OfficeOffset, 0)	
AC	CapAcfGPCo mputersSuppor t	Capped 2124 General Purpose Computers		= CapGPComputersSupport * OFFSET (AnnualCostFactor, GPComputersOffset, 0)	
AD	CapAcfCircuit	Capped 2230 Circuit Investment		= CapCircuitInv * OFFSET (AnnualCostFactor, CircuitOffset, 0)	
AE	CapAcfAerial Copper	Capped 2421 Aerial Copper Cable Investment		= CapAerialCopperInv * OFFSET (AnnualCostFactor, AerialCopperOffset, 0)	
AF	CapAcfUnderg ndCopper	Capped 2422 Underground Copper Cable Investment		= CapUndergndCopperInv * OFFSET (AnnualCostFactor, UndergndCopperOffset, 0)	

AG	CapAcfBuried Copper	Capped 2423 Buried Copper Cable Investment		= CapBuriedCopperInv * OFFSET (AnnualCostFactor, BuriedCopperOffset, 0)	
AH	CapAcfAerialFiber	Capped 2421 Aerial Fiber Cable Investment		= CapAerialFiberInv * OFFSET (AnnualCostFactor, AerialFiberOffset, 0)	
AI	CapAcfUndergndFiber	Capped 2422 Underground Fiber Cable Investment		= CapUndergndFiberInv * OFFSET (AnnualCostFactor, UndergndFiberOffset, 0)	
AJ	CapAcfBuried Fiber	Capped 2423 Buried Fiber Cable Investment		= CapBuriedFiberInv * OFFSET (AnnualCostFactor, BuriedFiberOffset, 0)	
AK	CapAcfPole	Capped 2411 Pole Line Investment		= CapPoleInv * OFFSET (AnnualCostFactor, PoleOffset, 0)	
AL	CapAcfConduit	Capped 2441 Conduit Investment		= CapConduitInv * OFFSET (AnnualCostFactor, ConduitOffset, 0)	
AM	CapAnnualCapitalCost	Capped Total Annual Capital Cost		= AcfLand + AcfBldg + CapAcfMotorVehSupport + CapAcfSPVehSupport + CapAcfGarageWorkSupport + CapAcfOtherWorkSupport + CapAcfFurnitureSupport + CapAcfOfficeSupport + CapAcfGPComputersSupport + AcfSwitch + CapAcfCircuit + AcfIof + CapAcfAerialCopper + CapAcfUndergndCopper + CapAcfBuriedCopper + CapAcfAerialFiber + CapAcfUndergndFiber + CapAcfBuriedFiber + CapAcfPole + CapAcfConduit	
AN	CapMonthlyCapCost	Capped Monthly Capital Cost		= IF (GridLines = 0, 0, CapAnnualCapitalCost / GridLines / 12)	

Sheet: Depreciation

Col	Range Name	Column Name	Column Comment	Formula	Formula Comment
A	DepLand	2111 Land Investment		= LandInv * OFFSET (DepAnnualCostFactor, LandOffset, 0)	
B	DepBldg	2121 Building Investment		= BldgInv * OFFSET (DepAnnualCostFactor, BldgOffset, 0)	
C	DepMotorVehSupport	UnCapped 2112 Motor Vehicles		= MotorVehSupport * OFFSET (DepAnnualCostFactor, MotorVehOffset, 0)	
D	DepSPVehSupport	UnCapped 2114 Special Purpose Vehicles		= SPVehSupport * OFFSET (DepAnnualCostFactor, SPVehOffset, 0)	
E	DepGarageWorkSupport	UnCapped 2115 Garage Work Equipment		= GarageWorkSupport * OFFSET (DepAnnualCostFactor, GarageWorkOffset, 0)	
F	DepOtherWorkSupport	UnCapped 2116 Other Work Equipment		= OtherWorkSupport * OFFSET (DepAnnualCostFactor, OtherWorkOffset, 0)	
G	DepFurnitureSupport	UnCapped 2122 Furniture Support Investment		= FurnitureSupport * OFFSET (DepAnnualCostFactor, FurnitureOffset, 0)	
H	DepOfficeSupport	UnCapped 2123 Office Support Investment		= OfficeSupport * OFFSET (DepAnnualCostFactor, OfficeOffset, 0)	
I	DepGPComputersSupport	UnCapped 2124 General Purpose Computers		= GPComputersSupport * OFFSET (DepAnnualCostFactor, GPComputersOffset, 0)	
J	DepSwitch	2210 Total Switch Investment		= SwitchInv * OFFSET (DepAnnualCostFactor, SwitchOffset, 0)	
K	DepCircuit	UnCapped 2230 Circuit Investment		= CircuitInv * OFFSET (DepAnnualCostFactor, CircuitOffset, 0)	

L	DepIof	2230 IOF Investment		= IOFInv * OFFSET (DepAnnualCostFactor, CircuitOffset, 0)	
M	DepAerialCopper	UnCapped 2421 Aerial Copper Cable Investment		= AerialCopperInv * OFFSET (DepAnnualCostFactor, AerialCopperOffset, 0)	
N	DepUndergndCopper	UnCapped 2422 Underground Copper Cable Investment		= UndergndCopperInv * OFFSET (DepAnnualCostFactor, UndergndCopperOffset, 0)	
O	DepBuriedCopper	UnCapped 2423 Buried Copper Cable Investment		= BuriedCopperInv * OFFSET (DepAnnualCostFactor, BuriedCopperOffset, 0)	
P	DepAerialFiber	UnCapped 2421 Aerial Fiber Cable Investment		= AerialFiberInv * OFFSET (DepAnnualCostFactor, AerialFiberOffset, 0)	
Q	DepUndergndFiber	UnCapped 2422 Underground Fiber Cable Investment		= UndergndFiberInv * OFFSET (DepAnnualCostFactor, UndergndFiberOffset, 0)	
R	DepBuriedFiber	UnCapped 2423 Buried Fiber Cable Investment		= BuriedFiberInv * OFFSET (DepAnnualCostFactor, BuriedFiberOffset, 0)	
S	DepPole	UnCapped 2411 Pole Line Investment		= PoleInv * OFFSET (DepAnnualCostFactor, PoleOffset, 0)	
T	DepConduit	UnCapped 2441 Conduit Investment		= ConduitInv * OFFSET (DepAnnualCostFactor, ConduitOffset, 0)	
U	AnnualDepCost	UnCapped Total Annual 6560 Depreciation		= DepLand + DepBldg + DepMotorVehSupport + DepSPVehSupport + DepGarageWorkSupport + DepOtherWorkSupport + DepFurnitureSupport + DepOfficeSupport + DepGPComputersSupport + DepSwitch + DepCircuit + DepIof + DepAerialCopper + DepUndergndCopper + DepBuriedCopper + DepAerialFiber + DepUndergndFiber + DepBuriedFiber + DepPole + DepConduit	

V	MonthlyDepCost	UnCapped Monthly Depreciation Cost		= IF (GridLines = 0, 0, AnnualDepCost / GridLines / 12)	
W	CapDepMotorVehSupport	Capped 2112 Motor Vehicles		= CapMotorVehSupport * OFFSET (DepAnnualCostFactor, MotorVehOffset, 0)	
X	CapDepSPVehSupport	Capped 2114 Special Purpose Vehicles		= CapSPVehSupport * OFFSET (DepAnnualCostFactor, SPVehOffset, 0)	
Y	CapDepGarageWorkSupport	Capped 2115 Garage Work Equipment		= CapGarageWorkSupport * OFFSET (DepAnnualCostFactor, GarageWorkOffset, 0)	
Z	CapDepOtherWorkSupport	Capped 2116 Other Work Equipment		= CapOtherWorkSupport * OFFSET (DepAnnualCostFactor, OtherWorkOffset, 0)	
AA	CapDepFurnitureSupport	Capped 2122 Furniture Support Investment		= CapFurnitureSupport * OFFSET (DepAnnualCostFactor, FurnitureOffset, 0)	
AB	CapDepOfficeSupport	Capped 2123 Office Support Investment		= CapOfficeSupport * OFFSET (DepAnnualCostFactor, OfficeOffset, 0)	
AC	CapDepGPComputersSupport	Capped 2124 General Purpose Computers		= CapGPComputersSupport * OFFSET (DepAnnualCostFactor, GPComputersOffset, 0)	
AD	CapDepCircuit	Capped 2230 Circuit Investment		= CapCircuitInv * OFFSET (DepAnnualCostFactor, CircuitOffset, 0)	
AE	CapDepAerialCopper	Capped 2421 Aerial Copper Cable Investment		= CapAerialCopperInv * OFFSET (DepAnnualCostFactor, AerialCopperOffset, 0)	