COSize	Tech2	Tech3	PlantMix	Terrain	Density	PlantAcct	CostDriver	CostFam	CostArea	CostCntr	Units	GorB	UnitsUOM	MinCapacity	MaxCapacity	UnitCapacity	MaterialAmount	NonMaterialAmount	TotalAmount	NodeDemand	Multiplier	OutputField
ALL	Copper	FTTD	NA	NA	%	Circuit	Subscribers	Dist	CPE	Modem	1	A	Count	0	10000000	1	35.44	13.99	0.00	T1.DataTake	None	Node4_CPEInv_S
ALL	Copper	FTTD	NA	NA	%	Circuit	Subscribers	Dist	CPE	STB	1	A	Count	0	10000000	1	0.00	0.00	0.00	T1.VideoTake	None	Node4_CPEVideoInv_S
ALL	Copper	FTTD	NA	NA	%	BuriedCU	Locations	Dist	NID	NA	1	G	Count	0	10000000	1	8.33	49.76	0.00	T1.DataTake	None	Node4_CCableInv_L
ALL	Copper	FTTD	NA	NA	%	BuriedCU	Locations	Dist	Drop	NA	1	G	Length	0	10000000	1	0.10	1.17	0.00	T1.Node4Cable	DataTakeRate	Node4_CCableInv_L
ALL	Copper	FTTD	NA	NA	%	BuriedCU	Locations	Dist	DTBT	NA	1	G	Count	0	10000000	1	136.11	130.18	0.00	T1.Node3EquipQty	None	Node3_CCableInv_L
ALL	Copper	FTTD	Buried	NA	%	BuriedCU	Locations	Dist	Conditioning	NA	1	B	Count	0	10000000	1	0.00	100.00	0.00	T1.Node4WorkingCust	None	Node3_CCableInv_L
ALL	Copper	FTTD	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Length	0	10000000	1	0.72	0.15	0.00	T1.Node3Cable	None	Node3_CCableInv_L
ALL	Copper	FTTD	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Length	0	10000000	1	0.55	0.11	0.00	T1.Node3Cable	None	Node3_CCableInv_L
ALL	Copper	FTTD	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Length	0	10000000	1	0.56	0.12	0.00	T1.Node3Cable	None	Node3_CCableInv_L
ALL	Copper	FTTD	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Length	0	10000000	1	0.00	1.39	0.00	T1.Node3Cable	DistPlacing	Node3_CCableInv_L
ALL	Copper	FTTD	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Length	0	10000000	1	0.00	0.01	0.00	T1.Node3Cable	DistPlacing	Node3_CCableInv_L
ALL	Copper	FTTD	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Length	0	10000000	1	0.00	1.67	0.00	T1.Node3Cable	DistPlacing	Node3_CCableInv_L
ALL	Copper	FTTD	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Count	0	10000000	1	0.00	1.73	0.00	T1.Node3CableSplice	None	Node3_CCableInv_L
ALL	Copper	FTTD	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Count	0	10000000	1	0.00	1.71	0.00	T1.Node3CableSplice	None	Node3_CCableInv_L
ALL	Copper	FTTD	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Count	0	10000000	1	0.00	2.11	0.00	T1.Node3CableSplice	None	Node3_CCableInv_L
ALL	Copper	FTTD	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Count	0	10000000	1	0.00	63.54	0.00	T1.Node3CableSpliceSU	None	Node3_CCableInv_L
ALL	Copper	FTTD	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Count	0	10000000	1	0.00	84.04	0.00	T1.Node3CableSpliceSU	None	Node3_CCableInv_L
ALL	Copper	FTTD	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Count	0	10000000	1	0.00	149.83	0.00	T1.Node3CableSpliceSU	None	Node3_CCableInv_L
ALL	Copper	FTTD	Aerial	Normal	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureNormal	StructureN	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Normal	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	5.34	14.49	0.00	T1.Node3StructureNormal	StructureN	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Normal	Rural	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	3.40	0.00	T1.Node3StructureNormal	StructureN	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Medium	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureMedium	StructureM	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Medium	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	5.34	15.05	0.00	T1.Node3StructureMedium	StructureM	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Medium	Rural	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	4.13	0.00	T1.Node3StructureMedium	StructureM	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Hard	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureHard	StructureH	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Hard	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	5.34	18.51	0.00	T1.Node3StructureHard	StructureH	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Hard	Rural	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	5.68	0.00	T1.Node3StructureHard	StructureH	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Normal	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureNormal	StructureN	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Normal	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	4.78	16.07	0.00	T1.Node3StructureNormal	StructureN	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Normal	Suburban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	6.16	0.00	T1.Node3StructureNormal	StructureN	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Medium	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureMedium	StructureM	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Medium	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	4.78	16.09	0.00	T1.Node3StructureMedium	StructureM	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Medium	Suburban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	6.24	0.00	T1.Node3StructureMedium	StructureM	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Hard	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureHard	StructureH	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Hard	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	4.78	19.95	0.00	T1.Node3StructureHard	StructureH	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Hard	Suburban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	7.22	0.00	T1.Node3StructureHard	StructureH	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Normal	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureNormal	StructureN	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Normal	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	4.65	19.37	0.00	T1.Node3StructureNormal	StructureN	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Normal	Urban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	7.42	0.00	T1.Node3StructureNormal	StructureN	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Medium	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureMedium	StructureM	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Medium	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	4.65	19.37	0.00	T1.Node3StructureMedium	StructureM	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Medium	Urban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	7.42	0.00	T1.Node3StructureMedium	StructureM	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	Hard	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	T1.Node3StructureHard	StructureH	Node3_ACStructureInv_L
ALL	Copper	FTTD	Ugd	Hard	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	10000000	1	4.65	23.73	0.00	T1.Node3StructureHard	StructureH	Node3_UCStructureInv_L
ALL	Copper	FTTD	Buried	Hard	Urban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	10000000	1	0.00	7.42	0.00	T1.Node3StructureHard	StructureH	Node3_BCStructureInv_L
ALL	Copper	FTTD	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Length	0	10000000	1	0.31	0.08	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Length	0	10000000	1	0.33	0.03	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Length	0	10000000	1	0.31	0.04	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Length	0	10000000	1	0.00	1.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Copper	FTTD	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Length	0	10000000	1	0.00	0.01	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Copper	FTTD	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Length	0	10000000	1	0.00	1.93	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Copper	FTTD	NA	NA	%	BuriedFO	Node2	Fdr	COTFiberTerm	NA	1	A	Count	0	10000000	1	18.10	4.80	0.00	One	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Count	0	10000000	1	0.00	11.60	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Count	0	10000000	1	0.00	11.28	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Count	0	10000000	1	0.00	11.72	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Count	0	10000000	1	0.00	85.04	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Count	0	10000000	1	0.00	88.79	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Count	0	10000000	1	0.00	145.24	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTD	NA	NA	%	BuriedFO	Node2	Fdr	FDI	NA	1	G	Count	0	10000000	1	850.26	994.64	0.00	One	PercentOfNode2	Node2_CCableInv_2
ALL	Copper	FTTD	Aerial	Normal	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Normal	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	10000000	1	4.32	13.97	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Normal	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	10000000	1	0.00	3.40	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Medium	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Medium	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	10000000	1	4.32	14.53	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Medium	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	10000000	1	0.00	4.13	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Hard	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Hard	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	10000000	1	4.32	17.99	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Hard	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	10000000	1	0.00	5.68	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Normal	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Normal	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	10000000	1	3.76	15.55	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Normal	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	10000000	1	0.00	6.16	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Medium	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Medium	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	10000000	1	3.76	15.56	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Medium	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	10000000	1	0.00	6.24	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Hard	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Hard	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	10000000	1	3.76	19.43	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Hard	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	10000000	1	0.00	7.22	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Normal	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Normal	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	10000000	1	3.63	18.84	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Normal	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	10000000	1	0.00	7.42	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Medium	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Medium	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	10000000	1	3.63	18.84	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Medium	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	10000000	1	0.00	7.42	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_BFStructureInv_2
ALL	Copper	FTTD	Aerial	Hard	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	10000000	1	0.64	1.55	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_AFStructureInv_2
ALL	Copper	FTTD	Ugd	Hard	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	10000000	1	3.63	23.20	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_UFStructureInv_2
ALL	Copper	FTTD	Buried	Hard	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	10000000	1	0.00	7.42	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_BFStructureInv_2
ALL	Copper	FTTD	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	1	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	1	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	43	43	8370.00	5786.23	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	44	86	86	16740.00	11572.46	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	87	10000000	691	12750.00	8814.15	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	0	0	1	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTD	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	0	43	21	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTD	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	44	86	43	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTD	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	87	10000000	43	3100.00	2143.05	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTD	Aerial	NA	%	AerialFO	Node2	MM	AerialFO	NA	1	A	Length	0	10000000	1	0.48	0.73	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Copper	FTTD	Ugd	NA	%	BuriedFO	Node2	MM	BuriedFO	NA	1	A	Length	0	10000000	1	0.48	0.05	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Copper	FTTD	Buried	NA	%	UgdFO	Node2	MM	UgdFO	NA	1	A	Length	0	10000000	1	0.48	1.22	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Copper	FTTD	Aerial	Normal	Suburban	Pole	Node2	MM	Pole	Suburban	1	G	Length	0	10000000	1	0.08	0.20	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_AFStructureInv_0
ALL	Copper	FTTD	Ugd	Normal	Suburban	Conduit	Node2	MM	Conduit	Suburban	1	G	Length	0	10000000	1	0.43	1.77	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_UFStructureInv_0

ALL	Copper	FTTD	Buried	Normal	Suburban	BuriedFO	Node2	MM	BuriedTrenchFO	Suburban	1	A	Length	0	10000000	1	0.00	2.36	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_BFStructureInv_0
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	Dist	HubAgg	Plug-in	1	A	Count	0	5000	40	185.45	138.74	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	Dist	HubAgg	Hardwired	1	A	Count	0	5000	40	37.98	28.42	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	CO	Eswitch	Plug-in	1	A	Count	0	10000000	182	1294.74	968.61	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	CO	Eswitch	Hardwired	1	A	Count	0	10000000	182	93.75	70.14	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	CO	Eswitch	0	1	A	Count	0	10000000	1	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	CO	Eswitch	0	1	A	Count	0	10000000	1	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Router	Hardwired	1	A	Count	0	10000000	192	415.92	249.29	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	Subscribers	MM	Router	Plug-in	1	A	Count	0	10000000	1	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	ROADM	Hardwired	1	A	Count	450000	1000000000	450000	25000.00	14984.58	0.00	Node0Length	PercentOfNode0	Node0_ElectronicsInv_C
ALL	Copper	FTTD	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	1000	1000	258833.75	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	1001	5000	5000	536501.25	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	5001	10000	10000	1016856.25	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	10001	25000	25000	1524670.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	25001	100000000	100000000	1917337.50	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	1000	1000	20083.75	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	1001	5000	5000	170854.25	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	5001	10000	10000	490387.50	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	10001	25000	25000	914400.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	25001	100000000	100000000	1413787.50	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Cloud	Hardwired	1	A	Count	0	10000000	38	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Cloud	Hardwired	1	A	Count	0	10000000	38	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	10000000	12	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	10000000	38	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	10000000	1	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	1	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	Subscribers	Dist	CPE	Modem	1	A	Count	0	0	0	0.00	0.00	0.00	T1.DataTake	None	Node4_CPEInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	Subscribers	Dist	CPE	STB	1	A	Count	0	0	0	0.00	0.00	0.00	T1.VideoTake	None	Node4_CPEVideoInv_S
ALL	Copper	FTTN	NA	NA	%	BuriedCU	Locations	Dist	NID	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.DataTake	None	Node4_CCableInv_L
ALL	Copper	FTTN	NA	NA	%	BuriedCU	Locations	Dist	Drop	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node4Cable	DataTakeRate	Node4_CCableInv_L
ALL	Copper	FTTN	NA	NA	%	BuriedCU	Locations	Dist	DTBT	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3EquipOty	None	Node3_CCableInv_L
ALL	Copper	FTTN	Buried	NA	%	BuriedCU	Locations	Dist	Conditioning	NA	1	B	Count	0	0	0	0.00	0.00	0.00	T1.Node4WorkingCust	None	Node3_CCableInv_L
ALL	Copper	FTTN	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	None	Node3_CCableInv_L
ALL	Copper	FTTN	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	None	Node3_CCableInv_L
ALL	Copper	FTTN	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	None	Node3_CCableInv_L
ALL	Copper	FTTN	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	DistPlacing	Node3_CCableInv_L
ALL	Copper	FTTN	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	DistPlacing	Node3_CCableInv_L
ALL	Copper	FTTN	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	DistPlacing	Node3_CCableInv_L
ALL	Copper	FTTN	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSplice	None	Node3_CCableInv_L
ALL	Copper	FTTN	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSplice	None	Node3_CCableInv_L
ALL	Copper	FTTN	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSplice	None	Node3_CCableInv_L
ALL	Copper	FTTN	Aerial	NA	%	AerialCU	Locations	Dist	AerialCU	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSpliceSU	None	Node3_CCableInv_L
ALL	Copper	FTTN	Buried	NA	%	BuriedCU	Locations	Dist	BuriedCU	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSpliceSU	None	Node3_CCableInv_L
ALL	Copper	FTTN	Ugd	NA	%	UgdCU	Locations	Dist	UgdCU	NA	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSpliceSU	None	Node3_CCableInv_L
ALL	Copper	FTTN	Aerial	Normal	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Normal	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Normal	Rural	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Medium	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Medium	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Medium	Rural	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Hard	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Hard	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Hard	Rural	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Normal	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Normal	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Normal	Suburban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Medium	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Medium	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Medium	Suburban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Hard	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Hard	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Hard	Suburban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Normal	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Normal	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Normal	Urban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Medium	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Medium	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Medium	Urban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	Hard	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_ACStructureInv_L
ALL	Copper	FTTN	Ugd	Hard	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_UCStructureInv_L
ALL	Copper	FTTN	Buried	Hard	Urban	BuriedCU	Locations	Dist	BuriedTrenchCU	NA	0.41	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_BCStructureInv_L
ALL	Copper	FTTN	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Copper	FTTN	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Copper	FTTN	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Copper	FTTN	NA	NA	%	BuriedFO	Node2	Fdr	COTFiberTerm	NA	1	A	Count	0	0	0	0.00	0.00	0.00	One	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Copper	FTTN	NA	NA	%	BuriedFO	Node2	Fdr	FDI	NA	1	G	Count	0	0	0	0.00	0.00	0.00	One	PercentOfNode2	Node2_CCableInv_2
ALL	Copper	FTTN	Aerial	Normal	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Normal	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Normal	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Medium	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Medium	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Medium	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Hard	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Hard	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Hard	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Normal	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Normal	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Normal	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Medium	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Medium	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Medium	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Hard	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Hard	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_UFStructureInv_2

ALL	Copper	FTTN	Buried	Hard	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Normal	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Normal	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Normal	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Medium	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Medium	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Medium	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_BFStructureInv_2
ALL	Copper	FTTN	Aerial	Hard	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_AFStructureInv_2
ALL	Copper	FTTN	Ugd	Hard	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_UFStructureInv_2
ALL	Copper	FTTN	Buried	Hard	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_BFStructureInv_2
ALL	Copper	FTTN	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	DSLAM	Locations	Fdr	DSLAM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTN	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTN	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTN	NA	NA	%	DSLAM	Subscribers	Fdr	DSLAM	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2WithTake	Node2_ElectronicsInv_S
ALL	Copper	FTTN	Aerial	NA	%	AerialFO	Node2	MM	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Copper	FTTN	Ugd	NA	%	BuriedFO	Node2	MM	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Copper	FTTN	Buried	NA	%	UgdFO	Node2	MM	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Copper	FTTN	Aerial	Normal	Suburban	Pole	Node2	MM	Pole	Suburban	1	G	Length	0	0	0	0.00	0.00	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_AFStructureInv_0
ALL	Copper	FTTN	Ugd	Normal	Suburban	Conduit	Node2	MM	Conduit	Suburban	1	G	Length	0	0	0	0.00	0.00	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_UFStructureInv_0
ALL	Copper	FTTN	Buried	Normal	Suburban	BuriedFO	Node2	MM	BuriedTrenchFO	Suburban	1	A	Length	0	0	0	0.00	0.00	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_BFStructureInv_0
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	CO	Eswitch	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	CO	Eswitch	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	CO	Eswitch	0	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	CO	Eswitch	0	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Router	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTN	NA	NA	%	Circuit	Subscribers	MM	Router	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Copper	FTTD	NA	NA	%	Circuit	CO	MM	ROADM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node0Length	PercentOfNode0	Node0_ElectronicsInv_C
ALL	Copper	FTTN	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Cloud	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Cloud	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Copper	FTTN	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	Subscribers	Dist	CPE	Modem	1	A	Count	0	0	0	0.00	0.00	0.00	T1.DataTake	None	Node4_CPEInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	Subscribers	Dist	CPE	STB	1	A	Count	0	0	0	0.00	0.00	0.00	T1.VideoTake	None	Node4_CPEVideoInv_S
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Locations	Dist	ONT	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.DataTake	None	Node4_CCableInv_L
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Locations	Dist	Drop	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node4Cable	DataTakeRate	Node4_CCableInv_L
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Locations	Dist	FDT	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3EquipQty	None	Node3_CCableInv_L
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Locations	Dist	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Locations	Dist	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	DistPlacing	Node3_FCableInv_L
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Locations	Dist	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Locations	Dist	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	DistPlacing	Node3_FCableInv_L
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Locations	Dist	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Locations	Dist	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3Cable	DistPlacing	Node3_FCableInv_L
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Locations	Dist	AerialFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSplice	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Locations	Dist	BuriedFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSplice	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Locations	Dist	UgdFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSplice	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Locations	Dist	AerialFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSpliceSU	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Locations	Dist	BuriedFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSpliceSU	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Locations	Dist	UgdFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	T1.Node3CableSpliceSU	None	Node3_FCableInv_L
ALL	Fiber	FTTP	Aerial	Normal	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Normal	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Normal	Rural	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Medium	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Medium	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Medium	Rural	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Hard	Rural	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Hard	Rural	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Hard	Rural	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Normal	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Normal	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Normal	Suburban	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Medium	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Medium	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Medium	Suburban	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Hard	Suburban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Hard	Suburban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Hard	Suburban	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Normal	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Normal	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Normal	Urban	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureNormal	StructureN	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Medium	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Medium	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Medium	Urban	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureMedium	StructureM	Node3_BFStructureInv_L
ALL	Fiber	FTTP	Aerial	Hard	Urban	Pole	Locations	Dist	Pole	NA	0.78	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_AFStructureInv_L
ALL	Fiber	FTTP	Ugd	Hard	Urban	Conduit	Locations	Dist	Conduit	NA	0.67	G	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_UFStructureInv_L
ALL	Fiber	FTTP	Buried	Hard	Urban	BuriedFO	Locations	Dist	BuriedTrenchFO	NA	0.41	A	Length	0	0	0	0.00	0.00	0.00	T1.Node3StructureHard	StructureH	Node3_BFStructureInv_L
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Node2	Fdr	FST	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Node2	Fdr	FST	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Node2	Fdr	FST	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Locations	Fdr	FST	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	Case16	Node2_FCableInv_L
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Locations	Fdr	FST	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node2_FCableInv_L
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2

ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node2Cable	PercentOfNode2Placing	Node2_FCableInv_2
ALL	Fiber	FTTP	NA	NA	%	BuriedFO	Node2	Fdr	COTFiberTerm	NA	1	A	Count	0	0	0	0.00	0.00	0.00	One	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSplice	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Node2	Fdr	AerialFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Buried	NA	%	BuriedFO	Node2	Fdr	BuriedFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Ugd	NA	%	UgdFO	Node2	Fdr	UgdFO	NA	1	A	Count	0	0	0	0.00	0.00	0.00	Node2CableSpliceSU	PercentOfNode2	Node2_FCableInv_2
ALL	Fiber	FTTP	Aerial	Normal	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Normal	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Normal	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalRural	PercentOfNode2StructureNR	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Medium	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Medium	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Medium	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumRural	PercentOfNode2StructureMR	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Hard	Rural	Pole	Node2	Fdr	Pole	Rural	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Hard	Rural	Conduit	Node2	Fdr	Conduit	Rural	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Hard	Rural	BuriedFO	Node2	Fdr	BuriedTrenchFO	Rural	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardRural	PercentOfNode2StructureHR	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Normal	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Normal	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Normal	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalSuburban	PercentOfNode2StructureNS	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Medium	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Medium	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Medium	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumSuburban	PercentOfNode2StructureMS	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Hard	Suburban	Pole	Node2	Fdr	Pole	Suburban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Hard	Suburban	Conduit	Node2	Fdr	Conduit	Suburban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Hard	Suburban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Suburban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardSuburban	PercentOfNode2StructureHS	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Normal	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Normal	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Normal	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureNormalUrban	PercentOfNode2StructureNU	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Medium	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Medium	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Medium	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureMediumUrban	PercentOfNode2StructureMU	Node2_BFStructureInv_2
ALL	Fiber	FTTP	Aerial	Hard	Urban	Pole	Node2	Fdr	Pole	Urban	0.78	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_AFStructureInv_2
ALL	Fiber	FTTP	Ugd	Hard	Urban	Conduit	Node2	Fdr	Conduit	Urban	0.67	G	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_UFStructureInv_2
ALL	Fiber	FTTP	Buried	Hard	Urban	BuriedFO	Node2	Fdr	BuriedTrenchFO	Urban	0.41	A	Length	0	0	0	0.00	0.00	0.00	Node2StructureHardUrban	PercentOfNode2StructureHU	Node2_BFStructureInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	CO	OLT	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node0Node2Counts	PercentOfNode0	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	Node2	CO	OLT	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node0Node2Counts	PercentOfNode0	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	Aerial	NA	%	AerialFO	Node0	MM	AerialFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Fiber	FTTP	Ugd	NA	%	BuriedFO	Node0	MM	BuriedFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Fiber	FTTP	Buried	NA	%	UgdFO	Node0	MM	UgdFO	NA	1	A	Length	0	0	0	0.00	0.00	0.00	Node0Cable	PercentOfNode0	Node0_FCableInv_0
ALL	Fiber	FTTP	Aerial	Normal	Suburban	Pole	Node0	MM	Pole	Suburban	1	G	Length	0	0	0	0.00	0.00	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_AFStructureInv_0
ALL	Fiber	FTTP	Ugd	Normal	Suburban	Conduit	Node0	MM	Conduit	Suburban	1	G	Length	0	0	0	0.00	0.00	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_UFStructureInv_0
ALL	Fiber	FTTP	Buried	Normal	Suburban	BuriedFO	Node0	MM	BuriedTrenchFO	Suburban	1	A	Length	0	0	0	0.00	0.00	0.00	Node0StructureNormalSuburban	PercentOfNode0	Node0_BFStructureInv_0
ALL	Fiber	FTTP	NA	NA	%	Circuit	Shelves	CO	Router	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	Shelves	CO	Router	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	Shelves	CO	Router	0	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	Shelves	CO	Router	0	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	Shelves	MM	Router	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	Shelves	MM	Router	Plug-in	1	A	Count	0	0	0	0.00	0.00	0.00	Node2WorkingLines	PercentOfNode2	Node0_ElectronicsInv_2
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	ROADM	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node0Length	PercentOfNode0	Node0_ElectronicsInv_C
ALL	Fiber	FTTP	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Building	CO	Dist	Building	Building	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Land	CO	Dist	Land	Land	1	G	Count	0	0	0	0.00	0.00	0.00	T1.Node0WorkingLines	PercentOfNode0	Node0_LandBuildingOther_0
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	Cloud	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	Cloud	Hardwired	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S
ALL	Fiber	FTTP	NA	NA	%	Circuit	CO	MM	Cloud	Plug-In	1	A	Count	0	0	0	0.00	0.00	0.00	Node00Node0Counts	PercentOfNode0OfNode00	Node0_CloudEletronicsInv_S

Coalition Source

Cust Prem Material

CustPrem

Simple Average

Plant Type	Tech1	Typcial Qty	Material Cost	Total
TelcoModem (for ADSL 2+)	Telco	1.00	$ 35.44	$ 35.44
HD STB with DVR	Telco	1.00	$ -	$ -
SD STB without DVR	Telco	1.75	$ -	$ -
HD STB without DVR	Telco			$ -

Coalition Source

Copper Material

Drop

	Plant Type	Type or Size	Material Cost
Simple Average	Aerial Drop	2	$ 0.08
		6	$ 0.15
			0
	Buried Drop	2	$ 0.10
		6	$ 0.19
			0

Conditioning

Item	CostPerLocation
Conditioning	100

NID

	Plant Type	Minimum Size	Type or Size	Material Cost
Simple Average	NID	0	3	$8.33
		3	6	$11.05
	Protection		1	$5.03

On Gauge tables, please indicate preferred gauge(s)

24 to 26 Ratio
76.92%

Copper Cable (24gauge)

	Plant Type	Type or Size	Material Cost	Equivalent 25 Cost Ratio
Simple Average	Underground Copper 24 gauge	25	0.56	1
		50	1.00	1.77
		100	1.82	3.23
		200	3.44	6.11
		300	4.65	8.26
		400	6.21	11.03
		600	9.41	16.72
		900	14.08	25.00
		1200	19.26	34.20
		1500	23.98	42.58
		1800	29.15	51.76
		2100	33.37	59.26
		2400	37.96	68.41
	Buried (dual sheath "filled") Copper 24 gauge	25	$ 0.55	
		50	$ 1.00	
		100	$ 1.84	
		200	$ 3.49	
		300	$ 4.72	
		400	$ 6.32	
		600	$ 9.54	
		900	$ 14.28	
		1200	$ 19.57	
		1500	$ 24.19	
		1800	$ 29.60	
		2100	$ 33.81	
		2400	$ 38.49	
	Aerial Copper 24 gauge (includes Strand)	25	$ 0.72	
		50	$ 1.19	
		100	$ 2.07	
		200	$ 3.59	
		300	$ 4.75	
		400	$ 6.33	
		600	$ 9.50	
		900	$ 14.19	
		1200	$ 19.47	
		1500	$ 23.93	
		1800	$ 29.29	
		2100	$ 33.75	
		2400	$ 38.30	
	Riser/Intrabuilding Copper 24 Gauge (ARFire resistant)	25	$ 0.67	
		50	$ 1.16	
		100	$ 2.02	
		200	$ 3.58	
		300	$ 4.84	
		400	$ 6.44	
		600	$ 9.73	
		900	$ 14.52	
		1200	$ 19.77	
		1500	$ 24.41	
		1800	$ 29.92	
		2100	$ 34.30	
		2400	$ 39.03	

Copper Cable (26gauge)

	Plant Type	Type or Size	Material Cost
Simple Average	Underground Copper 26 gauge	25	0.40
		50	0.73
		100	1.34
		200	2.52
		300	3.38
		400	4.50
		600	6.63
		900	9.91
		1200	13.17
		1500	16.67
		1800	20.03
		2100	23.46
		2400	27.09
	Buried (dual sheath "filled") Copper 26 gauge	25	$ 0.40
		50	$ 0.73
		100	$ 1.34
		200	$ 2.52
		300	$ 3.39
		400	$ 4.52
		600	$ 6.62
		900	$ 9.90
		1200	$ 13.15
		1500	$ 16.66
		1800	$ 20.05
		2100	$ 23.50
		2400	$ 26.51
	Aerial Copper 26 gauge (includes Strand)	25	$ 0.53
		50	$ 0.88
		100	$ 1.53
		200	$ 2.58
		300	$ 3.43
		400	$ 4.48
		600	$ 6.58
		900	$ 9.85
		1200	$ 13.11
		1500	$ 16.59
		1800	$ 19.94
		2100	$ 23.38
		2400	$ 26.43
	Riser/Intrabuilding Copper 26 Gauge (ARFire resistant)	25	$ 0.52
		50	$ 0.88
		100	$ 1.54
		200	$ 2.62
		300	$ 3.51
		400	$ 4.61
		600	$ 6.75
		900	$ 10.06
		1200	$ 13.37
		1500	$ 16.92
		1800	$ 20.33
		2100	$ 23.81
		2400	$ 27.02

0.43

Copper Cable (19gauge)

	Plant Type	Type or Size	Material Cost
Simple Average	Underground Copper 19 gauge	25	1.55
		50	2.89
		100	5.44
		200	9.86
		300	14.47
	Buried (dual sheath "filled") Copper 19 gauge	25	$ 1.57
		50	$ 2.92
		100	$ 5.49
		200	$ 9.94
		300	$ 14.56
	Aerial Copper 19 gauge (includes Strand)	25	$ 1.57
		50	$ 2.92
		100	$ 5.49
		200	$ 9.94
		300	$ 14.56
	Riser/Intrabuilding Copper 19 Gauge (ARFire resistant)	25	$ 1.57
		50	$ 2.92
		100	$ 5.49
		200	$ 9.94
		300	$ 14.56

Copper Cable (22gauge)

	Plant Type	Type or Size	Material Cost
Simple Average	Underground Copper 22 gauge	25	0.72
		50	1.34
		100	2.50
		200	4.68
		300	7.25
		600	12.92
		900	17.88
		1200	24.27
	Buried (dual sheath "filled") Copper 22 gauge	25	$ 0.73
		50	$ 1.35
		100	$ 2.53
		200	$ 4.72
		300	$ 7.31
		600	$ 13.01
		900	$ 17.99
		1200	$ 24.39
	Aerial Copper 22 gauge (includes Strand)	25	$ 0.73
		50	$ 1.35
		100	$ 2.53
		200	$ 4.72
		300	$ 7.31
		600	$ 13.01
		900	$ 17.99
		1200	$ 24.39
	Riser/Intrabuilding Copper 22 Gauge (ARFire resistant)	25	$ 0.73
		50	$ 1.35
		100	$ 2.53
		200	$ 4.72
		300	$ 7.31
		600	$ 13.01
		900	$ 17.99
		1200	$ 24.39

DTBT MaterialTable

	Plant Type	Type or Size	DT Material Cost
Simple Average	Aerial	25	$ 108.89
		50	$ 143.57
	Buried	25	$ 163.33
		50	$ 215.35

FDI Terminals

	Plant Type	Type or Size	Material Cost
Simple Average	FDI Aerial	50	198.40
		100	313.06
		200	440.84
		300	596.08
		400	850.26
		600	1130.19
		900	1650.61
		1200	1776.57
		1500	2167.97
		1800	2479.25
		2100	2813.18
	FDI Buried	50	198.40
		100	313.06
		200	440.84
		300	596.08
		400	850.26
		600	1130.19
		900	1486.60
		1200	1776.57
		1500	2167.97
		1800	2479.25
		2100	2813.18

Coalition Source

DSLAM Material

DSLAMs

Common Equipment

Regression based on expected Cabinet size

DSLAM Size	Item	Material Cost	Minimum Capacity	Maximum Capacity	Total Placing Hours	Contractor Costs	WhereUsed	UseWhenMaxExceeded	Equipment Category	Capacity Driver	Channel Unit Investment Driver	Total non Material	
1	DSLAM System - Cabinet, Shelfs, power panel, comm	$ 12,750	97	768	0	0	All	YesMultiple	Hardwired	SERVICE	All	0	
												0	
												0	CAPTURED IN MIDDLE MILE
2	DSLAM System - Cabinet, Shelfs, power panel, comm	$ 16,740	48	96	0	0	All	YesMultiple	Hardwired	SERVICE	All	0	
												0	
												0	CAPTURED IN MIDDLE MILE
3	DSLAM System - Cabinet, Shelfs, power panel, comm	$ 8,370	0	48	0	0	All	YesMultiple	Hardwired	SERVICE	All	0	
												0	
												0	CAPTURED IN MIDDLE MILE
												0	
												0	
												0	CAPTURED IN MIDDLE MILE
												0	
												0	
												0	CAPTURED IN MIDDLE MILE

Plug-in Channel Units

Regression based on expected Cabinet size

DSLAM Size	Item	Material Cost	Service Capacity	Slots Required	Total Placing Hours	Contractor Costs	Equipment Category	Channel Unit Investment Driver	Total non Material
1	ADSL	$ 3,100	48	1	0	0	Plug-in	VDSL	0
2	ADSL	$ -	48	1	0	0	Plug-in	VDSL	0
3	ADSL	$ -	24	1	0	0	Plug-in	VDSL	0
									0
									0

VDSL is based upon a 1200 adder from ADSL2+ to VDSL

Plug-in Channel Units

DSLAM Size	Item	Material Cost	Service Capacity	Slots Required	Total Placing Hours	Contractor Costs	Equipment Category	Channel Unit Investment Driver	Total non Material
	VDSL								0
	VDSL								0
	VDSL								0
	VDSL								0
	VDSL								0

Coalition Source

Structure Material

Aerial Structure

	Plant Type	Type or Size	Material Cost
Simple average	Poles	25	131.92
		30	154.99
		35	214.61
		40	303.10
		45	337.90
		50	416.39
		55	539.92
		60	695.86
	Anchor	NA	$ 86.56
	Guy (all types)	NA	$ 0.11

Underground Material

	Structure	Description	Size or Type	Material Cost	
Simple average	Duct	1-PTS-77-4"	CU	$ 1.42	
		1-4" w/3 in-Du	FO	$ 2.04	
	Inner Duct		FO	$ -	Captured in FO Duct
			FO	$ -	
	Manholes	SB 30"X12"	1	$ 189.75	17x30
		HH 3x5 or 4x6	2	$ 1,372.10	
		PTS 65 (6x8x4)	3	$ 3,084.38	48x96x48 (4x8x4)
		38Y (6x12x7)	5	$ 4,907.24	

Coalition Source

Fiber Material

Fiber Drop

Simple average

Plant Type	Type or Size	Material Cost
Aerial Drop	2	$ 0.13
	6	$ 0.22
		0
Buried Drop	2	$ 0.14
	6	$ 0.26

COT Fiber Termination

Type or Size	Material Cost	PerFiber
72	1,369.21	19.02
144	2,525.50	17.54
216	4,107.90	19.02
432	7,756.84	17.96
864	14,674.67	16.98

Fiber Cable

Simple Average

Plant Type	Type or Size	Underground Material Cost	Buried Material Cost	Aerial Material Cost	Intrabuilding Material Cost	Equivalent 24 Cost Ratio
Fiber Cable per foot	6	0.17	0.17	0.17	0.62	0.53
	12	0.27	0.27	0.27	0.72	0.85
	24	0.31	$ 0.33	$ 0.31	0.87	1.00
	48	0.44	$ 0.45	$ 0.44	1.11	1.42
	72	0.57	$ 0.58	$ 0.57	1.26	1.83
	96	$ 0.64	$ 0.64	$ 0.63	$ 1.52	2.02
	144	0.81	$ 0.80	$ 0.81	1.73	2.57
	216	1.10	$ 1.12	$ 1.10	2.32	3.52
	288	1.49	$ 1.50	$ 1.49	3.22	4.76
	360	1.87	$ 1.88	$ 1.87	4.07	5.96
	432	2.24	$ 2.24	$ 2.23	4.65	7.12
	576	3.00	$ 3.01	$ 2.99	6.19	9.56
	720	3.82	$ 3.83	$ 3.81	8.99	12.17

Coalition Source

FTTp Material

ONT Optical Network.Termination Unit

EquipType	Item	MaterialCost	NBSvcCapacity	BBSvcCapacity	DS1SvcCapacity	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per Contractor Item	Telco Testing Hours	Total non Material
										0
										0

Fiber Drop Terminal

MinimumCapacity	MaxCapacity	Item	MaterialCost	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per Contractor Item	Telco Testing Hours	Total non Material
								0
								0

Fiber Splitter (PFP / FDH)

Item	MaterialCost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	WhereUsed	UseWhenMaxExceeded	Equipment Category	Total non Material
												0
												0
												0
												0
												0
												0

OLT (7340) Terminal Equipment (Fixed)

Item	MaterialCost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	WhereUsed	UseWhenMaxExceeded	Equipment Category	Total non Material
												0
												0

MetroEthernet Material

MetroEtherNet

EquipType	Item	MaterialCost	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per Contractor Item	Telco Testing Hours	Total non Material
MetroE100Mb	Customer Premis	$10,000	0	0	0	0	0
MetroE100Mb	Termination at CO or IO	$5,000	0	0	0	0	0

SONET Material

SONET Vendor Mix Table

Terminal	Vendor "A"	Vendor "B"
DCS31	100%	0%
OC3	100%	0%
OC12	100%	0%
OC48	100%	0%
OC192	100%	0%
OC768	100%	0%

	1	2	3	4	5	6	7	8	9	10
					SONET					
INDEX	SystemSize	Item	Vendor "A" Material Cost	Vendor "B" Material Cost	DS1 Capacity for Equipment, Service Capacity for Cards	Total Placing Hours	Equipment Category	Channel Unit Investment Driver	WhereUsed	Melded Matl.
1	OC3	Bay	1250	0	84		Hardwired	ALL	CO	$ 1,250.00
2	OC3	Common Equipment	2500	0	84		Hardwired	ALL	ALL	$ 2,500.00
3	OC3	DS1 High Speed Channel Unit	1500	0	84		Plug-in	DS1	ALL	$ 1,500.00
4	OC3	DS3 High Speed Channel Unit	3000	0	84		Plug-in	DS3	ALL	$ 3,000.00
5	OC3	Hardwired Equipment	998.38	0	84		Hardwired	ALL	ALL	$ 998.38
6	OC3									$ -
	OC3									$ -
	OC12	Bay	1250	0	336		Hardwired	ALL	CO	$ 1,250.00
	OC12	Common Equipment (DS1-OC3)	14000	0	336		Common	ALL	ALL	$ 14,000.00
	OC12	DS3 MAPPER PAIR	1500	0	84		Plug-in	DS3	ALL	$ 1,500.00
	OC12	Hardwired Equipment	1000	0	336		Hardwired	ALL	ALL	$ 1,000.00
	OC12	Low Speed Channel Unit	500	0	12		Plug-in	DS1	ALL	$ 500.00
	OC12	OC3 TRIBUTARY MODULE	650	0	42		Plug-in	OC3	ALL	$ 650.00
	OC12									$ -
	OC12									$ -
	OC48	Bay	1500	0	1344		Hardwired	ALL	CO	$ 1,500.00
	OC48	Common Equipment (DS1-OC12)	15000	0	1344		Hardwired	ALL	ALL	$ 15,000.00
	OC48	DS3 MAPPER PAIR	2000	0	168		Plug-in	DS3	ALL	$ 2,000.00
	OC48	Hardwired Equipment	1500	0	1344		Hardwired	ALL	ALL	$ 1,500.00
	OC48	Low Speed Channel Unit	500	0	12		Plug-in	DS1	ALL	$ 500.00
	OC48	OC12 Intf	1500	0	672		Plug-in	OC12	ALL	$ 1,500.00
	OC48	OC3 Intf	3000	0	168		Plug-in	OC3	ALL	$ 3,000.00
	OC48									$ -
	OC48									$ -
	OC192	Channel Unit	1500	0	224		Plug-in	DS3	ALL	$ 1,500.00
	OC192	Channel Unit-protected	6500	0	1344		Plug-in	OC48	ALL	$ 6,500.00
	OC192	Channel Unit-protected	7500	0	1344		Plug-in	OC12	ALL	$ 7,500.00
	OC192	Channel Unit-protected	3250	0	336		Plug-in	OC3	ALL	$ 3,250.00
	OC192	Common	10000	0	5376		Hardwired	ALL	ALL	$ 10,000.00
	OC192	Hardwired	35000	0	5376		Hardwired	ALL	ALL	$ 35,000.00
	OC192	Low Speed Channel Unit	2000	0	28		Plug-in	DS1	ALL	$ 2,000.00
	OC192									$ -
	OC192									$ -
	OC768									$ -
	OC768									$ -
	OC768									$ -
	DCS31	DS1 Port	1000	0	8	0	Plug-in	DS1	ALL	#N/A
	DCS31	Hardwired	3500	0	252	0	Hardwired	DS1	ALL	#N/A
	DCS31	Port/Bay	2200	0	756	0	Hardwired	DS1	ALL	#N/A
	DCS31	TSI	3750	0	126	0	Hardwired	DS1	ALL	#N/A
	DCS31									#N/A
	DCS31									#N/A

Coalition Source

Material Labor (costs)

FDI Splicing Labor Costs

Simple Average

Item	Closure and Setup (Costs per FDI)	Cross Connects (Costs per 100 pair)	Splice (Costs per 100 pair)	Telco Admin/Inspect Hrs per FDI	Total Cost of Typical Size
FDIAerial	42.50	75.00	165.62	0.50	393.6375859
FDIBuried	50.00	75.00	163.18	0.50	397.8823674
FDIIndoor	100.00	75.00	177.87	0.50	467.4668755
FDIUnderground	150.00	75.00	172.93	0.50	510.8895055

FDI Placing Labor Costs

Simple Average

SAI Size	Aerial	Buried	Indoor	Underground
50	212.25	221.02	171.42	113.80
100	244.34	294.53	195.91	179.98
200	285.69	351.10	223.27	217.34
300	301.91	367.32	223.27	222.34
400	301.91	367.32	238.06	222.34
600	308.58	373.98	238.06	229.01

DTBT Splicing and Placing Labor Costs

Simple Average

DTBT Size	Closure and Setup (Costs per DTBT)	Cross Connects (Costs per 100 pair)	Telco Admin/Inspect Hrs per DTBT	TelcoAdmin Cost per DT	Total cost per 25 pair DT
25	49.92	107.86	0.17	10.10333333	86.99355205
50	63.35	107.86	0.17	10.10333333	100.4179865

Telco Drop and NID Labor

Simple Average

Cost Element	Plant Type	Labor Cost per Ft	Telco Inspect Hrs	Placing Per Occurrence
Drops	Aerial	0.52		
	Buried	1.43		
NID		41.13		
NIU				

Telco DSLAM Testing and Inspection Hours

Simple Average

Lower limit of Line Size	Telco Admin/Inspection Hrs	Testing Hrs	TelcoAdmin Cost per DSLAM
0	0.75	1.50	136.395
24	0.75	1.50	136.395
48	0.75	1.50	136.395
96	0.75	3.00	227.325
400	0.75	3.00	227.325

Telco Media (copper and fiber cable) Splicing and Placing Labor Costs

Simple Average

Item	Closure and Setup (Cost per Splice)	Placing Cost per Foot	Splicing (cost per 100pairs or per FO strand)	Telco Admin/Inspect Hrs per Media Segment	TelcoAdmin Cost per Foot
AerialCU	62.35	1.16	145.07	0.22	0.005253733
AerialFO	83.85	0.84	9.72	0.22	0.005253733
Bldg/RiserCU	62.35	1.18	146.89	0.22	0.005253733
Bldg/RIserFO	83.85	0.95	11.70	0.22	0.005253733
BuriedCU	82.85	0.00	143.43	0.22	0.005253733
BuriedFO	87.60	0.00	9.46	0.22	0.005253733
UndergroundCU	125.64	1.40	177.10	0.22	0.005253733
UndergroundFO	121.80	1.62	9.83	0.22	0.005253733

0.99
1.13

Coalition Source

Labor Rates and Loadings

Labor Rate Table

Simple Average

Description	Type	Rate/hr
Engineering	EngineeringLabor	$ 72.72
OSP	OSPLabor	$ 60.62

Material Loading Table

Simple Average

Cost Component	Exempt Material Rate	Supply Expense Rate	Tax Rate	Other Rate	Material Inflation#	Total Material Loadings * Excludes Engineering	Engineering Rate*
AerialCU	0.11	0.07		0.02	1.00	0.206218	0.19
AerialFO	0.17	0.07		0.03	1.00	0.265177	0.19
BBRouter	0.02	0.07		0.51	1.00	0.599383	0.13
BuildingCU	0.02	0.07		0.01	1.00	0.097692	0.19
BuildingFO	0.04	0.07		0.02	1.00	0.128287	0.19
BuriedCU	0.02	0.07		0.01	1.00	0.098345	0.19
BuriedFO	0.02	0.07		0.02	1.00	0.106440	0.19
BuriedTrenchCU	0.02	0.07		0.01	1.00	0.098345	0.14
BuriedTrenchFO	0.04	0.07		0.02	1.00	0.128940	0.14
Cloud	0.00	0.03		0.30	1.00	0.328111	0.00
Conduit	0.04	0.07		0.02	1.00	0.130561	0.14
CustPrem	0.02	0.07		0.00	1.00	0.085718	0.00
DropAndNID	0.02	0.07		0.00	1.00	0.085718	0.19
DSLAM	0.04	0.07		0.58	1.00	0.691306	0.13
DT/FDI/Tap	0.10	0.09		0.00	1.00	0.194291	0.19
EAR	0.02	0.09		0.63	1.00	0.748111	0.13
FDT	0.05	0.09		0.51	1.00	0.657956	0.19
FST	0.05	0.09		0.51	1.00	0.657956	0.19
IntrabuildingCU	0.02	0.07		0.01	1.00	0.096243	0.19
IntrabuildingFO	0.02	0.07		0.02	1.00	0.102702	0.19
Microwave	0.05	0.09		0.30	1.00	0.444778	0.19
Modem	0.00	0.09		0.30	1.00	0.394778	0.00
NIUCU	0.04	0.07		0.00	1.00	0.108218	0.19
OLT	0.02	0.07		0.48	1.00	0.561603	0.13
ONT	0.02	0.07		0.36	1.00	0.443440	0.13
Pole	0.02	0.07		0.01	1.00	0.098305	0.14
Radio	0.05	0.09		0.30	1.00	0.444778	0.19
SonetLoading	0.02	0.07		0.57	1.00	0.651719	0.00
Switch	0.05	0.09		0.65	1.00	0.793746	0.19
Tower	0.05	0.09		0.30	1.00	0.444778	0.19
UndergroundCU	0.04	0.07		0.01	1.00	0.120865	0.19
UndergroundFO	0.04	0.07		0.02	1.00	0.127821	0.19
						0.000000	
						0.000000	
						0.000000	

** Engineering Rates is applied separate from other factors.*

 # Material inflation refers to material change. Formula is adjusted for fact loadings are applied directly to uninflated material.

Coalition Source

Structure Labor (costs)

Underground Structure Labor

Simple Average

Structure	Size or Type	Normal Terrain Cost	Softrock Terrain Cost	Hardrock Terrain Cost	Water Terrain Cost
Duct	All	0.71			
Innerduct	1.25"	1.04			
Manholes	1	305.68	305.68	305.68	305.68
	2	793.66	793.66	812.07	793.66
	3	3131.12	3131.12	3427.43	3131.12
	5	6478.52	6478.52	7071.14	6478.52

Aerial Structure Labor Table

Simple Average

Plant Type	Size	Labor Cost
Poles	25	444.22
	30	446.72
	35	452.97
	40	495.61
	45	496.86
	50	514.36
	55	519.36
	60	529.36
Anchor	NA	184.25
Guy (all types)	NA	25.60

Underground Excatation Summary Table

Simple Average

Density Group	Terrain			
	NORMAL	SOFTROCK	HARDROCK	WATER
URBAN	16.27	16.27	20.73	15.99
SUBURBAN	11.87	11.88	15.61	11.88
RURAL	7.84	8.33	11.02	8.34

Buried Excavation Summary Table

Simple Average

Density Group	Terrain			
	NORMAL	SOFTROCK	HARDROCK	WATER
URBAN	8.57	8.57	8.57	8.57
SUBURBAN	6.78	6.87	7.95	7.21
RURAL	3.11	3.77	5.19	3.11

Engineering Rules

Aerial Structure Spacing Table

Plant Type	Size	Spacing
Poles	25	200
	30	200
	35	200
	40	150
	45	150
	50	150
	55	150
	60	150
Anchor	NA	1,200
Guy (all types)	NA	1,200

Underground Spacing

Structure	Size or Type	Spacing
Manholes	1	1000
	2	900
	3	900
	5	900

Electronic and Fiber Strand Utilization Table

Equipment	Engineering Fill (point at which re-enforcement is needed)
OnuRTFill	90%
FdrFOFill	100%
DistFOFill	100%
DTFill	85%
FDIFill	85%
FTTpFill	90%
ElectronicFill	95%
DslamFill	90%
FiberCotFill	90%
FiberRTFill	90%

Misc Rules

Rule	Value	
TypicalCableSegmentLength	2500	
TypicalAerialSpan	1200	
TypicalUgdBuild	1200	
PoleSizeWithSharing	35	
PoleSizeWithoutSharing	25	
TypicalGuySpan	1200	
FTTpSplitterRatio	32	
TypicalCountOfDuctsInUndergroundSystem	3	
TreeToRingRedundancyFactor	1.2	
TypicalFDISize	400	
RetainFDI in FTTn Build	0	*1 for Yes, 0 for No*
IncludeDWDM for Middle Mile	0	*1 for Yes, 0 for No*

Coalition Source

Sharing Assumptions

Structure sharing

Simple Average

Density	% of Cost Attributed to Studied Carrier			
	Aerial	Buried	Underground	
Rural	0.48	0.96	0.96	Based on HCPM inputs
Suburban	0.48	0.80	0.80	
Urban	0.48	0.76	0.76	

Between Distribution and Feeder

Simple Average

Density	% of common route that that shares structure			
	Aerial	Buried	Underground	
Rural	0.78	0.41	0.67	Engineering Assumption
Suburban	0.78	0.41	0.67	
Urban	0.78	0.41	0.67	

Unique IOF/Middle mile

Simple Average

Density	% of route that is dedicated structure			
	Aerial	Buried	Underground	
Rural	0.37	0.71	0.26	Engineering Assumption
Suburban	0.22	0.64	0.19	
Urban	0.14	0.56	0.11	

Percent of MiddleMile Routes Associated with Broadband

Simple Average

Density	% of route that is attributed to Broadband			
	Aerial	Buried	Underground	
Rural	50.0%	50.0%	50.0%	Cost Assumption
Suburban	50.0%	50.0%	50.0%	
Urban	50.0%	50.0%	50.0%	

Coalition Source

Middle Mile Inputs

This Section is just for FTTd

Hub Aggregator

	Item - FTTd	Material Cost	Minimum Capacity	Maximum Capacity	Capacity UOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material	Quantity Required	Capacity	Capacity Unit
Coalition value	Common	$ 185	0	192	Lines	0	0	0	0	Plug-in	0			
	Shelf	$ 36	0	192	Lines	0	0	0	0	Hardwired	0			

Assume required in offices with lines under 5000 - routes back to intermediate office Edge router.

Ethernet Edge Router (e.g., 7450)

	Item - FTTd	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material	Quantity Required	Capacity	Capacity Unit
Developed Typical Deployments - Regression	Plug	1294.74	0	192.00	Lines	0	0	0	0	Plug-in	0			
	Frame/Shelf/Common	93.75	0	192.00	Lines	0	0	0	0	Hardwired	0			
											0			
											0			

Assume that a GigE port on the Edge Router can support Two DSLAM shelves

Broadband Router (7750) - Router

tblBBRouter

	Item - FTTd	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material
Developed Typical deployment, Dup systems for redundancy, 80% utilization	System with Redundancy, 80% utilization, per GigE	415.92	0	192.00	Lines	0	0	0	0	Plug-in	0
											0
											0

This Section is just for FTTd

This Section is just for FTTn

Ethernet Edge Router (e.g., 7450)

Item	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material	Quantity Required	Capacity	Capacity Unit
Plug										0			
Frame/Shelf/Common										0			
										0			
										0			

Broadband Router (7750) - Router

tblBBRouter

Item	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material
System with Redundancy, 80% utilization, per GigE										0
										0
										0

This Section is just for FTTn

This Section is just for FTTp

Ethernet Edge Router (e.g., 7450)

Item	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material	Quantity Required	Capacity	Capacity Unit
Plug										0			
Frame/Shelf/Common										0			
										0			
										0			

Broadband Router (7750) - Router

tblBBRouter

Item	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material
System with Redundancy, 80% utilization, per GigE										0
										0
										0

This Section is just for FTTp

ROADM Repeater

Required if run from CO to Cloud is >90 miles

Component	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material	Quantity Required	Capacity	Capacity Unit	Base Cost BB Service Allocation %	Edge Routers (CLLIs) per DWDM Gateway[1]	DWDM Allocated Equipment Cost per CLLI
Chassis, Software & Common Equipment	25,000	0	1	CO	0	0	0	0	Hardwired	0	1	16	Card Slots3	33.3%	16	$ 8,325

DWDM Gateway

Component	Material Cost	Minimum Capacity	Maximum Capacity	CapacityUOM	Company Placing hours	Contractor Placing Cost	Telco Admin/Inspect Hrs per item	Telco Testing Hours	Equipment Category	Total non Material	Quantity Required	Capacity	Capacity Unit	Base Cost BB Service Allocation %	Edge Routers (CLLIs) per DWDM Gateway[1]	DWDM Allocated Equipment Cost per CLLI
Chassis, Software & Common Equipment	120,000	0	40	CO	0	0	0	0	Hardwired	0	1	16	Card Slots3	33.3%	16	$ 2,498
Channel Card - Hot Standby	-	0	40	CO	0	0	0	0	Hardwired	0	1	-		33.3%	16	$ -
Channel Card - Active[2]	10,000	0	13	CO	0	0	0	0	Plug-In	0	1	-		33.3%	16	$ 416
OADM Ethernet Transponder	19,750	0	40	CO	0	0	0	0	Plug-In	0	2	32	Lambda Channels	33.3%	16	$ 822
OADM Ethernet Interface Card	2,000	0	1	CO	0	0	0	0	Plug-In	0	1	-		100.0%	16	$ 2,000
		0		CO	0	0	0	0	Plug-In	0	1	8	10GbE Ports	100.0%	16	$ -
							0	0	Plug-In	0						$ 5,736 Total

[1] Edge Routers per DWDM Gateway = Number of CLLIs comprising RT Tree

[2] Assumption that BB consumes only 1/3 of channels on card, balance used by other services, 2 cards required one East one West on Ring

[3] Of 16 slots, 2 used for Control and amp, 1 for standby Channel Card, 1 for standby OADM Card. 12 Available for Active Cards

Fiber Cable & Optical Amplifiers

Plant Type	Type or Size	Material Cost
Buried Fiber	24	$ 0.33
Buried Fiber	144	$ 0.80
Amplifier[1]		

[1] Amplifiers not likely to be needed for distances between DWDM nodes

Land and Building Inputs

Land & Bdlg Investment

	CO Size				
	>25,000	10,000 - 25,000	5,000 - 10,000	1,000 - 5,000	<1,000
RCN Bldg					
Central Office Bdlg	$ 1,125,000	$ 900,000	$ 562,500	$ 281,250	$ 168,750
Site Improvement	$ 25,000	$ 20,000	$ 12,500	$ 6,250	$ 3,750
Indicated CO Investment/CO	$ 1,150,000	$ 920,000	$ 575,000	$ 287,500	$ 172,500
Plus: Other Facilities on an Equivilant CO Basis:					
WRC	$ 204,000	$ 153,000	$ 102,000	$ 76,500	$ 25,500
Admin	$ 556,875	$ 445,500	$ 334,125	$ 167,063	$ 55,688
Warehouse	$ 1,463	$ 1,170	$ 731	$ 439	$ 146
Misc	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Total Bdlg Cost per CO ->	**$ 1,917,338**	**$ 1,524,670**	**$ 1,016,856**	**$ 536,501**	**$ 258,834**
RCN Land					
Land	$ 450,000	$ 300,000	$ 150,000	$ 42,500	$ 7,500
Indicated CO Investment/CO	$ 450,000	$ 300,000	$ 150,000	$ 42,500	$ 7,500
Plus: Other Facilities on an Equivilant CO Basis:					
WRC	675,000	421,875	225,000	95,625	9,375
Admin	$ 286,875	$ 191,250	$ 114,750	$ 32,513	$ 3,188
Warehouse	$ 1,913	$ 1,275	$ 638	$ 217	$ 21
Misc	0	0	0	0	0
Total Land Cost per CO ->	**$ 1,413,788**	**$ 914,400**	**$ 490,388**	**$ 170,854**	**$ 20,084**

The values shown in this workbook represent the inputs used in CQBAT for the FTTd 12k-ft network design and have not been reviewed by the ABC coalition for use in any other design. This workbook was used to calculate the results of Scenario 3 as described in Attachment 2: CostQuest Broadband Assessment Tool - Model Scenarios, 7/29/2011.