G

INPUT COMPARISON

Source		Description	Default	Direct	Number	Percent
INTERFACE	Interface Options	Clusintf Options	-s0.36	-s0.36		
		Feeddist Options	-v -p	-xv -p		
		Plant Mix by Study Area	0	0		
		Save Workfiles	1	1		
		HCPM Start With	3	3		
		HAI Start With	1	1		
		Output Reports	1	1		

Source		Description	Default	Direct	Number	Percent
CLUSTER	Cluster Inputs	Raster_Size	150	150		
		Distance_Limit	17,000	17,000		
		Line_Limit	1,800	1,800		
		Line_Fill	**80**	90	**10**	**12.50%**
		Block_Divide_Factor	113	113		
		Cluster_Algorithm	1	1		
		Optimization_Method	4	4		
		Maximum_populated_cells	1,000	1,000		
		Use_hcpm.mdb	1	1		
		True-up_line_counts	1	1		

Source		Variable Name	Default	Direct	Number	Percent
FEEDDIST	Feeder / Distribution Inputs	max_drop_length	0.50	0.50		
		user_lambda	0.50	0.50		
		copper_gauge_xover	12.00	12.00		
		max_copper_distance	18.00	18.00		
		MaxCopperPenalty	1.25	1.25		
		copper_t1_xover	18.00	18.00		
		t1_fiber_xover	-	-		
		t1_redundancy_factor	1.25	1.25		
		copper_placement_depth	24.00	24.00		
		fiber_placement_depth	36.00	36.00		
		CriticalWaterDepth	3.00	3.00		
		WaterFactor	1.30	1.30		
		MinSlopeTrigger	12.00	12.00		
		MinSlopeFactor	1.10	1.10		
		MaxSlopeTrigger	30.00	30.00		
		MaxSlopeFactor	1.05	1.05		
		CombSlopeFactor	1.20	1.20		
		pct_ds1	**12.75%**	0.00%		**-12.75%**
		pct_lsa	**91.75%**	0.00%		**-91.75%**
		ChannelsPerT1System	24.00	24.00		
		PairsPerT1System	2.00	2.00		
		FibersPerTerminal	4.00	4.00		
		CapacityF2016	2,016.00	2,016.00		
		CapacityF1344	1,344.00	1,344.00		
		CapacityF672	672.00	672.00		
		CapacityF96	96.00	96.00		
		CapacityF24	24.00	24.00		
		CapacityT96	96.00	96.00		
		CapacityT24	24.00	24.00		
		lines_per_bus	10.00	10.00		
		DistRoadFactor	**100.00%**	90.00%		**-10.00%**
		FiberFillFactor	100.00%	100.00%		
		DistanceType	1.00	1.00		
		FeederRoadFactor	1.00	1.00		
		Max_SAIs	2.00	2.00		

INPUT COMPARISON

24gdist	24 Gauge Distribution Cable Costs	Underground	4,200	$	40.36	$	40.36	
		Underground	3,600	$	35.32	$	35.32	
		Underground	3,000	$	30.28	$	30.28	
		Underground	2,400	$	25.24	$	25.24	
		Underground	2,100	$	22.72	$	22.72	
		Underground	1,800	$	20.20	$	20.20	
		Underground	1,200	$	15.16	$	15.16	
		Underground	900	$	12.64	$	12.64	
		Underground	600	$	10.12	$	10.12	
		Underground	400	$	8.43	$	8.43	
		Underground	300	$	7.59	$	7.59	
		Underground	200	$	6.75	$	6.75	
		Underground	100	$	5.91	$	5.91	
		Underground	50	$	5.49	$	5.49	
		Underground	25	$	5.28	$	5.28	
		Underground	18	$	5.23	$	5.23	
		Underground	12	$	5.17	$	5.17	
		Underground	6	$	5.12	$	5.12	
		Underground	1	$	5.08	$	5.08	
		Buried	4,200	$	41.97	$	41.97	
		Buried	3,600	$	36.07	$	36.07	
		Buried	3,000	$	30.17	$	30.17	
		Buried	2,400	$	24.27	$	24.27	
		Buried	2,100	$	21.32	$	21.32	
		Buried	1,800	$	18.37	$	18.37	
		Buried	1,200	$	12.47	$	12.47	
		Buried	900	$	9.51	$	9.51	
		Buried	600	$	6.56	$	6.56	
		Buried	400	$	4.60	$	4.60	
		Buried	300	$	3.61	$	3.61	
		Buried	200	$	2.63	$	2.63	
		Buried	100	$	1.65	$	1.65	
		Buried	50	$	1.16	$	1.16	
		Buried	25	$	0.91	$	0.91	
		Buried	18	$	0.84	$	0.84	
		Buried	12	$	0.78	$	0.78	
		Buried	6	$	0.72	$	0.72	
		Buried	1	$	0.67	$	0.67	
		Aerial	4,200	$	39.57	$	39.57	
		Aerial	3,600	$	34.10	$	34.10	
		Aerial	3,000	$	28.64	$	28.64	
		Aerial	2,400	$	23.17	$	23.17	
		Aerial	2,100	$	20.44	$	20.44	
		Aerial	1,800	$	17.70	$	17.70	
		Aerial	1,200	$	12.23	$	12.23	
		Aerial	900	$	9.50	$	9.50	
		Aerial	600	$	6.77	$	6.77	
		Aerial	400	$	4.95	$	4.95	
		Aerial	300	$	4.03	$	4.03	
		Aerial	200	$	3.12	$	3.12	
		Aerial	100	$	2.21	$	2.21	
		Aerial	50	$	1.76	$	1.76	
		Aerial	25	$	1.53	$	1.53	
		Aerial	18	$	1.46	$	1.46	
		Aerial	12	$	1.41	$	1.41	
		Aerial	6	$	1.36	$	1.36	
		Aerial	1	$	1.31	$	1.31	

INPUT COMPARISON

Sample	Sub-Item	Size	Detail	Model	Number	Percent
26gdist	26 Guage Distribution Cable Costs	Underground 4,200	$ 30.07	$ 30.07		
		Underground 3,600	$ 26.37	$ 26.37		
		Underground 3,000	$ 22.67	$ 22.67		
		Underground 2,400	$ 18.97	$ 18.97		
		Underground 2,100	$ 17.12	$ 17.12		
		Underground 1,800	$ 15.27	$ 15.27		
		Underground 1,200	$ 11.60	$ 11.60		
		Underground 900	$ 9.78	$ 9.78		
		Underground 600	$ 7.98	$ 7.98		
		Underground 400	$ 6.82	$ 6.82		
		Underground 300	$ 6.27	$ 6.27		
		Underground 200	$ 5.75	$ 5.75		
		Underground 100	$ 5.32	$ 5.32		
		Underground 50	$ 5.18	$ 5.18		
		Underground 25	$ 5.15	$ 5.15		
		Underground 18	$ 5.15	$ 5.15		
		Underground 12	$ 5.15	$ 5.15		
		Underground 6	$ 5.16	$ 5.16		
		Underground 1	$ 5.16	$ 5.16		
		Buried 4,200	$ 31.81	$ 31.81		
		Buried 3,600	$ 27.37	$ 27.37		
		Buried 3,000	$ 22.93	$ 22.93		
		Buried 2,400	$ 18.49	$ 18.49		
		Buried 2,100	$ 16.27	$ 16.27		
		Buried 1,800	$ 14.05	$ 14.05		
		Buried 1,200	$ 9.61	$ 9.61		
		Buried 900	$ 7.39	$ 7.39		
		Buried 600	$ 5.17	$ 5.17		
		Buried 400	$ 3.68	$ 3.68		
		Buried 300	$ 2.94	$ 2.94		
		Buried 200	$ 2.20	$ 2.20		
		Buried 100	$ 1.45	$ 1.45		
		Buried 50	$ 1.07	$ 1.07		
		Buried 25	$ 0.88	$ 0.88		
		Buried 18	$ 0.82	$ 0.82		
		Buried 12	$ 0.78	$ 0.78		
		Buried 6	$ 0.73	$ 0.73		
		Buried 1	$ 0.69	$ 0.69		
		Aerial 4,200	$ 28.48	$ 28.48		
		Aerial 3,600	$ 24.63	$ 24.63		
		Aerial 3,000	$ 20.78	$ 20.78		
		Aerial 2,400	$ 16.94	$ 16.94		
		Aerial 2,100	$ 15.01	$ 15.01		
		Aerial 1,800	$ 13.09	$ 13.09		
		Aerial 1,200	$ 9.23	$ 9.23		
		Aerial 900	$ 7.31	$ 7.31		
		Aerial 600	$ 5.38	$ 5.38		
		Aerial 400	$ 4.08	$ 4.08		
		Aerial 300	$ 3.44	$ 3.44		
		Aerial 200	$ 2.78	$ 2.78		
		Aerial 100	$ 2.12	$ 2.12		
		Aerial 50	$ 1.79	$ 1.79		
		Aerial 25	$ 1.61	$ 1.61		
		Aerial 18	$ 1.57	$ 1.57		
		Aerial 12	$ 1.52	$ 1.52		
		Aerial 6	$ 1.48	$ 1.48		
		Aerial 1	$ 1.45	$ 1.45		

INPUT COMPARISON

24gfdr	24 Guage Feeder Cable Costs	Underground	4,200	$ 40.36	$ 40.36		
		Underground	3,600	$ 35.32	$ 35.32		
		Underground	3,000	$ 30.28	$ 30.28		
		Underground	2,400	$ 25.24	$ 25.24		
		Underground	2,100	$ 22.72	$ 22.72		
		Underground	1,800	$ 20.20	$ 20.20		
		Underground	1,200	$ 15.16	$ 15.16		
		Underground	900	$ 12.64	$ 12.64		
		Underground	600	$ 10.12	$ 10.12		
		Underground	400	$ 8.43	$ 8.43		
		Underground	300	$ 7.59	$ 7.59		
		Underground	200	$ 6.75	$ 6.75		
		Underground	100	$ 5.91	$ 5.91		
		Underground	50	$ 5.49	$ 5.49		
		Underground	25	$ 5.28	$ 5.28		
		Underground	18	$ 5.23	$ 5.23		
		Underground	12	$ 5.17	$ 5.17		
		Underground	6	$ 5.12	$ 5.12		
		Underground	1	$ 5.08	$ 5.08		
		Buried	4,200	$ 41.97	$ 41.97		
		Buried	3,600	$ 36.07	$ 36.07		
		Buried	3,000	$ 30.17	$ 30.17		
		Buried	2,400	$ 24.27	$ 24.27		
		Buried	2,100	$ 21.32	$ 21.32		
		Buried	1,800	$ 18.37	$ 18.37		
		Buried	1,200	$ 12.47	$ 12.47		
		Buried	900	$ 9.51	$ 9.51		
		Buried	600	$ 6.56	$ 6.56		
		Buried	400	$ 4.60	$ 4.60		
		Buried	300	$ 3.61	$ 3.61		
		Buried	200	$ 2.63	$ 2.63		
		Buried	100	$ 1.65	$ 1.65		
		Buried	50	$ 1.16	$ 1.16		
		Buried	25	$ 0.91	$ 0.91		
		Buried	18	$ 0.84	$ 0.84		
		Buried	12	$ 0.78	$ 0.78		
		Buried	6	$ 0.72	$ 0.72		
		Buried	1	$ 0.67	$ 0.67		
		Aerial	4,200	$ 39.57	$ 39.57		
		Aerial	3,600	$ 34.10	$ 34.10		
		Aerial	3,000	$ 28.64	$ 28.64		
		Aerial	2,400	$ 23.17	$ 23.17		
		Aerial	2,100	$ 20.44	$ 20.44		
		Aerial	1,800	$ 17.70	$ 17.70		
		Aerial	1,200	$ 12.23	$ 12.23		
		Aerial	900	$ 9.50	$ 9.50		
		Aerial	600	$ 6.77	$ 6.77		
		Aerial	400	$ 4.95	$ 4.95		
		Aerial	300	$ 4.03	$ 4.03		
		Aerial	200	$ 3.12	$ 3.12		
		Aerial	100	$ 2.21	$ 2.21		
		Aerial	50	$ 1.76	$ 1.76		
		Aerial	25	$ 1.53	$ 1.53		
		Aerial	18	$ 1.46	$ 1.46		
		Aerial	12	$ 1.41	$ 1.41		
		Aerial	6	$ 1.36	$ 1.36		
		Aerial	1	$ 1.31	$ 1.31		

INPUT COMPARISON

26gfdr	26 Gauge Feeder Costs	Underground	4,200	$ 30.07	$ 30.07		
		Underground	3,600	$ 26.37	$ 26.37		
		Underground	3,000	$ 22.67	$ 22.67		
		Underground	2,400	$ 18.97	$ 18.97		
		Underground	2,100	$ 17.12	$ 17.12		
		Underground	1,800	$ 15.27	$ 15.27		
		Underground	1,200	$ 11.60	$ 11.60		
		Underground	900	$ 9.78	$ 9.78		
		Underground	600	$ 7.98	$ 7.98		
		Underground	400	$ 6.82	$ 6.82		
		Underground	300	$ 6.27	$ 6.27		
		Underground	200	$ 5.75	$ 5.75		
		Underground	100	$ 5.32	$ 5.32		
		Underground	50	$ 5.18	$ 5.18		
		Underground	25	$ 5.15	$ 5.15		
		Underground	18	$ 5.15	$ 5.15		
		Underground	12	$ 5.15	$ 5.15		
		Underground	6	$ 5.16	$ 5.16		
		Underground	1	$ 5.16	$ 5.16		
		Buried	4,200	$ 31.81	$ 31.81		
		Buried	3,600	$ 27.37	$ 27.37		
		Buried	3,000	$ 22.93	$ 22.93		
		Buried	2,400	$ 18.49	$ 18.49		
		Buried	2,100	$ 16.27	$ 16.27		
		Buried	1,800	$ 14.05	$ 14.05		
		Buried	1,200	$ 9.61	$ 9.61		
		Buried	900	$ 7.39	$ 7.39		
		Buried	600	$ 5.17	$ 5.17		
		Buried	400	$ 3.68	$ 3.68		
		Buried	300	$ 2.94	$ 2.94		
		Buried	200	$ 2.20	$ 2.20		
		Buried	100	$ 1.45	$ 1.45		
		Buried	50	$ 1.07	$ 1.07		
		Buried	25	$ 0.88	$ 0.88		
		Buried	18	$ 0.82	$ 0.82		
		Buried	12	$ 0.78	$ 0.78		
		Buried	6	$ 0.73	$ 0.73		
		Buried	1	$ 0.69	$ 0.69		
		Aerial	4,200	$ 28.48	$ 28.48		
		Aerial	3,600	$ 24.63	$ 24.63		
		Aerial	3,000	$ 20.78	$ 20.78		
		Aerial	2,400	$ 16.94	$ 16.94		
		Aerial	2,100	$ 15.01	$ 15.01		
		Aerial	1,800	$ 13.09	$ 13.09		
		Aerial	1,200	$ 9.23	$ 9.23		
		Aerial	900	$ 7.31	$ 7.31		
		Aerial	600	$ 5.38	$ 5.38		
		Aerial	400	$ 4.08	$ 4.08		
		Aerial	300	$ 3.44	$ 3.44		
		Aerial	200	$ 2.78	$ 2.78		
		Aerial	100	$ 2.12	$ 2.12		
		Aerial	50	$ 1.79	$ 1.79		
		Aerial	25	$ 1.61	$ 1.61		
		Aerial	18	$ 1.57	$ 1.57		
		Aerial	12	$ 1.52	$ 1.52		
		Aerial	6	$ 1.48	$ 1.48		
		Aerial	1	$ 1.45	$ 1.45		

INPUT COMPARISON

T1fdr	T1 Feeder Costs	Underground	4,200	$	30.07	$	30.07	
		Underground	3,600	$	26.37	$	26.37	
		Underground	3,000	$	22.67	$	22.67	
		Underground	2,400	$	18.97	$	18.97	
		Underground	2,100	$	17.12	$	17.12	
		Underground	1,800	$	15.27	$	15.27	
		Underground	1,200	$	11.60	$	11.60	
		Underground	900	$	9.78	$	9.78	
		Underground	600	$	7.98	$	7.98	
		Underground	400	$	6.82	$	6.82	
		Underground	300	$	6.27	$	6.27	
		Underground	200	$	5.75	$	5.75	
		Underground	100	$	5.32	$	5.32	
		Underground	50	$	5.18	$	5.18	
		Underground	25	$	5.15	$	5.15	
		Underground	18	$	5.15	$	5.15	
		Underground	12	$	5.15	$	5.15	
		Underground	6	$	5.16	$	5.16	
		Underground	1	$	5.16	$	5.16	
		Buried	4,200	$	31.81	$	31.81	
		Buried	3,600	$	27.37	$	27.37	
		Buried	3,000	$	22.93	$	22.93	
		Buried	2,400	$	18.49	$	18.49	
		Buried	2,100	$	16.27	$	16.27	
		Buried	1,800	$	14.05	$	14.05	
		Buried	1,200	$	9.61	$	9.61	
		Buried	900	$	7.39	$	7.39	
		Buried	600	$	5.17	$	5.17	
		Buried	400	$	3.68	$	3.68	
		Buried	300	$	2.94	$	2.94	
		Buried	200	$	2.20	$	2.20	
		Buried	100	$	1.45	$	1.45	
		Buried	50	$	1.07	$	1.07	
		Buried	25	$	0.88	$	0.88	
		Buried	18	$	0.82	$	0.82	
		Buried	12	$	0.78	$	0.78	
		Buried	6	$	0.73	$	0.73	
		Buried	1	$	0.69	$	0.69	
		Aerial	4,200	$	28.48	$	28.48	
		Aerial	3,600	$	24.63	$	24.63	
		Aerial	3,000	$	20.78	$	20.78	
		Aerial	2,400	$	16.94	$	16.94	
		Aerial	2,100	$	15.01	$	15.01	
		Aerial	1,800	$	13.09	$	13.09	
		Aerial	1,200	$	9.23	$	9.23	
		Aerial	900	$	7.31	$	7.31	
		Aerial	600	$	5.38	$	5.38	
		Aerial	400	$	4.08	$	4.08	
		Aerial	300	$	3.44	$	3.44	
		Aerial	200	$	2.78	$	2.78	
		Aerial	100	$	2.12	$	2.12	
		Aerial	50	$	1.79	$	1.79	
		Aerial	25	$	1.61	$	1.61	
		Aerial	18	$	1.57	$	1.57	
		Aerial	12	$	1.52	$	1.52	
		Aerial	6	$	1.48	$	1.48	
		Aerial	1	$	1.45	$	1.45	

INPUT COMPARISON

Source		Struct Type	Size	Default	Direct	Number	Percent
FIBRCABL	Fiber Cable Costs	Underground	288	$ 9.43	$ 9.43		
		Underground	144	$ 6.14	$ 6.14		
		Underground	96	$ 5.04	$ 5.04		
		Underground	72	$ 4.49	$ 4.49		
		Underground	60	$ 4.22	$ 4.22		
		Underground	48	$ 3.94	$ 3.94		
		Underground	36	$ 3.67	$ 3.67		
		Underground	24	$ 3.40	$ 3.40		
		Underground	18	$ 3.26	$ 3.26		
		Underground	12	$ 3.12	$ 3.12		
		Underground	1	$ 2.87	$ 2.87		
		Buried	288	$ 8.89	$ 8.89		
		Buried	144	$ 4.76	$ 4.76		
		Buried	96	$ 3.39	$ 3.39		
		Buried	72	$ 2.70	$ 2.70		
		Buried	60	$ 2.35	$ 2.35		
		Buried	48	$ 2.01	$ 2.01		
		Buried	36	$ 1.67	$ 1.67		
		Buried	24	$ 1.32	$ 1.32		
		Buried	18	$ 1.15	$ 1.15		
		Buried	12	$ 0.98	$ 0.98		
		Buried	1	$ 0.66	$ 0.66		
		Aerial	288	$ 8.17	$ 8.17		
		Aerial	144	$ 4.69	$ 4.69		
		Aerial	96	$ 3.53	$ 3.53		
		Aerial	72	$ 2.95	$ 2.95		
		Aerial	60	$ 2.66	$ 2.66		
		Aerial	48	$ 2.37	$ 2.37		
		Aerial	36	$ 2.08	$ 2.08		
		Aerial	24	$ 1.79	$ 1.79		
		Aerial	18	$ 1.65	$ 1.65		
		Aerial	12	$ 1.50	$ 1.50		
		Aerial	1	$ 1.24	$ 1.24		

Source		Struct Type	Density	Default	Direct	Number	Percent
DISTRMIX	Distribution Plant Mix	Underground	-	0.00%	1.00%		1.00%
		Underground	5	1.00%	1.00%		
		Underground	100	2.00%	1.00%		-1.00%
		Underground	200	4.00%	1.00%		-3.00%
		Underground	650	8.00%	1.00%		-7.00%
		Underground	850	20.00%	1.00%		-19.00%
		Underground	2,550	40.00%	5.00%		-35.00%
		Underground	5,000	60.00%	5.00%		-55.00%
		Underground	10,000	90.00%	10.00%		-80.00%
		Buried	-	60.00%	64.00%		4.00%
		Buried	5	62.00%	64.00%		2.00%
		Buried	100	68.00%	64.00%		-4.00%
		Buried	200	66.00%	64.00%		-2.00%
		Buried	650	62.00%	64.00%		2.00%
		Buried	850	50.00%	64.00%		14.00%
		Buried	2,550	30.00%	60.00%		30.00%
		Buried	5,000	10.00%	35.00%		25.00%
		Buried	10,000	0.00%	5.00%		5.00%
		Aerial	-	40.00%	35.00%		-5.00%
		Aerial	5	37.00%	35.00%		-2.00%
		Aerial	100	30.00%	35.00%		5.00%
		Aerial	200	30.00%	35.00%		5.00%
		Aerial	650	30.00%	35.00%		5.00%
		Aerial	850	30.00%	35.00%		5.00%
		Aerial	2,550	30.00%	35.00%		5.00%
		Aerial	5,000	30.00%	60.00%		30.00%
		Aerial	10,000	10.00%	85.00%		75.00%

INPUT COMPARISON

Source		Struct Type	Density	Default	Direct	Number	Percent
CuFDRMIX	Copper Feeder Plant Mix	Underground	-	5.00%	5.00%		
		Underground	5	5.00%	5.00%		
		Underground	100	5.00%	5.00%		
		Underground	200	20.00%	5.00%		-15.00%
		Underground	650	40.00%	5.00%		-35.00%
		Underground	850	60.00%	5.00%		-55.00%
		Underground	2,550	75.00%	20.00%		-55.00%
		Underground	5,000	90.00%	40.00%		-50.00%
		Underground	10,000	95.00%	70.00%		-25.00%
		Buried	-	50.00%	60.00%		10.00%
		Buried	5	50.00%	60.00%		10.00%
		Buried	100	50.00%	60.00%		10.00%
		Buried	200	40.00%	60.00%		20.00%
		Buried	650	30.00%	60.00%		30.00%
		Buried	850	25.00%	60.00%		35.00%
		Buried	2,550	15.00%	45.00%		30.00%
		Buried	5,000	5.00%	35.00%		30.00%
		Buried	10,000	0.00%	5.00%		5.00%
		Aerial	-	45.00%	35.00%		-10.00%
		Aerial	5	45.00%	35.00%		-10.00%
		Aerial	100	45.00%	35.00%		-10.00%
		Aerial	200	40.00%	35.00%		-5.00%
		Aerial	650	30.00%	35.00%		5.00%
		Aerial	850	15.00%	35.00%		20.00%
		Aerial	2,550	10.00%	35.00%		25.00%
		Aerial	5,000	5.00%	25.00%		20.00%
		Aerial	10,000	5.00%	25.00%		20.00%

Source		Struct Type	Density	Default	Direct	Number	Percent
FiFDRMIX	Fiber Feeder Plant Mix	Underground	-	5.00%	5.00%		
		Underground	5	5.00%	5.00%		
		Underground	100	5.00%	5.00%		
		Underground	200	20.00%	5.00%		-15.00%
		Underground	650	40.00%	5.00%		-35.00%
		Underground	850	60.00%	5.00%		-55.00%
		Underground	2,550	75.00%	20.00%		-55.00%
		Underground	5,000	90.00%	40.00%		-50.00%
		Underground	10,000	95.00%	70.00%		-25.00%
		Buried	-	50.00%	40.00%		-10.00%
		Buried	5	50.00%	40.00%		-10.00%
		Buried	100	50.00%	40.00%		-10.00%
		Buried	200	40.00%	40.00%		
		Buried	650	30.00%	40.00%		10.00%
		Buried	850	25.00%	40.00%		15.00%
		Buried	2,550	15.00%	35.00%		20.00%
		Buried	5,000	5.00%	25.00%		20.00%
		Buried	10,000	0.00%	5.00%		5.00%
		Aerial	-	45.00%	55.00%		10.00%
		Aerial	5	45.00%	55.00%		10.00%
		Aerial	100	45.00%	55.00%		10.00%
		Aerial	200	40.00%	55.00%		15.00%
		Aerial	650	30.00%	55.00%		25.00%
		Aerial	850	15.00%	55.00%		40.00%
		Aerial	2,550	10.00%	45.00%		35.00%
		Aerial	5,000	5.00%	35.00%		30.00%
		Aerial	10,000	5.00%	25.00%		20.00%

INPUT COMPARISON

DROP	Drop Terminal Costs	Buried	1	$	133.46	$	133.46	
		Buried	6	$	157.05	$	157.05	
		Buried	12	$	440.87	$	440.87	
		Buried	25	$	451.00	$	451.00	
		Buried	50	$	220.00	$	220.00	
		Buried	100	$	333.00	$	333.00	
		Buried	200	$	665.00	$	665.00	
		Buried	400	$	1,331.00	$	1,331.00	
		Buried	600	$	1,996.00	$	1,996.00	
		Buried	900	$	2,770.00	$	2,770.00	
		Buried	1,200	$	3,993.00	$	3,993.00	
		Buried	1,800	$	5,539.00	$	5,539.00	
		Buried	2,400	$	7,536.00	$	7,536.00	
		Buried	3,600	$	11,079.00	$	11,079.00	
		Buried	5,400	$	16,618.00	$	16,618.00	
		Buried	7,200	$	21,708.00	$	21,708.00	
		Aerial	1	$	70.44	$	70.44	
		Aerial	6	$	95.98	$	95.98	
		Aerial	12	$	131.81	$	131.81	
		Aerial	25	$	216.00	$	216.00	
		Aerial	50	$	220.00	$	220.00	
		Aerial	100	$	333.00	$	333.00	
		Aerial	200	$	665.00	$	665.00	
		Aerial	400	$	1,331.00	$	1,331.00	
		Aerial	600	$	1,996.00	$	1,996.00	
		Aerial	900	$	2,770.00	$	2,770.00	
		Aerial	1,200	$	3,993.00	$	3,993.00	
		Aerial	1,800	$	5,539.00	$	5,539.00	
		Aerial	2,400	$	7,536.00	$	7,536.00	
		Aerial	3,600	$	11,079.00	$	11,079.00	
		Aerial	5,400	$	16,618.00	$	16,618.00	
		Aerial	7,200	$	21,708.00	$	21,708.00	
		Underground	1	$	133.46	$	133.46	
		Underground	6	$	157.05	$	157.05	
		Underground	12	$	440.87	$	440.87	
		Underground	25	$	451.00	$	451.00	
		Underground	50	$	220.00	$	220.00	
		Underground	100	$	333.00	$	333.00	
		Underground	200	$	665.00	$	665.00	
		Underground	400	$	1,331.00	$	1,331.00	
		Underground	600	$	1,996.00	$	1,996.00	
		Underground	900	$	2,770.00	$	2,770.00	
		Underground	1,200	$	3,993.00	$	3,993.00	
		Underground	1,800	$	5,539.00	$	5,539.00	
		Underground	2,400	$	7,536.00	$	7,536.00	
		Underground	3,600	$	11,079.00	$	11,079.00	
		Underground	5,400	$	16,618.00	$	16,618.00	
		Underground	7,200	$	21,708.00	$	21,708.00	

INPUT COMPARISON

Source	Cell Type	Size	Default	Direct	Number	Percent
FDI	Feeder Distribution Interface Costs	Outdoor 1	$ 150.78	$ 150.78		
		Outdoor 50	$ 562.00	$ 562.00		
		Outdoor 100	$ 787.00	$ 787.00		
		Outdoor 200	$ 1,349.00	$ 1,349.00		
		Outdoor 400	$ 2,248.00	$ 2,248.00		
		Outdoor 600	$ 3,147.00	$ 3,147.00		
		Outdoor 900	$ 4,271.00	$ 4,271.00		
		Outdoor 1,200	$ 5,395.00	$ 5,395.00		
		Outdoor 1,800	$ 7,644.00	$ 7,644.00		
		Outdoor 2,400	$ 9,667.00	$ 9,667.00		
		Outdoor 3,600	$ 13,489.00	$ 13,489.00		
		Outdoor 5,400	$ 18,434.00	$ 18,434.00		
		Outdoor 7,200	$ 22,481.00	$ 22,481.00		
		Outdoor 9,000	$ 30,125.00	$ 30,125.00		
		Outdoor 10,800	$ 35,970.00	$ 35,970.00		
		Outdoor 12,600	$ 40,915.00	$ 40,915.00		
		Outdoor 14,400	$ 44,962.00	$ 44,962.00		
		Outdoor 16,200	$ 52,606.00	$ 52,606.00		
		Outdoor 18,000	$ 58,451.00	$ 58,451.00		
		Outdoor 19,800	$ 63,396.00	$ 63,396.00		
		Outdoor 21,600	$ 67,443.00	$ 67,443.00		
		Outdoor 23,400	$ 75,087.00	$ 75,087.00		
		Outdoor 25,200	$ 80,932.00	$ 80,932.00		
		Outdoor 27,000	$ 85,877.00	$ 85,877.00		
		Outdoor 28,800	$ 89,924.00	$ 89,924.00		
		Indoor 1	$ 150.78	$ 150.78		
		Indoor 50	$ 220.00	$ 220.00		
		Indoor 100	$ 333.00	$ 333.00		
		Indoor 200	$ 665.00	$ 665.00		
		Indoor 400	$ 1,331.00	$ 1,331.00		
		Indoor 600	$ 1,996.00	$ 1,996.00		
		Indoor 900	$ 2,770.00	$ 2,770.00		
		Indoor 1,200	$ 3,993.00	$ 3,993.00		
		Indoor 1,800	$ 5,539.00	$ 5,539.00		
		Indoor 2,400	$ 7,536.00	$ 7,536.00		
		Indoor 3,600	$ 11,079.00	$ 11,079.00		
		Indoor 5,400	$ 16,618.00	$ 16,618.00		
		Indoor 7,200	$ 21,708.00	$ 21,708.00		
		Indoor 9,000	$ 27,247.00	$ 27,247.00		
		Indoor 10,800	$ 32,787.00	$ 32,787.00		
		Indoor 12,600	$ 38,326.00	$ 38,326.00		
		Indoor 14,400	$ 43,416.00	$ 43,416.00		
		Indoor 16,200	$ 48,955.00	$ 48,955.00		
		Indoor 18,000	$ 54,495.00	$ 54,495.00		
		Indoor 19,800	$ 60,034.00	$ 60,034.00		
		Indoor 21,600	$ 65,124.00	$ 65,124.00		
		Indoor 23,400	$ 70,663.00	$ 70,663.00		
		Indoor 25,200	$ 76,203.00	$ 76,203.00		
		Indoor 27,000	$ 81,742.00	$ 81,742.00		
		Indoor 28,800	$ 86,832.00	$ 86,832.00		

Source	Plant Type	Density	Default	Direct	Number	Percent
FILLFACT	Fill Factors	Feeder -	70.00%	70.00%		
		Feeder 5	77.50%	77.50%		
		Feeder 100	80.00%	80.00%		
		Feeder 200	82.50%	82.50%		
		Feeder 650	82.50%	82.50%		
		Feeder 850	82.50%	82.50%		
		Feeder 2,550	82.50%	82.50%		
		Feeder 5,000	82.50%	82.50%		
		Feeder 10,000	82.50%	82.50%		
		Distribution -	50.00%	50.00%		
		Distribution 5	55.00%	55.00%		
		Distribution 100	55.00%	55.00%		
		Distribution 200	60.00%	60.00%		
		Distribution 650	70.00%	70.00%		
		Distribution 850	75.00%	75.00%		
		Distribution 2,550	75.00%	75.00%		
		Distribution 5,000	75.00%	75.00%		
		Distribution 10,000	75.00%	75.00%		

INPUT COMPARISON

NORMAL	Normal Terrain Costs	Underground	Feeder	-	$ 1.86	$ 1.12	$ (0.74)	-40.00%
		Underground	Feeder	5	$ 1.86	$ 1.12	$ (0.74)	-40.00%
		Underground	Feeder	100	$ 7.63	$ 4.58	$ (3.05)	-40.00%
		Underground	Feeder	200	$ 8.16	$ 4.90	$ (3.27)	-40.00%
		Underground	Feeder	650	$ 8.90	$ 5.34	$ (3.56)	-40.00%
		Underground	Feeder	850	$ 10.23	$ 6.14	$ (4.09)	-40.00%
		Underground	Feeder	2,550	$ 14.15	$ 8.49	$ (5.66)	-40.00%
		Underground	Feeder	5,000	$ 27.79	$ 16.67	$ (11.12)	-40.00%
		Underground	Feeder	10,000	$ 42.59	$ 25.55	$ (17.03)	-40.00%
		Underground	Distribution	-	$ 1.86	$ 1.86		
		Underground	Distribution	5	$ 1.86	$ 1.86		
		Underground	Distribution	100	$ 7.59	$ 7.59		
		Underground	Distribution	200	$ 8.38	$ 8.38		
		Underground	Distribution	650	$ 9.25	$ 9.25		
		Underground	Distribution	850	$ 10.53	$ 10.53		
		Underground	Distribution	2,550	$ 14.23	$ 14.23		
		Underground	Distribution	5,000	$ 27.78	$ 27.78		
		Underground	Distribution	10,000	$ 42.57	$ 42.57		
		Buried	Feeder	-	$ 0.77	$ 0.46	$ (0.31)	-40.00%
		Buried	Feeder	5	$ 1.54	$ 0.92	$ (0.62)	-40.00%
		Buried	Feeder	100	$ 3.24	$ 1.94	$ (1.29)	-40.00%
		Buried	Feeder	200	$ 4.26	$ 2.56	$ (1.70)	-40.00%
		Buried	Feeder	650	$ 5.20	$ 3.12	$ (2.08)	-40.00%
		Buried	Feeder	850	$ 5.51	$ 3.31	$ (2.21)	-40.00%
		Buried	Feeder	2,550	$ 7.34	$ 4.40	$ (2.93)	-40.00%
		Buried	Feeder	5,000	$ 9.02	$ 5.41	$ (3.61)	-40.00%
		Buried	Feeder	10,000	$ 11.93	$ 7.16	$ (4.77)	-40.00%
		Buried	Distribution	-	$ 0.77	$ 0.77		
		Buried	Distribution	5	$ 1.54	$ 1.54		
		Buried	Distribution	100	$ 3.14	$ 3.14		
		Buried	Distribution	200	$ 4.45	$ 4.45		
		Buried	Distribution	650	$ 5.52	$ 5.52		
		Buried	Distribution	850	$ 5.82	$ 5.82		
		Buried	Distribution	2,550	$ 7.42	$ 7.42		
		Buried	Distribution	5,000	$ 9.00	$ 9.00		
		Buried	Distribution	10,000	$ 11.91	$ 11.91		
		Aerial	Feeder	-	$ 1.51	$ 0.91	$ (0.60)	-40.00%
		Aerial	Feeder	5	$ 1.51	$ 0.91	$ (0.60)	-40.00%
		Aerial	Feeder	100	$ 1.98	$ 1.19	$ (0.79)	-40.00%
		Aerial	Feeder	200	$ 1.98	$ 1.19	$ (0.79)	-40.00%
		Aerial	Feeder	650	$ 2.27	$ 1.36	$ (0.91)	-40.00%
		Aerial	Feeder	850	$ 2.27	$ 1.36	$ (0.91)	-40.00%
		Aerial	Feeder	2,550	$ 2.64	$ 1.59	$ (1.06)	-40.00%
		Aerial	Feeder	5,000	$ 2.72	$ 1.63	$ (1.09)	-40.00%
		Aerial	Feeder	10,000	$ 2.72	$ 1.63	$ (1.09)	-40.00%
		Aerial	Distribution	-	$ 1.51	$ 1.51		
		Aerial	Distribution	5	$ 1.51	$ 1.51		
		Aerial	Distribution	100	$ 1.98	$ 1.98		
		Aerial	Distribution	200	$ 1.98	$ 1.98		
		Aerial	Distribution	650	$ 2.27	$ 2.27		
		Aerial	Distribution	850	$ 2.27	$ 2.27		
		Aerial	Distribution	2,550	$ 2.64	$ 2.64		
		Aerial	Distribution	5,000	$ 2.72	$ 2.72		
		Aerial	Distribution	10,000	$ 2.72	$ 2.72		

INPUT COMPARISON

SOFTROCK	SoftRock Costs	Underground	Feeder	-	$ 5.78	$ 3.47	$ (2.31)	-40.00%
		Underground	Feeder	5	$ 5.78	$ 3.47	$ (2.31)	-40.00%
		Underground	Feeder	100	$ 9.04	$ 5.42	$ (3.62)	-40.00%
		Underground	Feeder	200	$ 9.99	$ 6.00	$ (4.00)	-40.00%
		Underground	Feeder	650	$ 11.02	$ 6.61	$ (4.41)	-40.00%
		Underground	Feeder	850	$ 13.24	$ 7.95	$ (5.30)	-40.00%
		Underground	Feeder	2,550	$ 18.66	$ 11.20	$ (7.46)	-40.00%
		Underground	Feeder	5,000	$ 38.86	$ 23.32	$ (15.54)	-40.00%
		Underground	Feeder	10,000	$ 61.20	$ 36.72	$ (24.48)	-40.00%
		Underground	Distribution	-	$ 5.78	$ 5.78		
		Underground	Distribution	5	$ 5.78	$ 5.78		
		Underground	Distribution	100	$ 9.10	$ 9.10		
		Underground	Distribution	200	$ 10.25	$ 10.25		
		Underground	Distribution	650	$ 11.31	$ 11.31		
		Underground	Distribution	850	$ 13.52	$ 13.52		
		Underground	Distribution	2,550	$ 18.74	$ 18.74		
		Underground	Distribution	5,000	$ 38.85	$ 38.85		
		Underground	Distribution	10,000	$ 61.19	$ 61.19		
		Buried	Feeder	-	$ 1.40	$ 0.84	$ (0.56)	-40.00%
		Buried	Feeder	5	$ 2.17	$ 1.30	$ (0.87)	-40.00%
		Buried	Feeder	100	$ 3.81	$ 2.29	$ (1.52)	-40.00%
		Buried	Feeder	200	$ 5.04	$ 3.02	$ (2.02)	-40.00%
		Buried	Feeder	650	$ 6.42	$ 3.85	$ (2.57)	-40.00%
		Buried	Feeder	850	$ 7.03	$ 4.22	$ (2.81)	-40.00%
		Buried	Feeder	2,550	$ 9.18	$ 5.51	$ (3.67)	-40.00%
		Buried	Feeder	5,000	$ 11.70	$ 7.02	$ (4.68)	-40.00%
		Buried	Feeder	10,000	$ 16.15	$ 9.69	$ (6.46)	-40.00%
		Buried	Distribution	-	$ 1.40	$ 1.40		
		Buried	Distribution	5	$ 2.17	$ 2.17		
		Buried	Distribution	100	$ 3.93	$ 3.93		
		Buried	Distribution	200	$ 5.32	$ 5.32		
		Buried	Distribution	650	$ 6.70	$ 6.70		
		Buried	Distribution	850	$ 7.29	$ 7.29		
		Buried	Distribution	2,550	$ 9.27	$ 9.27		
		Buried	Distribution	5,000	$ 11.68	$ 11.68		
		Buried	Distribution	10,000	$ 16.13	$ 16.13		
		Aerial	Feeder	-	$ 1.80	$ 1.08	$ (0.72)	-40.00%
		Aerial	Feeder	5	$ 1.80	$ 1.08	$ (0.72)	-40.00%
		Aerial	Feeder	100	$ 2.35	$ 1.41	$ (0.94)	-40.00%
		Aerial	Feeder	200	$ 2.35	$ 1.41	$ (0.94)	-40.00%
		Aerial	Feeder	650	$ 2.68	$ 1.61	$ (1.07)	-40.00%
		Aerial	Feeder	850	$ 2.68	$ 1.61	$ (1.07)	-40.00%
		Aerial	Feeder	2,550	$ 3.13	$ 1.88	$ (1.25)	-40.00%
		Aerial	Feeder	5,000	$ 3.21	$ 1.92	$ (1.28)	-40.00%
		Aerial	Feeder	10,000	$ 3.21	$ 1.92	$ (1.28)	-40.00%
		Aerial	Distribution	-	$ 1.80	$ 1.80		
		Aerial	Distribution	5	$ 1.80	$ 1.80		
		Aerial	Distribution	100	$ 2.35	$ 2.35		
		Aerial	Distribution	200	$ 2.35	$ 2.35		
		Aerial	Distribution	650	$ 2.68	$ 2.68		
		Aerial	Distribution	850	$ 2.68	$ 2.68		
		Aerial	Distribution	2,550	$ 3.13	$ 3.13		
		Aerial	Distribution	5,000	$ 3.21	$ 3.21		
		Aerial	Distribution	10,000	$ 3.21	$ 3.21		

INPUT COMPARISON

HARDROCK	HardRock Costs	Underground	Feeder	-	$ 9.69	$ 5.82	$ (3.88)	-40.00%
		Underground	Feeder	5	$ 9.69	$ 5.82	$ (3.88)	-40.00%
		Underground	Feeder	100	$ 16.93	$ 10.16	$ (6.77)	-40.00%
		Underground	Feeder	200	$ 17.57	$ 10.54	$ (7.03)	-40.00%
		Underground	Feeder	650	$ 18.63	$ 11.18	$ (7.45)	-40.00%
		Underground	Feeder	850	$ 21.40	$ 12.84	$ (8.56)	-40.00%
		Underground	Feeder	2,550	$ 27.62	$ 16.57	$ (11.05)	-40.00%
		Underground	Feeder	5,000	$ 58.18	$ 34.91	$ (23.27)	-40.00%
		Underground	Feeder	10,000	$ 92.02	$ 55.21	$ (36.81)	-40.00%
		Underground	Distribution	-	$ 9.69	$ 9.69		
		Underground	Distribution	5	$ 9.69	$ 9.69		
		Underground	Distribution	100	$ 16.84	$ 16.84		
		Underground	Distribution	200	$ 17.57	$ 17.57		
		Underground	Distribution	650	$ 18.69	$ 18.69		
		Underground	Distribution	850	$ 21.45	$ 21.45		
		Underground	Distribution	2,550	$ 27.63	$ 27.63		
		Underground	Distribution	5,000	$ 58.19	$ 58.19		
		Underground	Distribution	10,000	$ 92.02	$ 92.02		
		Buried	Feeder	-	$ 2.04	$ 1.22	$ (0.81)	-40.00%
		Buried	Feeder	5	$ 2.80	$ 1.68	$ (1.12)	-40.00%
		Buried	Feeder	100	$ 4.89	$ 2.94	$ (1.96)	-40.00%
		Buried	Feeder	200	$ 6.45	$ 3.87	$ (2.58)	-40.00%
		Buried	Feeder	650	$ 7.67	$ 4.60	$ (3.07)	-40.00%
		Buried	Feeder	850	$ 8.65	$ 5.19	$ (3.46)	-40.00%
		Buried	Feeder	2,550	$ 11.87	$ 7.12	$ (4.75)	-40.00%
		Buried	Feeder	5,000	$ 15.71	$ 9.43	$ (6.29)	-40.00%
		Buried	Feeder	10,000	$ 22.46	$ 13.48	$ (8.98)	-40.00%
		Buried	Distribution	-	$ 2.04	$ 2.04		
		Buried	Distribution	5	$ 2.80	$ 2.80		
		Buried	Distribution	100	$ 4.89	$ 4.89		
		Buried	Distribution	200	$ 6.37	$ 6.37		
		Buried	Distribution	650	$ 7.73	$ 7.73		
		Buried	Distribution	850	$ 8.69	$ 8.69		
		Buried	Distribution	2,550	$ 11.87	$ 11.87		
		Buried	Distribution	5,000	$ 15.72	$ 15.72		
		Buried	Distribution	10,000	$ 22.46	$ 22.46		
		Aerial	Feeder	-	$ 2.09	$ 1.26	$ (0.84)	-40.00%
		Aerial	Feeder	5	$ 2.09	$ 1.26	$ (0.84)	-40.00%
		Aerial	Feeder	100	$ 2.71	$ 1.63	$ (1.08)	-40.00%
		Aerial	Feeder	200	$ 2.71	$ 1.63	$ (1.08)	-40.00%
		Aerial	Feeder	650	$ 3.10	$ 1.86	$ (1.24)	-40.00%
		Aerial	Feeder	850	$ 3.10	$ 1.86	$ (1.24)	-40.00%
		Aerial	Feeder	2,550	$ 3.61	$ 2.17	$ (1.45)	-40.00%
		Aerial	Feeder	5,000	$ 3.69	$ 2.21	$ (1.48)	-40.00%
		Aerial	Feeder	10,000	$ 3.69	$ 2.21	$ (1.48)	-40.00%
		Aerial	Distribution	-	$ 2.09	$ 2.09		
		Aerial	Distribution	5	$ 2.09	$ 2.09		
		Aerial	Distribution	100	$ 2.71	$ 2.71		
		Aerial	Distribution	200	$ 2.71	$ 2.71		
		Aerial	Distribution	650	$ 3.10	$ 3.10		
		Aerial	Distribution	850	$ 3.10	$ 3.10		
		Aerial	Distribution	2,550	$ 3.61	$ 3.61		
		Aerial	Distribution	5,000	$ 3.69	$ 3.69		
		Aerial	Distribution	10,000	$ 3.69	$ 3.69		

INPUT COMPARISON

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Manhole Costs	Normal	2	$ 1,436.50	$ 1,436.50	
		Normal	4	$ 4,472.47	$ 4,472.47	
		Normal	9	$ 5,176.00	$ 5,176.00	
		Normal	99	$ 3,070.00	$ 3,070.00	
		SoftRock	2	$ 1,511.50	$ 1,511.50	
		SoftRock	4	$ 4,652.47	$ 4,652.47	
		SoftRock	9	$ 5,336.00	$ 5,336.00	
		SoftRock	99	$ 3,150.00	$ 3,150.00	
		HardRock	2	$ 1,586.50	$ 1,586.50	
		HardRock	4	$ 4,832.47	$ 4,832.47	
		HardRock	9	$ 5,496.00	$ 5,496.00	
		HardRock	99	$ 3,230.00	$ 3,230.00	

Source		Density	Default	Direct	Number	Percent
MHSPACE	Manhole Spacing	-	725	725		
		5	725	725		
		100	725	725		
		200	725	725		
		650	575	575		
		850	575	575		
		2,550	575	575		
		5,000	400	400		
		10,000	400	400		

Source		Struct Type	Density	Default	Direct	Number	Percent
SHARING	Sharing	Underground	-	100.00%	100.00%		
		Underground	5	100.00%	50.00%		-50.00%
		Underground	100	85.00%	50.00%		-35.00%
		Underground	200	65.00%	50.00%		-15.00%
		Underground	650	65.00%	50.00%		-15.00%
		Underground	850	65.00%	50.00%		-15.00%
		Underground	2,550	55.00%	50.00%		-5.00%
		Underground	5,000	55.00%	50.00%		-5.00%
		Underground	10,000	55.00%	50.00%		-5.00%
		Buried	-	100.00%	33.00%		-67.00%
		Buried	5	100.00%	33.00%		-67.00%
		Buried	100	85.00%	33.00%		-52.00%
		Buried	200	65.00%	33.00%		-32.00%
		Buried	650	65.00%	33.00%		-32.00%
		Buried	850	65.00%	33.00%		-32.00%
		Buried	2,550	55.00%	33.00%		-22.00%
		Buried	5,000	55.00%	33.00%		-22.00%
		Buried	10,000	55.00%	33.00%		-22.00%
		Aerial	-	50.00%	50.00%		
		Aerial	5	50.00%	33.00%		-17.00%
		Aerial	100	50.00%	25.00%		-25.00%
		Aerial	200	50.00%	25.00%		-25.00%
		Aerial	650	50.00%	25.00%		-25.00%
		Aerial	850	50.00%	25.00%		-25.00%
		Aerial	2,550	35.00%	25.00%		-10.00%
		Aerial	5,000	35.00%	25.00%		-10.00%
		Aerial	10,000	35.00%	25.00%		-10.00%

INPUT COMPARISON

Source	Variable	Values: Default	Values: Direct	Difference from Default: Number	Difference from Default: Percent
ANNCHG Annual Charge Factors	ac_ugd_cop	0.16676	0.16676		
	ac_bur_cop	0.19285	0.19285		
	ac_aer_cop	0.22435	0.22435		
	ac_ugd_fib	0.15083	0.15083		
	ac_bur_fib	0.14655	0.14655		
	ac_aer_fib	0.15082	0.15082		
	ac_ugd_struc	0.13374	0.13374		
	ac_bur_struc	0.16970	0.16970		
	ac_aer_struc	0.18292	0.18292		
	ac_manhole	0.13374	0.13374		
	ac_t1_term	0.19118	0.19118		
	ac_fib_term	0.19118	0.19118		
	ac_fdi	0.18937	0.18937		
	ac_fib_splice	0.14213	0.14213		

Source	Variable	Default	Direct	Number	Percent
FDCOST	cost_per_drop_kf	$ 560.00	$ 560.00		
	nid_cost	$ 39.50	$ 39.50		
	duct_cost_per_kf	$ 720.00	$ 720.00		
	a2016	$ 152,617.43	$ 107,000.00	$ (45,617.43)	-29.89%
	b2016	$ 74.98	$ 77.50	$ 2.52	3.36%
	a1344	$ 107,224.92	$ 88,500.00	$ (18,724.92)	-17.46%
	b1344	$ 74.98	$ 77.50	$ 2.52	3.36%
	a672	$ 97,443.38	$ 70,000.00	$ (27,443.38)	-28.16%
	b672	$ 74.98	$ 77.50	$ 2.52	3.36%
	a96	$ 23,848.20	$ 18,300.00	$ (5,548.20)	-23.26%
	b96	$ 87.30	$ 100.00	$ 12.70	14.55%
	a24	$ 19,881.39	$ 18,300.00	$ (1,581.39)	-7.95%
	b24	$ 87.30	$ 100.00	$ 12.70	14.55%
	ac96	$ 23,848.20	$ 18,300.00	$ (5,548.20)	-23.26%
	bc96	$ 87.30	$ 100.00	$ 12.70	14.55%
	ac24	$ 19,881.39	$ 18,300.00	$ (1,581.39)	-7.95%
	bc24	$ 87.30	$ 100.00	$ 12.70	14.55%
	site_prep_cost	$ 11,000.00	$ -	$ (11,000.00)	-100.00%
	fiber_splice_cost	$ -	$ -		

INPUT COMPARISON

wire_center_inputs	Set 1 of 4	Constant EO Switching Investment Term, small ICO	$ 416.11	$ 416.11		
		Constant EO Switching Investment Term, BOC and large ICO	$ 242.73	$ 242.73		
		Switch Capacity Real-Time (BHCA) - 1	10,000	10,000		
		Switch Capacity Real-Time (BHCA) - 2	50,000	50,000		
		Switch Capacity Real-Time (BHCA) - 3	200,000	200,000		
		Switch Capacity Real-Time (BHCA) - 4	600,000	600,000		
		Switch Capacity Traffic (BHCCS) - 1	30,000	30,000		
		Switch Capacity Traffic (BHCCS) - 2	150,000	150,000		
		Switch Capacity Traffic (BHCCS) - 3	600,000	600,000		
		Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000		
		Initial Switch Maximum Equipped Line Size	80,000	80,000		
		Switch Port Administrative Fill	0.94	94.00%		
		Switch Maximim Processor Occupancy	0.90	90.00%		
		Processor Feature Loading Multiplier - normal	1.20	1.20		
		Processor Feature Loading Multiplier - heavy business	2.00	2.00		
		Processor Feature Loading Multiplier - business penet threshold	0.30	0.30		
		MDF/Protector Investment per line	$ -	$ -		
		Analog Line Circuit Offset for DLC lines, per line	$ -	$ -		
		Switch Installation Multiplier	1.00	1.00		
		Operator Traffic Fraction	0.02	0.02		
		Total Interoffice Traffic Fraction	0.65	0.65		
		Maximum Trunk Occupancy, CCS	27.50	27.50		
		Trunk Port, per end	$ 100.00	$ 100.00		
		Entrance Facility Distance, miles	0.50	0.50		
		Direct-routed Fraction of Local Interoffice	0.98	0.98		
		POPs per Tandem Location	5.00	5.00		
		Tandem-routed Fraction of Total IntraLATA Traffic	0.20	0.20		
		Tandem-routed Fraction of Total InterLATA Traffic	0.20	0.20		
		Local Call Attempts	N/A	N/A		
		Call Completion Factor	70.00%	70.00%		
		IntraLATA Calls Completed	N/A	N/A		
		InterLATA intrastate Calls Completed	N/A	N/A		
		InterLATA interstate Calls Completed	N/A	N/A		
		Local DEMs, thousands	N/A	N/A		
		Intrastate DEMs, thousands	N/A	N/A		
		Interstate DEMs, thousands	N/A	N/A		
		Local Business/Residence DEMs	1.10	1.10		
		Intrastate Business/Residence DEMs	2.00	2.00		
		Interstate Business/Residence DEMs	3.00	3.00		
		BH Fraction of Daily Usage	0.10	0.10		
		Annual to Daily Usage Reduction Factor	270.00	270.00		
		Residential Holding Time Multiplier	1.00	1.00		
		Business Holding Time Multiplier	1.00	1.00		
		Residential Call Attempts per BH	1.30	1.30		
		Business Call Attempts per BH	3.50	3.50		
		ICO STP Investment, per line (equipment)	$ 5.50	$ 5.50		
		ICO Local Tandem Investment, per line	$ 1.90	$ 1.90		
		ICO OS Tandem Investment, per line	$ 0.80	$ 0.80		
		ICO SCP Investment per line (equipment)	$ 2.50	$ 2.50		
		ICO SCP - STP per line (wirecenter)	$ 0.40	$ 0.40		
		ICO Local Tandem Investment, per line (wirecenter)	$ 2.50	$ 2.50		
		ICO OS Tandem Investment, per line (wirecenter)	$ 1.00	$ 1.00		
		ICO Tandem A Links and C Links per line (wirecenter)	$ 0.30	$ 0.30		

INPUT COMPARISON

wire_center_inputs

Set 2 of 4

Real-time Limit, BHCA	750,000	750,000	
Port Limit, trunks	100,000	100,000	
Common Equipment Investment	$ 1,000,000.00	$ 1,000,000.00	
Maximum Port Fill	90.00%	90.00%	
Maximum Real-time Occupancy	90.00%	90.00%	
Common Equipment Intercept Factor	50.00%	50.00%	
STP Link Capacity	720.00	720.00	
STP Maximum Link Fill	80.00%	80.00%	
Maximum STP Investment, per pair	$ 5,000,000.00	$ 5,000,000.00	
Minimum STP Investment, per pair	$ 1,000,000.00	$ 1,000,000.00	
Link Termination, both ends	$ 900.00	$ 900.00	
Signaling Link Bit Rate	56,000	56,000	
Link Occupancy	0.40	0.40	
C Link Cross Section	24.00	24.00	
ISUP Messages per Interoffice BHCA	6.00	6.00	
ISUP Message Length, bytes	25.00	25.00	
TCAP Messages per transaction	2.00	2.00	
TCAP Message length, bytes	100.00	100.00	
Fraction of BHCA requiring TCAP	0.10	0.10	
SCP Investment/Transaction/Second	$ 20,000.00	$ 20,000.00	
Operator Investment per position	$ 6,400.00	$ 6,400.00	
Operator Maximum Utilization, per position, CCS	32.00	32.00	
Operator Intervention Factor	10.00	10.00	
Public Telephone Investment, per station	$ 760.00	$ 760.00	
Lot Size, Multiplier of Switch Room Size	2.00	2.00	
Tandem/EO Wire Center Common Factor	0.40	0.40	
Power Investment 1	$ -	$ -	
Power Investment 2	$ -	$ -	
Power Investment 3	$ -	$ -	
Power Investment 4	$ -	$ -	
Power Investment 5	$ -	$ -	
Switch Room Size, sq ft 1	500	500	
Switch Room Size, sq ft 2	1,000	1,000	
Switch Room Size, sq ft 3	2,500	2,500	
Switch Room Size, sq ft 4	5,500	5,500	
Switch Room Size, sq ft 5	11,000	11,000	
Construction Investment, sq ft 1	$ 75.00	$ 75.00	
Construction Investment, sq ft 2	$ 85.00	$ 85.00	
Construction Investment, sq ft 3	$ 100.00	$ 100.00	
Construction Investment, sq ft 4	$ 125.00	$ 125.00	
Construction Investment, sq ft 5	$ 150.00	$ 150.00	
Land Investment, sq ft 1	$ 5.00	$ 5.00	
Land Investment, sq ft 2	$ 8.00	$ 8.00	
Land Investment, sq ft 3	$ 10.00	$ 10.00	
Land Investment, sq ft 4	$ 15.00	$ 15.00	
Land Investment, sq ft 5	$ 20.00	$ 20.00	

INPUT COMPARISON

Worksheet	Set	Variable	Default	Direct	Difference from Default	
			Values			
			Default	Direct	Number	Percent
wire_center_inputs	Set 3 of 4	OC-48 ADM, installed, 48 DS-3s	$ 50,000.00	$ 50,000.00		
		OC-48 ADM, installed, 12 DS-3s	$ 40,000.00	$ 40,000.00		
		OC-3/DS-1 Terminal Multiplexer, installed, 84 DS-1s	$ 26,000.00	$ 26,000.00		
		Investment per 7 DS-1s	$ 500.00	$ 500.00		
		Number of Fibers	24.00	24.00		
		Pigtrails, per strand	$ 60.00	$ 60.00		
		Optical Distribution Panel	$ 1,000.00	$ 1,000.00		
		EF&I, per hour	$ 55.00	$ 55.00		
		EF&I hours	32.00	32.00		
		Regional Labor Adjustment Factor (see Labor Inputs)	1.00	1.00		
		Channel Bank Investment, per 24 lines	$ 5,000.00	$ 5,000.00		
		Fraction of SA Lines Requiring Multiplexing	0.00%	0.00%		
		Regenerator, installed	$ 15,000.00	$ 15,000.00		
		Regenerator spacing, miles	40.00	40.00		
		DCS installed, per DS-3	$ 30,000.00	$ 30,000.00		
		Transmission Terminal Fill (DS-0 level)	90.00%	90.00%		
		Fiber Investment, fiber cable	**$ 3.50**	$ 1.80	**$ (1.70)**	**-48.57%**
		Fiber, number of strands per ADM	4.00	4.00		
		Fiber Investment, buried fraction	60.00%	60.00%		
		Fiber Investment, buried placement	$ 1.77	$ 1.77		
		Fiber Investment, buried sheath addition	**$ 0.20**	$ -	**$ (0.20)**	**-100.00%**
		Fiber Investment, conduit	**$ 0.60**	$ 0.72	**$ 0.12**	**20.00%**
		Fiber, spare tubes per route	1.00	1.00		
		Fiber Investment, conduit placement	$ 16.40	$ 16.40		
		Fiber, pullbox spacing	2,000.00	2,000.00		
		Fiber Investment, pullbox investsment	$ 500.00	$ 500.00		
		Fiber, aerial fraction	20.00%	20.00%		
		Fiber, pole spacing, feet	150.00	150.00		
		Fiber Investment, pole material	$ 201.00	$ 201.00		
		Fiber Investment, pole labor (basic)	$ 216.00	$ 216.00		
		Fraction Poles & Buried/UG Placement Common with Feeder	75.00%	75.00%		
		Fraction of Aerial Structure Assigned to Telephone	50.00%	50.00%		
		Fraction of Buried Structure Assigned to Telephone	78.00%	78.00%		
		Fraction of Underground Structure Assigned to Telephone	73.00%	73.00%		
		Multiplicative EO Switching Investment Term	(14.92)	(14.92)		
		Threshold value for off-ring wire centers, total lines	1.00	1.00		
		Remote-host fraction of interoffice traffic -- remote	10.00%	10.00%		
		Host-remote fraction of interoffice traffice -- host	5.00%	5.00%		
		Maximum nodes per ring	16.00	16.00		

INPUT COMPARISON

[illegible]	[illegible]	Default	Proposed	Number	Percent
wire_center_inputs	Set 4 of 4				
	Use host - remote assignments	TRUE	TRUE		
	Ring transiting traffic factor	40.00%	40.00%		
	Intertandem fraction of tandem trunks (additive)	10.00%	10.00%		
	Equivalent facility investment, per DS-0	$ 138.08	$ 138.08		
	Equivalent terminal investment, per DS-0	$ 111.62	$ 111.62		
	Switch line size - 1	-	-		
	Switch line size - 2	640	640		
	Switch line size - 3	5,000	5,000		
	Switch line size - 4	10,000	10,000		
	BOC standalone fixed inv - 1	$ 486,700.00	$ 486,700.00		
	BOC standalone fixed inv - 2	$ 486,700.00	$ 486,700.00		
	BOC standalone fixed inv - 3	$ 486,700.00	$ 486,700.00		
	BOC standalone fixed inv - 4	$ 486,700.00	$ 486,700.00		
	BOC host fixed inv - 1	$ 486,700.00	$ 486,700.00		
	BOC host fixed inv - 2	$ 486,700.00	$ 486,700.00		
	BOC host fixed inv - 3	$ 486,700.00	$ 486,700.00		
	BOC host fixed inv - 4	$ 486,700.00	$ 486,700.00		
	BOC remote fixed inv - 1	$ 161,800.00	$ 161,800.00		
	BOC remote fixed inv - 2	$ 161,800.00	$ 161,800.00		
	BOC remote fixed inv - 3	$ 161,800.00	$ 161,800.00		
	BOC remote fixed inv - 4	$ 161,800.00	$ 161,800.00		
	BOC standalone per line inv - 1	$ 87.00	$ 87.00		
	BOC standalone per line inv - 2	$ 87.00	$ 87.00		
	BOC standalone per line inv - 3	$ 87.00	$ 87.00		
	BOC standalone per line inv - 4	$ 87.00	$ 87.00		
	BOC host per line inv - 1	$ 87.00	$ 87.00		
	BOC host per line inv - 2	$ 87.00	$ 87.00		
	BOC host per line inv - 3	$ 87.00	$ 87.00		
	BOC host per line inv - 4	$ 87.00	$ 87.00		
	BOC remote per line inv - 1	$ 87.00	$ 87.00		
	BOC remote per line inv - 2	$ 87.00	$ 87.00		
	BOC remote per line inv - 3	$ 87.00	$ 87.00		
	BOC remote per line inv - 4	$ 87.00	$ 87.00		
	ICO standalone fixed inv - 1	$ 486,700.00	$ 486,700.00		
	ICO standalone fixed inv - 2	$ 486,700.00	$ 486,700.00		
	ICO standalone fixed inv - 3	$ 486,700.00	$ 486,700.00		
	ICO standalone fixed inv - 4	$ 486,700.00	$ 486,700.00		
	ICO host fixed inv - 1	$ 486,700.00	$ 486,700.00		
	ICO host fixed inv - 2	$ 486,700.00	$ 486,700.00		
	ICO host fixed inv - 3	$ 486,700.00	$ 486,700.00		
	ICO host fixed inv - 4	$ 486,700.00	$ 486,700.00		
	ICO remote fixed inv - 1	$ 161,800.00	$ 161,800.00		
	ICO remote fixed inv - 2	$ 161,800.00	$ 161,800.00		
	ICO remote fixed inv - 3	$ 161,800.00	$ 161,800.00		
	ICO remote fixed inv - 4	$ 161,800.00	$ 161,800.00		
	ICO standalone per line inv - 1	$ 87.00	$ 87.00		
	ICO standalone per line inv - 2	$ 87.00	$ 87.00		
	ICO standalone per line inv - 3	$ 87.00	$ 87.00		
	ICO standalone per line inv - 4	$ 87.00	$ 87.00		
	ICO host per line inv - 1	$ 87.00	$ 87.00		
	ICO host per line inv - 2	$ 87.00	$ 87.00		
	ICO host per line inv - 3	$ 87.00	$ 87.00		
	ICO host per line inv - 4	$ 87.00	$ 87.00		
	ICO remote per line inv - 1	$ 87.00	$ 87.00		
	ICO remote per line inv - 2	$ 87.00	$ 87.00		
	ICO remote per line inv - 3	$ 87.00	$ 87.00		
	ICO remote per line inv - 4	$ 87.00	$ 87.00		

INPUT COMPARISON

Expense Inputs	Set 1 of 3				
		Cost of Debt	8.80%	7.86%	-0.94%
		Debt Fraction	44.20%	34.50%	-9.70%
		Cost of Equity	13.19%	10.42%	-2.77%
		Average Trunk Utilization	30.00%	30.00%	
		Tax Rate	39.25%	39.25%	
		Corporate Overhead Factor	0.00%	8.00%	8.00%
		Other Taxes Factor	5.00%	5.00%	
		Billing/Bill Inquiry per line per month	$ -	$ -	
		Directory Listing per line per month	$ -	$ -	
		Forward-looking Network Operations Factor	50.00%	50.00%	
		Alternative CO Switching Factor	2.69%	2.69%	
		Alternative Circuit Equipment Factor	1.53%	1.53%	
		EO Traffic Sensitive Fraction	70.00%	70.00%	
		Monthly LNP cost, per line	$ -	$ -	
		Carrier to Carrier Customer Service, per line per year	$ 1.69	$ 1.69	
		NID Expense per line per year	$ 1.00	$ 1.00	
		DS-0/DS-1 Terminal Factor	12.40	12.40	
		DS-1/DS-3 Terminal Factor	9.90	9.90	
		Average Lines per Business Location	4.00	4.00	
		Distribution Aerial Shring Fraction - 0	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 5	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 100	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 200	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 650	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 850	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 2550	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 5000	100.00%	100.00%	
		Distribution Aerial Shring Fraction - 10000	100.00%	100.00%	
		Distribution Buried Shring Fraction - 0	100.00%	100.00%	
		Distribution Buried Shring Fraction - 5	100.00%	100.00%	
		Distribution Buried Shring Fraction - 100	100.00%	100.00%	
		Distribution Buried Shring Fraction - 200	100.00%	100.00%	
		Distribution Buried Shring Fraction - 650	100.00%	100.00%	
		Distribution Buried Shring Fraction - 850	100.00%	100.00%	
		Distribution Buried Shring Fraction - 2550	100.00%	100.00%	
		Distribution Buried Shring Fraction - 5000	100.00%	100.00%	
		Distribution Buried Shring Fraction - 10000	100.00%	100.00%	
		Distribution Underground Shring Fraction - 0	100.00%	100.00%	
		Distribution Underground Shring Fraction - 5	100.00%	100.00%	
		Distribution Underground Shring Fraction - 100	100.00%	100.00%	
		Distribution Underground Shring Fraction - 200	100.00%	100.00%	
		Distribution Underground Shring Fraction - 650	100.00%	100.00%	
		Distribution Underground Shring Fraction - 850	100.00%	100.00%	
		Distribution Underground Shring Fraction - 2550	100.00%	100.00%	
		Distribution Underground Shring Fraction - 5000	100.00%	100.00%	
		Distribution Underground Shring Fraction - 10000	100.00%	100.00%	

INPUT COMPARISON

Expense Inputs	Set 2 of 3	Feeder Aerial Shring Fraction - 0	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 5	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 100	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 200	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 650	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 850	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 2550	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 5000	100.00%	100.00%		
		Feeder Aerial Shring Fraction - 10000	100.00%	100.00%		
		Feeder Underground Shring Fraction - 0	100.00%	100.00%		
		Feeder Underground Shring Fraction - 5	100.00%	100.00%		
		Feeder Underground Shring Fraction - 100	100.00%	100.00%		
		Feeder Underground Shring Fraction - 200	100.00%	100.00%		
		Feeder Underground Shring Fraction - 650	100.00%	100.00%		
		Feeder Underground Shring Fraction - 850	100.00%	100.00%		
		Feeder Underground Shring Fraction - 2550	100.00%	100.00%		
		Feeder Underground Shring Fraction - 5000	100.00%	100.00%		
		Feeder Underground Shring Fraction - 10000	100.00%	100.00%		
		Feeder Buried Shring Fraction - 0	100.00%	100.00%		
		Feeder Buried Shring Fraction - 5	100.00%	100.00%		
		Feeder Buried Shring Fraction - 100	100.00%	100.00%		
		Feeder Buried Shring Fraction - 200	100.00%	100.00%		
		Feeder Buried Shring Fraction - 650	100.00%	100.00%		
		Feeder Buried Shring Fraction - 850	100.00%	100.00%		
		Feeder Buried Shring Fraction - 2550	100.00%	100.00%		
		Feeder Buried Shring Fraction - 5000	100.00%	100.00%		
		Feeder Buried Shring Fraction - 10000	100.00%	100.00%		
		Motor Vehicles - Economic Life	8.24	7.50	(0.74)	-8.98%
		Garage Work Equipment - Economic Life	12.22	18.50	6.28	51.39%
		Other Work Equipment - Economic Life	13.04	12.00	(1.04)	-7.98%
		Buildings - Economic Life	46.93	60.00	13.07	27.85%
		Furniture - Economic Life	15.92	15.00	(0.92)	-5.78%
		Office Support Equipment - Economic Life	10.78	10.00	(0.78)	-7.24%
		Company Comm. Equipment - Economic Life	7.40	11.40	4.00	54.05%
		General Purpose Computer - Economic Life	6.12	7.00	0.88	14.38%
		Digital Electronic Switching - Economic Life	16.17	17.50	1.33	8.23%
		Operator Systems - Economic Life	9.41	15.00	5.59	59.40%
		Digital Circuit Equipment - Economic Life	10.24	11.50	1.26	12.30%
		Public Telephone Terminal Equipment - Economic Life	7.60	11.80	4.20	55.26%
		Poles - Economic Life	30.25	30.00	(0.25)	-0.83%
		Aerial Cable - metallic - Economic Life	20.61	23.00	2.39	11.60%
		Aerial Cable - non metallic - Economic Life	26.14	25.00	(1.14)	-4.36%
		Underground Cable - metallic - Economic Life	25.00	25.00		
		Underground Cable - non metallic - Economic Life	26.45	25.00	(1.45)	-5.48%
		Buried - metallic - Economic Life	21.57	21.00	(0.57)	-2.64%
		Buried - non metallic - Economic Life	25.91	25.00	(0.91)	-3.51%
		Intrabuilding Cable - metallic - Economic Life	18.18	24.00	5.82	32.01%
		Intrabuilding Cable - non metallic - Economic Life	26.11	30.00	3.89	14.90%
		Conduit Systems - Economic Life	56.19	50.00	(6.19)	-11.02%

INPUT COMPARISON

Motor Vehicles - Net Salvage %	10.38%	10.00%		-0.38%
Garage Work Equipment - Net Salvage %	-5.58%	1.00%		6.58%
Other Work Equipment - Net Salvage %	1.69%	0.00%		-1.69%
Buildings - Net Salvage %	1.64%	4.00%		2.36%
Furniture - Net Salvage %	4.02%	0.00%		-4.02%
Office Support Equipment - Net Salvage %	4.12%	12.00%		7.88%
Company Comm. Equipment - Net Salvage %	2.52%	8.00%		5.48%
General Purpose Computer - Net Salvage %	2.29%	7.00%		4.71%
Digital Electronic Switching - Net Salvage %	1.57%	1.00%		-0.57%
Operator Systems - Net Salvage %	-0.41%	0.00%		0.41%
Digital Circuit Equipment - Net Salvage %	-0.62%	0.00%		0.62%
Public Telephone Terminal Equipment - Net Salvage %	5.12%	10.00%		4.88%
Poles - Net Salvage %	-89.98%	-43.00%		46.98%
Aerial Cable - metallic - Net Salvage %	-23.03%	-17.00%		6.03%
Aerial Cable - non metallic - Net Salvage %	-17.53%	-25.00%		-7.47%
Underground Cable - metallic - Net Salvage %	-17.97%	2.00%		19.97%
Underground Cable - non metallic - Net Salvage %	-14.58%	-20.00%		-5.42%
Buried - metallic - Net Salvage %	-8.39%	-4.00%		4.39%
Buried - non metallic - Net Salvage %	-6.91%	-10.00%		-3.09%
Intrabuilding Cable - metallic - Net Salvage %	-15.69%	-20.00%		-4.31%
Intrabuilding Cable - non metallic - Net Salvage %	-10.43%	-7.00%		3.43%
Conduit Systems - Net Salvage %	-9.95%	-10.00%		-0.05%
Furniture - Capital Costs - % assigned per line	100.00%	100.00%		
Furniture - Expenses - % assigned per line	100.00%	100.00%		
Office Equipment - Capital Costs - % assigned per line	100.00%	100.00%		
Office Equipment - Expenses - % assigned per line	100.00%	100.00%		
General Purpose Computer - Capital Costs - % assigned per line	100.00%	100.00%		
General Purpose Computer - Expenses - % assigned per line	100.00%	100.00%		
Motor Vehicles - Capital Costs - % assigned per line	100.00%	100.00%		
Motor Vehicles - Expenses - % assigned per line	100.00%	100.00%		
Buildings - Capital Costs - % assigned per line	100.00%	100.00%		
Buildings - Expenses - % assigned per line	100.00%	100.00%		
Garage Work Eqpt. - Capital Costs - % assigned per line	100.00%	100.00%		
Garage Work Eqpt. - Expenses - % assigned per line	100.00%	100.00%		
Other Work Eqpt. - Capital Costs - % assigned per line	100.00%	100.00%		
Other Work Eqpt. - Expenses - % assigned per line	100.00%	100.00%		
Network Operations - % assigned per line	100.00%	100.00%		
Other Taxes - % assigned per line	100.00%	100.00%		
Variable Overhead - % assigned per line	100.00%	100.00%		

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COST OF NETWORK ELEMENTS

Virginia

C And P Tel Co Of Va

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	$ 8,646	$ 1,796,246	$ 585,092	$ 1,789,945	$ 828,187	$ 6,806,704	$ 4,748,564	$ 1,952,591	$ 1,859,939	$ 20,375,914
Unit Cost/month	0.56	0.47	0.33	0.32	0.32	0.32	0.27	0.20	0.11	0.25
Loop Distribution (DLC)										
Annual Cost	$ 970,554	$ 56,570,196	$ 9,139,923	$ 18,901,499	$ 5,879,342	$ 29,622,751	$ 14,056,666	$ 4,416,873	$ 6,239,398	$ 145,797,201
Unit Cost/month	62.31	15.62	5.87	4.00	3.43	3.07	2.76	2.42	2.14	4.68
Loop Distribution (non-DLC)										
Annual Cost	$ -	$ 2,885,902	$ 1,316,887	$ 3,826,631	$ 2,811,747	$ 30,100,002	$ 25,242,453	$ 10,260,828	$ 9,166,664	$ 85,611,113
Unit Cost/month	-	13.65	6.12	4.12	3.25	2.55	2.03	1.28	0.63	1.75
Loop Distribution (all)										
Annual Cost	$ 970,554	$ 59,456,098	$ 10,456,809	$ 22,728,130	$ 8,691,089	$ 59,722,752	$ 39,299,119	$ 14,677,700	$ 15,406,062	$ 231,408,314
Unit Cost/month	62.31	15.51	5.90	4.02	3.37	2.78	2.24	1.49	0.89	2.89
Loop Concentration (DLC)										
Annual Cost	$ 172,454	$ 18,931,040	$ 5,262,850	$ 15,397,690	$ 5,760,245	$ 34,567,605	$ 20,497,538	$ 8,660,316	$ 15,104,882	$ 124,354,620
Unit Cost/month	11.07	5.23	3.38	3.26	3.36	3.58	4.02	4.74	5.18	4.00
Loop Concentration (non-DLC)										
Annual Cost	$ -	$ 112,149	$ 44,557	$ 168,910	$ 123,025	$ 1,549,014	$ 1,605,461	$ 1,070,298	$ 2,043,333	$ 6,716,748
Unit Cost/month	-	0.53	0.21	0.18	0.14	0.13	0.13	0.13	0.14	0.14
Loop Concentration (all)										
Annual Cost	$ 172,454	$ 19,043,189	$ 5,307,408	$ 15,566,600	$ 5,883,270	$ 36,116,619	$ 22,102,998	$ 9,730,614	$ 17,148,216	$ 131,071,368
Unit Cost/month	11.07	4.97	3.00	2.76	2.28	1.68	1.26	0.99	0.99	1.64
Loop Feeder (DLC)										
Annual Cost	$ 107,206	$ 6,847,136	$ 1,735,192	$ 4,857,744	$ 1,885,979	$ 13,356,030	$ 8,126,749	$ 3,451,360	$ 5,210,962	$ 45,578,358
Unit Cost/month	6.88	1.89	1.11	1.03	1.10	1.38	1.59	1.89	1.79	1.46
Loop Feeder (non-DLC)										
Annual Cost	$ -	$ 458,555	$ 212,172	$ 834,431	$ 535,154	$ 9,700,722	$ 11,479,421	$ 8,032,264	$ 14,180,493	$ 45,433,212
Unit Cost/month	-	2.17	0.99	0.90	0.62	0.82	0.92	1.00	0.98	0.93
Loop Feeder (all)										
Annual Cost	$ 107,206	$ 7,305,691	$ 1,947,364	$ 5,692,175	$ 2,421,133	$ 23,056,751	$ 19,606,171	$ 11,483,624	$ 19,391,454	$ 91,011,570
Unit Cost/month	6.88	1.91	1.10	1.01	0.94	1.07	1.12	1.17	1.12	1.14
Total Loop (DLC)										
Annual Cost	$ 1,258,860	$ 84,045,511	$ 16,652,005	$ 40,652,526	$ 14,076,365	$ 80,607,090	$ 44,060,031	$ 16,891,712	$ 26,867,127	$ 325,111,228
Unit Cost/month	80.82	23.21	10.70	8.61	8.20	8.35	8.64	9.25	9.21	10.44
Total Loop (non-DLC)										
Annual Cost	$ -	$ 3,555,714	$ 1,644,668	$ 5,124,324	$ 3,747,313	$ 45,095,736	$ 41,696,821	$ 20,952,817	$ 26,938,543	$ 148,755,937
Unit Cost/month	-	16.81	7.64	5.51	4.33	3.82	3.35	2.62	1.86	3.04
Total Loop (all)										
Annual Cost	$ 1,258,860	$ 87,601,224	$ 18,296,673	$ 45,776,850	$ 17,823,679	$ 125,702,827	$ 85,756,852	$ 37,844,529	$ 53,805,671	$ 473,867,165
Unit Cost/month	80.82	22.85	10.33	8.10	6.91	5.85	4.88	3.85	3.09	5.92
Total lines	1,298	319,419	147,658	470,854	215,085	1,789,148	1,462,933	818,407	1,448,945	6,673,747
Total lines served by DLC	1,298	301,795	129,727	393,423	143,046	804,509	424,865	152,216	242,968	2,593,847

COST OF NETWORK ELEMENTS

Virginia

C And P Tel Co Of Va

		Annual Cost	Units			Unit Cost	
End office switching	$	136,844,146					
Line Port		[redacted]	4,002,852	switched lines	$	0.83	per line/month
Non-Line Port		97,126,834	97,612,504,662	actual minutes	$	0.00100	per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	$	8,723,112					
Links		112,088	969	links	$	9.64	per link per month
STP		5,690,326	62,256,398,265	TCAP+ISUP msgs	$	0.00009	per signaling message
SCP		2,920,698	3,006,739,400	TCAP queries	$	0.00097	per query
Transport network elements							
Dedicated							
Sw+Sp Transport	$	16,989,790	2,980,933	trunks	$	0.47	per DS-0 equivalent per month
Switched		1,767,058	310,038	trunks	$	0.00005	per minute
Special		15,222,732	2,670,895	trunks			
Transmission Terminal		60,601,000	2,980,933	trunks	$	1.69	per DS-0 equivalent per month
					$	0.00017	per minute
					$	0.00022	total per minute
Common							
Transport	$	1,257,937	5,541,442,771	minutes	$	0.00021	per minute per leg (orig or term)
Transmission Terminal		993,561	5,541,442,771	minutes	$	0.00016	per minute
					$	0.00037	total per minute
Direct							
Transport	$	4,047,605	25,882,223,431	minutes	$	0.00016	per minute
Transmission Terminal		4,145,155	25,882,223,431	minutes	$	0.00016	per minute
					$	0.00032	total per minute
Tandem switch	$	3,212,920	4,975,272,622	minutes	$	0.00065	per minute
Operator systems	$	5,261,915					
Public Telephones	$	-					
Total (w/ Public)	$	715,944,307					
Total cost of switched network elements (w/o Public)	$	9.51	per line/month				

UNE Costs and Deaveraged Loop Cost by Density Zone for Verizon-VA

		Overall Average	Lines per Square Mile 0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000
Loop											
Two-Wire Loop											
NID	$ / Month / Line	$ 0.25	$ 0.56	$ 0.47	$ 0.33	$ 0.32	$ 0.32	$ 0.32	$ 0.27	$ 0.20	$ 0.11
Loop Distribution	$ / Month / Line	$ 2.89	$ 62.31	$ 15.51	$ 5.90	$ 4.02	$ 3.37	$ 2.78	$ 2.24	$ 1.49	$ 0.89
Loop Concentration	$ / Month / Line	$ 1.64	$ 11.07	$ 4.97	$ 3.00	$ 2.76	$ 2.28	$ 1.68	$ 1.26	$ 0.99	$ 0.99
Loop Feeder	$ / Month / Line	$ 1.14	$ 6.88	$ 1.91	$ 1.10	$ 1.01	$ 0.94	$ 1.07	$ 1.12	$ 1.17	$ 1.12
Total Two-Wire Loop	$ / Month / Line	$ 5.92	$ 80.82	$ 22.85	$ 10.33	$ 8.10	$ 6.91	$ 5.85	$ 4.88	$ 3.85	$ 3.09
Four-Wire Loop	$ / Month / Line	$ 10.06									
DS1	$ / Month / Line	$ 25.44									
DS3	$ / Month / Line	$ 244.37									
Switching											
Non-Usage Related	$ / Month / Line	$ 0.83									
Usage Related											
Per DEM	$ / DEM	$ 0.00082									
Per Minute	$ / Minute	$ 0.00100									
Combined Flat Switch	$ / Month / Line	$ 2.85									
Signaling network elements											
Links	$ / Month / Link	$ 9.64									
STP	$ / Signaling Message	$ 0.00009									
SCP	$ / Query	$ 0.00097									
Transport network elements											
Dedicated	$ / Minute	$ 0.00022									
Common	$ / Minute	$ 0.00037									
Direct	$ / Minute	$ 0.00032									
Tandem Switch	$ / Minute	$ 0.00065									
Operator systems	$ / Month / Line	$ 0.07									

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ALL STATE LEGAL 800-222-0510 FIDELITY RECYCLED

Four-Wire Loop Multiplier Development

Lines	4,079,900	2,593,847	6,673,747

Two-Wire

Element	Copper	DLC	Average
NID	$ 0.25	$ 0.25	$ 0.25
Distribution	$ 1.75	$ 4.68	$ 2.89
Concentration	$ 0.14	$ 4.00	$ 1.64
Feeder	$ 0.93	$ 1.46	$ 1.14
Total	**$ 3.07**	**$ 10.40**	**$ 5.92**

Four-Wire

Element	Copper	DLC	Average
NID	$ 0.28	$ 0.28	$ 0.28
Distribution	$ 3.50	$ 9.37	$ 5.78
Concentration	$ 0.19	$ 5.59	$ 2.29
Feeder	$ 1.86	$ 1.46	$ 1.70
Total	**$ 5.83**	**$ 16.71**	**$ 10.05**

Ratio of Four-Wire Loop to Two-Wire Loop **1.70**