



Christine O. Gregoire

# ATTORNEY GENERAL OF WASHINGTON

Utilities and Transportation Division

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June 1, 2004

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GENERAL COUNSEL  
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UTILITY DIVISION

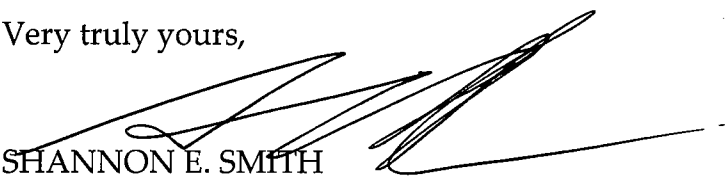
Carole J. Washburn, Secretary  
Washington Utilities and Transportation Commission  
1300 S. Evergreen Park Dr. SW  
P. O. Box 47250  
Olympia, Washington 98504-7250

Re: *In the Matter of the Review of Unbundled Loop and Switching Rates and Review of the Deaveraged Zone Rate Structure, Docket No. UT-023003*

Dear Ms. Washburn:

Enclosed for filing is the original Exhibit GB-3. When the document was originally filed on February 9, 2004, the hard copies were missing some of the pages. This filing is to submit the complete exhibit in hard copy. The electronic copy was complete. I apologize for any confusion or inconvenience this may have caused.

Very truly yours,

  
SHANNON E. SMITH  
Assistant Attorney General  
(360) 664-1192

SES:kll  
Enclosures  
cc: All parties



Exhibit T-\_\_\_ (GB-3)  
Docket No. UT-023003  
Witness: Glenn Blackmon, Ph.D.

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

In the Matter of Review of  
Unbundled Loop and Switching Rates and  
Review of the Deaveraged Zone Rate  
Structure.

DOCKET NO. UT-023003

RECEIVED  
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WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

EXHIBIT TO TESTIMONY OF  
GLENN BLACKMON, Ph.D.  
STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION

February 9, 2004

Qwest - Without Core and Fringe

Optimized Using Sum of Squared Errors Method

R-squared 89%

<u>Zone</u>	<u>Rate</u>	<u>% of Lines</u>	<u>Wire Centers</u>
1	12.09	44.0%	27
2	14.80	45.8%	37
3	19.28	7.6%	26
4	30.21	2.3%	16
5	<u>68.48</u>	0.2%	5
Wtd. Average	14.44		

Optimized Using Simple Errors Divided by Zone Price (AT&T Method)

R-squared 64%

<u>Zone</u>	<u>Rate</u>	<u>% of Lines</u>	<u>Wire Centers</u>
1	11.22	20.7%	12
2	13.37	45.2%	28
3	15.48	21.8%	20
4	18.31	8.9%	24
5	<u>31.23</u>	3.5%	42
Wtd. Average	14.44		

Zone	Results			
	Rate	Lines	WireCenters	
1	12.09	1,092,827	27	44%
2	14.80	1,139,225	37	46%
3	19.28	189,533	26	8%
4	30.21	58,207	16	2%
5	68.48	6,082	5	0%
Avg/Total	14.44	2,485,874	111	

Wtd SSE 1.375985902 4.70660

1	13,213,400
2	16,863,874
3	3,653,612
4	1,758,669
5	416,485
	35,906,040

Solver Inputs

15	0
16	28
15	65
15	91
28	107
37	111

WireCenter	Lines	Cost	Cumullines	Zone	Rate	SSE	4,706,597	Total Error	0.8902	1092827	1139225	189533	58207	6082
										Zone	Zone	Zone	Zone	Zone
1	STTLWA06	93,010	93,010	1	12.09	495168.008	514,960.63	909981.3	0	0	0	0	0	0
2	KENTWAOB	22,007	115,017	1	12.09	38588.865	121,844.30	236945.9	0	0	0	0	0	0
3	STTLWACA	30,029	145,046	1	12.09	44326.067	166,259.03	326597.8	0	0	0	0	0	0
4	STTLWAEI	20599.5	165,646	1	12.09	17856.078	114,051.52	229890.4	0	0	0	0	0	0
5	STTLWA05	48,225	213,871	1	12.09	40939.568	267,003.29	538656.8	0	0	0	0	0	0
6	STTLWA03	65,341	279,212	1	12.09	34191.348	361,768.01	742773.9	0	0	0	0	0	0
7	BLLWVAGL	44,102	323,314	1	12.09	22643.932	244,175.83	501637.4	0	0	0	0	0	0
8	STTLWASU	46,046	369,360	1	12.09	11422.941	254,939.01	533809.4	0	0	0	0	0	0
9	STTLWALA	53,571	422,931	1	12.09	1315.464	296,602.04	639334	0	0	0	0	0	0
10	MRISWA01	15,587	438,518	1	12.09	162.430	86,299.23	186871.8	0	0	0	0	0	0
11	STTLWAVE	38,024	476,542	1	12.09	301.764	210,524.28	463136.8	0	0	0	0	0	0
12	TACMWAFA	37,775	514,317	1	12.09	855.976	209,145.66	462425.1	0	0	0	0	0	0
13	STTLWAPA	30,410	544,727	1	12.09	4613.309	168,368.48	379532.7	0	0	0	0	0	0
14	BMTNWA01	44,160	588,887	1	12.09	13857.336	244,496.95	558677.4	0	0	0	0	0	0
15	STTLWA04	58,697	647,584	1	12.09	19327.929	324,982.73	743389.5	0	0	0	0	0	0
16	AUBNWA01	43,464	691,048	1	12.09	15351.891	240,643.47	551355.9	0	0	0	0	0	0
17	BLLWVASH	64,720	755,768	1	12.09	23387.946	358,329.77	821437.5	0	0	0	0	0	0
18	TACMWAFL	12,801	768,569	1	12.09	5277.856	70,874.22	162996.9	0	0	0	0	0	0
19	STTLWADU	27,135	795,704	1	12.09	13431.464	150,236.07	347181.1	0	0	0	0	0	0
20	SPKNWA01	39,684	835,388	1	12.09	29858.313	219,715.06	514242.9	0	0	0	0	0	0
21	TACMWA01	24,251	859,639	1	12.09	20010.617	134,268.47	315248.6	0	0	0	0	0	0
22	TACMWAJU	41,799	901,438	1	12.09	35010.691	231,425.00	5436647.6	0	0	0	0	0	0
23	KENTWA01	40,358	941,796	1	12.09	34309.948	223,446.74	525181.2	0	0	0	0	0	0
24	STTLWACH	64,962	1,006,758	1	12.09	56874.670	359,669.63	846241.6	0	0	0	0	0	0
25	FDWYWA01	28,321	1,035,079	1	12.09	30119.833	156,802.49	371636.7	0	0	0	0	0	0
26	VANCWA01	44,722	1,079,801	1	12.09	49470.620	247,608.53	587771.6	0	0	0	0	0	0
27	TACMWAWA	13,026	1,092,827	1	12.09	17973.152	72,119.96	172798.7	0	0	0	0	0	0
28	SPKNWAHD	25,233	1,118,060	2	14.80	38176.505	3,250.27	0	342485.26	0	0	0	0	0
29	TACMWA01	47,092	1,165,152	2	14.80	65819.216	6,065.93	0	641426.14	0	0	0	0	0
30	DESMWA01	20,079	1,185,231	2	14.80	27099.882	2,586.38	0	273901.36	0	0	0	0	0
31	PYLPWA01	51,817	1,237,048	2	14.80	64299.842	6,674.56	0	709321.73	0	0	0	0	0
32	SPKNWAFA	32,613	1,269,661	2	14.80	29864.048	4,200.89	0	451559.85	0	0	0	0	0
33	SPKNWAKY	22,804	1,292,465	2	14.80	20290.156	2,937.39	0	316055.75	0	0	0	0	0
34	ISOHWAEX	30,599	1,323,064	2	14.80	23794.291	3,941.47	0	425972.03	0	0	0	0	0
35	RNTNWA01	75,218	1,398,282	2	14.80	58490.766	9,688.85	0	1047118	0	0	0	0	0
36	ORCHWA01	73,917	1,472,199	2	14.80	45693.733	9,521.27	0	1036071.9	0	0	0	0	0
37	BLHMWA01	54,430	1,526,629	2	14.80	32488.760	7,011.14	0	763671.85	0	0	0	0	0
38	OLYMWAO2	61,135	1,587,764	2	14.80	29741.313	7,874.82	0	862336.67	0	0	0	0	0
39	BNISWA01	16,396	1,604,160	2	14.80	7667.167	2,111.97	0	231496.84	0	0	0	0	0
40	TACMWA01	33,227	1,637,387	2	14.80	14620.908	4,279.98	0	311592.44	0	0	0	0	0
41	TACMWA01	21,487	1,658,874	2	14.80	1953.152	2,767.75	0	610611.62	0	0	0	0	0
42	TACMWA01	41,482	1,700,356	2	14.80	285.891	5,343.31	0	729342.04	0	0	0	0	0
43	YAKMWA02	49,525	1,749,881	2	14.80	287.490	6,379.33	0	0	0	0	0	0	0

WireCenter	Lines	Cost	Cumullines	Zone	Rate	SSE	Total Error	0.8902	1092827	1139225	189533	58207	6082
								42,857,527	Zone	Zone	Zone	Zone	Zone
							4,706,597		1	2	3	4	5
44 VANCENARO	25,246	\$	14.83	1,775,127	2	14.80	17,358	3,251.94	0	374376.88	0	0	0
45 SLDLWASI	23,265	\$	14.99	1,798,392	2	14.80	840,567	2,996.77	0	348812.48	0	0	0
46 SMNRWA01	27,782	\$	15.02	1,826,174	2	14.80	1312,920	3,578.61	0	417294.64	0	0	0
47 LACYWA01	50,516	\$	15.11	1,876,690	2	14.80	4734,611	6,506.98	0	763250.31	0	0	0
48 SPKNWAWA	58,050	\$	15.50	1,934,740	2	14.80	28064,483	7,477.44	0	899673.03	0	0	0
49 SPKNWAWH	29,225	\$	15.66	1,963,965	2	14.80	21572,926	3,764.48	0	457724.92	0	0	0
50 LGVWAA02	41,859	\$	15.72	2,005,824	2	14.80	34952,448	5,391.87	0	657886.22	0	0	0
51 LBLKWA01	1,881	\$	15.74	2,007,705	2	14.80	1665,928	242.29	0	29614,521	0	0	0
52 PTTWAA01	13,977	\$	15.85	2,021,682	2	14.80	15419,451	1,800.38	0	221581.14	0	0	0
53 PTANWA01	22,575	\$	15.92	2,044,257	2	14.80	28247,750	2,907.89	0	359428.84	0	0	0
54 CENLWA01	13,354	\$	16.06	2,057,611	2	14.80	21038,138	1,720.13	0	214439.76	0	0	0
55 PTORWAFE	17,367	\$	16.18	2,074,978	2	14.80	32980,326	2,237.05	0	281015.17	0	0	0
56 MPVYWAMV	14,668	\$	16.21	2,089,646	2	14.80	28969,838	1,889.39	0	237743.27	0	0	0
57 GRHMWAGR	22,212	\$	16.36	2,111,858	2	14.80	53748,085	2,861.13	0	363354.96	0	0	0
58 WLWLWA01	28,606	\$	16.37	2,140,464	2	14.80	70440,710	3,684.75	0	468341.81	0	0	0
59 KENTWAME	26,440	\$	16.50	2,166,904	2	14.80	75704,111	3,405.74	0	436129.04	0	0	0
60 SPKNWAMO	11,692	\$	16.52	2,178,596	2	14.80	34292,376	1,506.05	0	193099.56	0	0	0
61 COLBWA01	10,796	\$	17.03	2,189,392	2	14.80	53430,152	1,390.64	0	183829.81	0	0	0
62 MSLKWA01	15,987	\$	17.10	2,205,379	2	14.80	84552,993	2,059.29	0	273420.66	0	0	0
63 ABRDWA01	21,634	\$	17.23	2,227,013	2	14.80	126974,521	2,786.68	0	372658.21	0	0	0
64 EPHRWA01	5,039	\$	17.35	2,232,052	2	14.80	32651,558	649.08	0	87418.962	0	0	0
65 BTLGWA01	11,479	\$	17.41	2,243,531	3	19.28	40012,102	268,112.40	0	199848	0	0	0
66 YAKMWAWE	20,759	\$	17.42	2,264,290	3	19.28	71830,945	484,863.25	0	361554	0	0	0
67 SEQMWA01	16,310	\$	17.57	2,280,600	3	19.28	47310,135	380,948.97	0	286628	0	0	0
68 PASCWA01	23,618	\$	17.66	2,304,218	3	19.28	62075,709	551,640.27	0	416993	0	0	0
69 CHHLWA01	10,624	\$	17.98	2,314,842	3	19.28	17775,295	248,142.36	0	191056	0	0	0
70 PTLWAA01	3,123	\$	18.30	2,317,965	3	19.28	2954,235	72,943.20	0	57164.4	0	0	0
71 BLFRWA01	9,010	\$	18.70	2,326,975	3	19.28	2995,686	210,444.53	0	168490	0	0	0
72 ENMCWA01	11,420	\$	18.79	2,338,395	3	19.28	2718,026	266,734.35	0	214571	0	0	0
73 BCKLWA01	3,900	\$	18.84	2,342,295	3	19.28	732,014	91,091.41	0	73490.3	0	0	0
74 SPKNWACH	4,788	\$	19.14	2,347,083	3	19.28	93,389	111,832.23	0	91629.2	0	0	0
75 OCSHWA01	4,438	\$	19.60	2,351,521	3	19.28	467,624	103,657.36	0	86991.6	0	0	0
76 NWLWKA01	2,944	\$	19.64	2,354,465	3	19.28	378,880	68,762.34	0	57807.4	0	0	0
77 OLYMWA01	8,328	\$	20.02	2,362,793	3	19.28	4658,362	194,515.21	0	166767	0	0	0
78 SNYSWA01	964	\$	20.26	2,363,757	3	19.28	938,841	22,515.93	0	19534.3	0	0	0
79 RYDFWA01	4,077	\$	20.30	2,367,834	3	19.28	4250,044	95,225.56	0	82754.6	0	0	0
80 ROY WA01	2,856	\$	20.45	2,370,690	3	19.28	3917,634	66,706.94	0	58399.8	0	0	0
81 SHTNWA01	19,912	\$	20.46	2,390,602	3	19.28	27954,302	465,080.07	0	407435	0	0	0
82 BLHMWALLU	1,664	\$	20.48	2,392,266	3	19.28	2390,231	38,865.67	0	34071.1	0	0	0
83 CLELWA01	3,743	\$	20.57	2,396,009	3	19.28	6268,366	87,424.40	0	76997.3	0	0	0
84 MSLKWAAB	3,265	\$	22.01	2,399,274	3	19.28	24417,290	76,259.86	0	71867.9	0	0	0
85 NPVNWA01	2,927	\$	22.86	2,402,201	3	19.28	37540,517	68,365.27	0	66906	0	0	0
86 ROCHWA01	6,996	\$	23.34	2,409,197	3	19.28	115662,116	163,403.98	0	163307	0	0	0

WireCenter	Lines	Cost	Cumullines	Zone	Rate	SSE	4,706,597	Total Error	0.8902	1092827	1139225	189533	58207	6082
										Zone	Zone	Zone	Zone	Zone
87	BDMW01	3,939	24.07	2,413,136	3	19.28	90366.899	92,002.33		0	0	94798.6	0	5
88	CRSBWA01	3,718	24.11	2,416,854	3	19.28	87007.482	86,840.48		0	0	89657.5	0	0
89	ORVLWA01	2,224	24.29	2,419,078	3	19.28	55782.847	51,945.46		0	0	54010.1	0	0
90	WNLCWA01	2,507	24.29	2,421,585	3	19.28	62881.114	58,555.43		0	0	60882.8	0	0
91	GRBLWA01	3,059	26.18	2,424,644	4	30.21	49871.321	760,752.55		0	0	80073.3882	0	0
92	DRPKWA01	6,485	26.67	2,431,129	4	30.21	81235.917	1,612,775.50		0	0	172985.624	0	0
93	CLVLWA01	8,369	27.19	2,439,498	4	30.21	76350.353	2,081,313.52		0	0	227583.354	0	0
94	LNLKWA01	1,557	27.90	2,441,055	4	30.21	8360.220	387,215.34		0	0	43435.377	0	0
95	ELK WA01	2,936	27.94	2,443,991	4	30.21	15212.217	730,163.28		0	0	82025.3886	0	0
96	OTHEWA01	5,531	28.93	2,449,522	4	30.21	9150.917	1,375,522.17		0	0	159999.543	0	0
97	OMAKWA01	8,961	29.06	2,458,483	4	30.21	11986.182	2,228,539.90		0	0	260384.253	0	0
98	HDPTWA01	2,660	29.94	2,461,143	4	30.21	202.345	661,523.95		0	0	79635.7096	0	0
99	CSRKWA01	5,491	30.61	2,466,634	4	30.21	879.033	1,365,574.45		0	0	168102.305	0	0
100	CLFXWA01	3,206	31.84	2,469,840	4	30.21	8508.025	797,310.45		0	0	102088.937	0	0
101	ESTNWA01	736	32.68	2,470,576	4	30.21	4461.181	183,038.21		0	0	24049.5596	0	0
102	CLDMWA01	2,978	33.73	2,473,554	4	30.21	36760.605	740,608.40		0	0	100440.36	0	0
103	WTBGWA01	949	37.83	2,474,503	4	30.21	55055.263	236,009.86		0	0	35901.3668	0	0
104	WRDNWA01	1,614	38.53	2,476,117	4	30.21	111539.381	401,390.85		0	0	62182.7895	0	0
105	DYTNWA01	2,310	42.41	2,478,427	4	30.21	343316.804	574,481.33		0	0	97955.794	0	0
106	JOYCW01	1,365	45.29	2,479,792	4	30.21	310371.066	339,466.24		0	0	61825.0873	0	0
107	SPDLWA01	1,748	60.14	2,481,540	5	68.48	121654.060	5,103,647.63		0	0	105118	0	0
108	PTRSWA01	949	61.06	2,482,489	5	68.48	52258.786	2,770,801.83		0	0	57944	0	0
109	NPRTWA01	1,046	69.10	2,483,535	5	68.48	404.644	3,054,013.40		0	0	72279	0	0
110	PMRYWA01	1,591	71.80	2,485,126	5	68.48	17523.996	4,645,253.65		0	0	114229	0	0
111	CRMTWA01	748	89.46	2,485,874	5	68.48	329281.993	2,183,940.75		0	0	66916	0	0
112										0	0	0	0	0
113										0	0	0	0	0
114										0	0	0	0	0
115										0	0	0	0	0
116										0	0	0	0	0
117										0	0	0	0	0
118										0	0	0	0	0
119										0	0	0	0	0
120										0	0	0	0	0
121										0	0	0	0	0
122										0	0	0	0	0
123										0	0	0	0	0
124										0	0	0	0	0
125										0	0	0	0	0
126										0	0	0	0	0

Zone	Results		
	Rate	Lines	WireCenters
1	11.22	514,317	12
2	13.37	1,123,070	28
3	15.48	541,209	20
4	18.31	220,678	24
5	31.23	86,600	42
Avg/Total	14.44	2,485,874	126
Wtd SSE	7.048016744	123.48462	
1		5,772,060	
2		15,012,573	
3		8,375,313	
4		4,041,378	
5		2,704,716	
		35,906,040	

Solver Inputs

15	0
16	13
15	41
28	61
37	85
	126



WireCenter	Lines	Cost	Cumullines	Zone	Rate	Simple Error	SSE	123,485	12,638,257	Total Error	34,925,867	0.6381	514316.5	1123070	541209	220678	86600	
													Zone	Zone	Zone	Zone	Zone	
1	STTLWA06	93,010	9.78	93,010	1	11.22	11926.584	192620.862	965,116.43	909981.3	0	0	1	2	3	4	5	
2	KENTWA0B	22,007	10.77	115,017	1	11.22	894,059	4574,800	228,355.20	236945.9	0	0	0	0	0	0	0	0
3	STTLWACA	30,029	10.88	145,046	1	11.22	927,669	3609,494	311,595.32	326597.8	0	0	0	0	0	0	0	0
4	STTLWAEI	20,600	11.16	165,646	1	11.22	115,232	81,187	213,750.30	229890.4	0	0	0	0	0	0	0	0
5	STTLWA05	48,225	11.17	213,871	1	11.22	228,260	136,078	500,405.76	538656.8	0	0	0	0	0	0	0	0
6	STTLWA03	65,341	11.37	279,212	1	11.22	843,489	1371,430	678,009.60	742773.9	0	0	0	0	0	0	0	0
7	BLLLWAGL	44,102	11.37	323,314	1	11.22	595,143	1014,949	457,623.53	501637.4	0	0	0	0	0	0	0	0
8	STTLWASU	46,046	11.59	369,360	1	11.22	1518,813	6309,832	477,795.41	533809.4	0	0	0	0	0	0	0	0
9	STTLWALA	53,571	11.93	422,931	1	11.22	3396,529	27123,256	555,878.42	639334	0	0	0	0	0	0	0	0
10	MRISWA01	15,587	11.99	438,518	1	11.22	1064,112	9149,834	161,738.20	186871.8	0	0	0	0	0	0	0	0
11	STTLWAVE	38,024	12.18	476,542	1	11.22	3243,566	34848,854	394,555.28	463136.8	0	0	0	0	0	0	0	0
12	TACMWAFA	37,775	12.24	514,317	1	11.22	3429,151	39207,529	391,971.54	462425.1	0	0	0	0	0	0	0	0
13	STTLWAPA	30,410	12.48	544,727	2	13.37	2017,678	23921,246	35,246.68	0	379532.73	0	0	0	0	0	0	0
14	BMTNWA01	44,160	12.65	588,887	2	13.37	2366,111	22653,622	51,183.61	0	558677.4	0	0	0	0	0	0	0
15	STTLWA04	58,697	12.66	647,584	2	13.37	3085,050	28973,778	68,032.70	0	743389.53	0	0	0	0	0	0	0
16	AUBNWA01	43,464	12.69	691,048	2	13.37	2217,822	20221,832	50,376.91	0	551355.89	0	0	0	0	0	0	0
17	BLLLWASH	64,720	12.69	755,768	2	13.37	3269,389	29511,507	75,013.66	0	821437.49	0	0	0	0	0	0	0
18	TACMWAFL	12,801	12.73	768,569	2	13.37	607,425	5150,373	14,836.99	0	162996.9	0	0	0	0	0	0	0
19	STTLWADU	27,135	12.79	795,704	2	13.37	1162,861	8904,765	31,450.80	0	347181.07	0	0	0	0	0	0	0
20	SPKNWA01	39,684	12.96	835,388	2	13.37	1214,198	6638,348	45,995.70	0	514242.86	0	0	0	0	0	0	0
21	TACMWA01	24,251	13.00	859,639	2	13.37	667,682	3284,784	28,108.10	0	315248.64	0	0	0	0	0	0	0
22	TACMWAJU	41,799	13.01	901,438	2	13.37	1129,468	5453,539	48,447.09	0	543647.62	0	0	0	0	0	0	0
23	KENTWA01	40,358	13.01	941,796	2	13.37	1069,917	5068,358	46,776.90	0	525181.18	0	0	0	0	0	0	0
24	STTLWACH	64,962	13.03	1,006,758	2	13.37	1655,827	7541,661	75,294.15	0	846241.61	0	0	0	0	0	0	0
25	FDWYWA01	28,321	13.12	1,035,079	2	13.37	519,369	1701,925	32,825.43	0	371636.69	0	0	0	0	0	0	0
26	VANCWAA01	44,722	13.14	1,079,801	2	13.37	751,616	2257,188	51,834.99	0	587771.56	0	0	0	0	0	0	0
27	TACMWAWA	13,026	13.17	1,092,827	2	13.37	99,166	134,899	15,097.77	0	172798.71	0	0	0	0	0	0	0
28	SPKNWAHD	25,233	13.57	1,118,060	2	13.37	387,852	1065,272	29,246.28	0	342485.26	0	0	0	0	0	0	0
29	TACMWA01	47,092	13.62	1,165,152	2	13.37	892,209	3020,527	54,581.94	0	641426.14	0	0	0	0	0	0	0
30	DESMWA01	20,079	13.64	1,185,231	2	13.37	411,184	1504,624	23,272.55	0	273901.36	0	0	0	0	0	0	0
31	PYLPWA01	51,817	13.69	1,237,048	2	13.37	1246,385	5357,084	60,058.45	0	709321.73	0	0	0	0	0	0	0
32	SPKNWAFA	32,613	13.85	1,269,661	2	13.37	1167,573	7469,192	37,800.07	0	451559.85	0	0	0	0	0	0	0
33	SPKNWAKY	22,804	13.86	1,292,465	2	13.37	839,696	5524,974	26,430.95	0	316055.75	0	0	0	0	0	0	0
34	ISQHWAEX	30,599	13.92	1,323,064	2	13.37	1267,382	9380,042	35,465.74	0	425972.03	0	0	0	0	0	0	0
35	RNTNWA01	75,218	13.92	1,398,282	2	13.37	3115,460	23057,878	87,181.35	0	1047118	0	0	0	0	0	0	0
36	ORCHWA01	73,917	14.02	1,472,199	2	13.37	3590,118	31158,006	85,673.43	0	1036071.9	0	0	0	0	0	0	0
37	BLHMWA01	54,430	14.03	1,526,629	2	13.37	2699,242	23918,949	63,087.04	0	763671.85	0	0	0	0	0	0	0
38	OLYMWA02	61,135	14.11	1,587,764	2	13.37	3375,222	33297,489	70,858.46	0	862336.67	0	0	0	0	0	0	0
39	BNISWA01	16,396	14.12	1,604,160	2	13.37	921,961	9263,679	19,003.77	0	231496.84	0	0	0	0	0	0	0
40	TACMWA01	33,227	14.14	1,637,387	2	13.37	1919,294	19810,180	38,511.72	0	469816.05	0	0	0	0	0	0	0
41	TACMWA01	21,487	14.50	1,658,874	3	15.48	1352,034	20373,778	22,846.82	0	0	311592	0	0	0	0	0	0
42	TACMWA01	41,482	14.72	1,700,356	3	15.48	2024,547	23662,913	44,107.21	0	0	610612	0	0	0	0	0	0
43	YAKMWA02	49,525	14.73	1,749,881	3	15.48	2395,240	27742,496	52,659.22	0	0	729342	0	0	0	0	0	0
44	VANCWANO	25,246	14.83	1,775,127	3	15.48	1053,932	10536,695	26,843.71	0	0	374377	0	0	0	0	0	0
45	SLDLWASI	23,265	14.99	1,798,392	3	15.48	724,892	5408,982	24,737.34	0	0	348812	0	0	0	0	0	0
46	SMNRWA01	27,782	15.02	1,826,174	3	15.48	816,605	5748,207	29,540.20	0	0	417295	0	0	0	0	0	0
47	LACYWA01	50,516	15.11	1,876,690	3	15.48	1195,103	6771,011	53,712.94	0	0	763250	0	0	0	0	0	0
48	SPKNWA01	58,050	15.50	1,934,740	3	15.48	86,473	30,848	61,723.73	0	0	899673	0	0	0	0	0	0
49	SPKNWA01	29,225	15.66	1,963,965	3	15.48	352,982	1020,990	31,074.52	0	0	457725	0	0	0	0	0	0
50	LGWVWA02	41,859	15.72	2,005,824	3	15.48	653,316	2441,914	44,508.07	0	0	657886	0	0	0	0	0	0
51	LBLKWA01	1,881	15.74	2,007,705	3	15.48	32,677	135,949	2,000.04	0	0	29614.5	0	0	0	0	0	0

WireCenter	Lines	Cost	Cumullines	Zone	Rate	Simple Error	SSE	12,638,257	Total Error	34,925,867	0.6381	514316.5	Zone	1	1123070	Zone	2	541209	Zone	3	220678	Zone	4	86600	Zone	5
52	PTTWAA01	13,977	\$	15.85	2,021,682	3	15.48	341,476	1997,916	14,861.54			0	0	0	0	221581	0	0	0	0	0	0	0	0	0
53	PTANWA01	22,575	\$	15.92	2,044,257	3	15.48	651,133	4497,628	24,003.67			0	0	0	0	359429	0	0	0	0	0	0	0	0	0
54	CENLWA01	13,354	\$	16.06	2,057,611	3	15.48	503,002	4537,333	14,199.12			0	0	0	0	214440	0	0	0	0	0	0	0	0	0
55	PTORWAFE	17,367	\$	16.18	2,074,978	3	15.48	792,076	8651,296	18,466.08			0	0	0	0	281015	0	0	0	0	0	0	0	0	0
56	MPVYWA01	14,668	\$	16.21	2,089,646	3	15.48	694,865	7883,193	15,596.27			0	0	0	0	237743	0	0	0	0	0	0	0	0	0
57	GRHWAGR	22,212	\$	16.36	2,111,858	3	15.48	1267,837	17330,508	23,617.70			0	0	0	0	363355	0	0	0	0	0	0	0	0	0
58	WLWLWA01	28,606	\$	16.37	2,140,464	3	15.48	1658,041	23014,701	30,416.35			0	0	0	0	468342	0	0	0	0	0	0	0	0	0
59	KENTWAME	26,440	\$	16.50	2,166,904	3	15.48	1742,465	27500,393	28,113.27			0	0	0	0	436129	0	0	0	0	0	0	0	0	0
60	SPKNWAMO	11,692	\$	16.52	2,178,596	3	15.48	786,008	12654,287	12,431.94			0	0	0	0	193100	0	0	0	0	0	0	0	0	0
61	COLBWA01	10,796	\$	17.03	2,189,392	4	18.31	758,038	17850,870	161,642.60			0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	MSLKWA01	15,987	\$	17.10	2,205,379	4	18.31	1056,961	23436,441	239,364.61			0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	ABRDWA01	21,634	\$	17.23	2,227,013	4	18.31	1285,129	25603,392	323,914.05			0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	EPHRWA01	5,039	\$	17.35	2,232,052	4	18.31	265,518	4692,295	75,446.19			0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	BTLGWA01	11,479	\$	17.41	2,243,531	4	18.31	566,344	9371,237	171,868.79			0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	YAKMWAWE	20,759	\$	17.42	2,264,290	4	18.31	1016,455	16692,102	310,813.15			0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	SEQMWA01	16,310	\$	17.57	2,280,600	4	18.31	658,760	8923,632	244,200.71			0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	PASCWA01	23,618	\$	17.66	2,304,218	4	18.31	848,270	10218,003	353,619.40			0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	CHHLWA01	10,624	\$	17.98	2,314,842	4	18.31	191,460	1157,197	159,067.34			0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	PTLWAA01	3,123	\$	18.30	2,317,965	4	18.31	1,560	0.261	46,758.97			0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	BLFRWA01	9,010	\$	18.70	2,326,975	4	18.31	190,323	1348,333	134,901.80			0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	ENMCWA01	11,420	\$	18.79	2,338,395	4	18.31	296,578	2583,160	170,985.41			0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	BCKLWA01	3,900	\$	18.84	2,342,295	4	18.31	112,915	1096,420	58,392.57			0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	SPKNWACH	4,788	\$	19.14	2,347,083	4	18.31	215,380	3249,353	71,688.11			0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	OCSHWA01	4,438	\$	19.60	2,351,521	4	18.31	312,143	7363,123	66,447.75			0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	NWLKWA01	2,944	\$	19.64	2,354,465	4	18.31	212,552	5146,746	44,078.90			0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	OLYMWA01	8,328	\$	20.02	2,362,793	4	18.31	778,238	24390,765	124,690.59			0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	SNYSWA01	964	\$	20.26	2,363,757	4	18.31	102,663	3666,826	14,433.44			0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	RDFDWA01	4,077	\$	20.30	2,367,834	4	18.31	441,787	16055,569	61,042.69			0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	ROY WA01	2,856	\$	20.45	2,370,690	4	18.31	332,903	13014,192	42,761.33			0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	SHTNWA01	19,912	\$	20.46	2,390,602	4	18.31	2335,841	91899,322	298,131.48			0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	BLHMWALU	1,664	\$	20.48	2,392,266	4	18.31	196,442	7777,752	24,914.16			0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	CLELWA01	3,743	\$	20.57	2,396,009	4	18.31	461,411	19076,445	56,041.89			0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	MSLKWA01	3,265	\$	22.01	2,399,274	4	18.31	659,320	44652,996	48,885.06			0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	NPVNWAA01	2,927	\$	22.86	2,402,201	5	31.23	784,795	205256,939	824,962.03			0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	ROCHWA01	6,996	\$	23.34	2,409,197	5	31.23	1767,204	435443,054	1,971,791.72			0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	BDMDWA01	3,939	\$	24.07	2,413,136	5	31.23	903,726	202253,201	1,110,189.76			0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	CRSBWA01	3,718	\$	24.11	2,416,854	5	31.23	847,333	188367,625	1,047,901.89			0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	ORVLWA01	2,224	\$	24.29	2,419,078	5	31.23	494,696	107336,923	626,824.58			0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	WNLCWA01	2,507	\$	24.29	2,421,585	5	31.23	557,645	120995,353	706,586.88			0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	GRBLWA01	3,059	\$	26.18	2,424,644	5	31.23	495,199	78196,479	862,165.65			0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	DRPKWA01	6,485	\$	26.67	2,431,129	5	31.23	946,321	134702,287	1,827,768.62			0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	CLVLWA01	8,369	\$	27.19	2,439,498	5	31.23	1082,203	136506,030	2,358,765.71			0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	LNKWA01	1,557	\$	27.90	2,441,055	5	31.23	166,280	17322,008	438,833.58			0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	ELK WA01	2,936	\$	27.94	2,443,991	5	31.23	309,699	31866,327	827,498.64			0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	OTHEWA01	5,531	\$	28.93	2,449,522	5	31.23	408,112	29373,911	1,558,887.93			0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	OMAKWA01	8,961	\$	29.06	2,458,483	5	31.23	623,979	42383,002	2,525,618.29			0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	HDPWA01	2,660	\$	29.94	2,461,143	5	31.23	110,212	4454,373	749,709.26			0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	CSRKWA01	5,491	\$	30.61	2,466,634	5	31.23	108,676	2098,093	1,547,614.11			0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	CLFXWA01	3,206	\$	31.84	2,469,840	5	31.23	62,698	1196,068	903,596.95			0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	ESTNWA01	736	\$	32.68	2,470,576	5	31.23	34,022	1534,110	207,438.35			0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	CLDMWA01	2,978	\$	33.73	2,473,554	5	31.23	237,914	18540,559	839,336.15			0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	WTBGWA01	949	\$	37.83	2,474,503	5	31.23	200,495	41318,941	267,471.46			0	0	0	0	0	0	0	0	0	0	0	0	0	0

WireCenter	Lines	Cost	CumulLines	Zone	Rate	Simple Error	SSE	12,638,257	Total Error	0.6381	514316.5	1123070	541209	220678	86600
											Zone	Zone	Zone	Zone	Zone
104 WRDNWA01	0	1,614	38.53	2,476,117	5	31.23	376.978	85888.512	454,898.78		0	0	0	0	5
105 DYTNAWA01	0	2,310	42.41	2,478,427	5	31.23	826.363	288361.428	651,063.30		0	0	0	0	62183
106 JOYCWAWA01	0	1,365	45.29	2,479,792	5	31.23	614.525	269869.332	384,719.22		0	0	0	0	97956
107 SPDLWA01	0	1,748	60.14	2,481,540	5	31.23	1617.670	1460313.289	492,666.08		0	0	0	0	61825
108 PTRSWA01	0	949	61.06	2,482,489	5	31.23	906.249	844183.022	267,471.46		0	0	0	0	105118
109 NPRTWA01	0	1,046	69.10	2,483,535	5	31.23	1268.237	1499950.879	294,810.48		0	0	0	0	72279
110 PMRYWA01	0	1,591	71.80	2,485,126	5	31.23	2066.409	2618002.724	448,416.33		0	0	0	0	114229
111 CRMTWA01	0	748	89.46	2,485,874	5	31.23	1394.521	2536041.137	210,820.50		0	0	0	0	66916
112	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
113	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
114	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
115	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
116	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
117	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
118	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
119	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
120	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
121	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
122	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
123	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
124	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
125	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0
126	0	-	-	2,485,874	5	31.23	0.000	0.000	-		0	0	0	0	0

Zone	Results		
	Rate	Lines	WireCenters
1	11.22	514,317	27
2	12.81	492,441	28
3	13.70	465,441	25
4	14.80	533,625	18
5	19.90	480,050	28
Avg/Total	14.44	2,485,874	126
Wtd SSE	3.254086609	26.32311	
1		5,772,060	
2		6,309,133	
3		6,376,119	
4		7,897,886	
5		9,550,842	
		35,906,040	

Solver Inputs

15	0
16	28
15	56
28	81
37	99
	126

WireCenter	Lines	Cost	Cumullines	Zone	Rate	SSE	TotalError	514316.5 Zone 1	492441 Zone 2	465441 Zone 3	533625 Zone 4	480050 Zone 5
1	STLLWA06	93,010 \$	93,010	1	11.22	192,621	965,116.43	909981.3	0	0	0	0
2	KENTWA0B	22,007 \$	115,017	1	11.22	4,575	228,355.20	236945.9	0	0	0	0
3	STLLWACA	30,029 \$	145,046	1	11.22	3,609	311,595.32	326597.8	0	0	0	0
4	STLLWAEI	20,600 \$	165,646	1	11.22	81	213,750.30	229890.4	0	0	0	0
5	STLLWA05	48,225 \$	213,871	1	11.22	136	500,405.76	538656.8	0	0	0	0
6	STLLWA03	65,341 \$	279,212	1	11.22	1,371	678,009.60	742773.9	0	0	0	0
7	BLLVWAGL	44,102 \$	323,314	1	11.22	1,015	457,623.53	501637.4	0	0	0	0
8	STLLWASU	46,046 \$	369,360	1	11.22	6,310	477,795.41	533809.4	0	0	0	0
9	STLLWALA	53,571 \$	422,931	1	11.22	27,123	555,878.42	639334	0	0	0	0
10	MRISWA01	15,587 \$	438,518	1	11.22	9,150	161,738.20	186871.8	0	0	0	0
11	STLLWAVE	38,024 \$	476,542	1	11.22	34,849	394,555.28	463136.8	0	0	0	0
12	TACMWAFA	37,775 \$	514,317	1	11.22	39,208	391,971.54	462425.1	0	0	0	0
13	STLLWAPA	30,410 \$	544,727	2	12.81	3,340	81,002.33	0	379532.7	0	0	0
14	BMTNWA01	44,160 \$	588,887	2	12.81	1,141	117,627.85	0	558677.4	0	0	0
15	STLLWA04	58,697 \$	647,584	2	12.81	1,270	156,349.68	0	743389.5	0	0	0
16	AUBNWA01	43,464 \$	691,048	2	12.81	697	115,773.93	0	551355.9	0	0	0
17	BLLVWASH	64,720 \$	755,768	2	12.81	929	172,392.99	0	821437.5	0	0	0
18	TACMWAFL	12,801 \$	768,569	2	12.81	80	34,097.69	0	162996.9	0	0	0
19	STLLWADU	27,135 \$	795,704	2	12.81	8	72,278.80	0	347181.1	0	0	0
20	SPKNWA01	39,684 \$	835,388	2	12.81	852	105,705.24	0	514242.9	0	0	0
21	TACMWA01	24,251 \$	859,639	2	12.81	852	64,596.76	0	315248.6	0	0	0
22	TACMWA02	41,799 \$	901,438	2	12.81	1,578	111,338.91	0	543647.6	0	0	0
23	KENTWA01	40,358 \$	941,796	2	12.81	1,632	107,500.56	0	525181.2	0	0	0
24	STLLWACH	64,962 \$	1,006,758	2	12.81	2,996	173,037.60	0	846241.6	0	0	0
25	FDWYWA01	28,321 \$	1,035,079	3	13.70	9,422	15,716.41	0	0	371637	0	0
26	VANCAWA01	44,722 \$	1,079,801	3	13.70	13,841	24,817.95	0	0	567772	0	0
27	TACMWA0A	13,026 \$	1,092,827	3	13.70	2,447	7,228.63	0	0	172799	0	0
28	SPKNWAHD	25,233 \$	1,118,060	3	13.70	402	14,002.76	0	0	342485	0	0
29	TACMWA0W	47,092 \$	1,165,152	3	13.70	289	26,133.15	0	0	641426	0	0
30	DESMWA01	20,079 \$	1,185,231	3	13.70	67	11,142.61	0	0	273901	0	0
31	PYLPWA01	51,817 \$	1,237,048	3	13.70	5	28,755.24	0	0	709322	0	0
32	SPKNWAFA	32,613 \$	1,269,661	3	13.70	704	18,098.20	0	0	451560	0	0
33	SPKNWAKY	22,804 \$	1,292,465	3	13.70	588	12,654.81	0	0	316056	0	0
34	ISQHWAEX	30,599 \$	1,323,064	3	13.70	1,508	16,980.56	0	0	425972	0	0
35	RNTNWA01	75,218 \$	1,398,282	3	13.70	3,708	41,741.35	0	0	1047118	0	0
36	ORCHWA01	73,917 \$	1,472,199	3	13.70	7,456	41,019.37	0	0	1036072	0	0
37	BLHMWA01	54,430 \$	1,526,629	4	14.80	32,279	6,914.08	0	0	0	763671.847	0
38	OLYMWWA02	61,135 \$	1,587,764	4	14.80	29,529	7,765.80	0	0	0	862336.669	0
39	BNISWA01	16,396 \$	1,604,160	4	14.80	7,611	2,082.74	0	0	0	231496.838	0
40	TACMWA0F	33,227 \$	1,637,387	4	14.80	14,511	4,220.73	0	0	0	469816.051	0
41	TACMWASY	21,487 \$	1,658,874	4	14.80	1,921	2,729.43	0	0	0	311592.443	0
42	TACMWALE	41,482 \$	1,700,356	4	14.80	269	5,269.34	0	0	0	610611.619	0
43	YAKMWA02	49,525 \$	1,749,881	4	14.80	269	6,291.02	0	0	0	729342.043	0
44	VANCAWANO	25,246 \$	1,775,127	4	14.80	21	3,206.93	0	0	0	374376.878	0
45	SLDLWASI	23,265 \$	1,798,392	4	14.80	863	2,955.29	0	0	0	348812.478	0
46	SMNRWA01	27,782 \$	1,826,174	4	14.80	1,343	3,529.07	0	0	0	417294.641	0
47	LACYWA01	50,516 \$	1,876,690	4	14.80	4,812	6,416.90	0	0	0	763250.309	0
48	SPKNWAWA	58,050 \$	1,934,740	4	14.80	28,266	7,373.92	0	0	0	899673.029	0
49	SPKNWAWH	29,225 \$	1,963,965	4	14.80	21,698	3,712.37	0	0	0	457724.916	0
50	LGVMWA02	41,859 \$	2,005,824	4	14.80	35,143	5,317.23	0	0	0	657886.218	0
51	LBLKWA01	1,881 \$	2,007,705	5	19.90	32,419	55,900.78	0	0	0	0	29615
52	PTTWAA01	13,977 \$	2,021,682	5	19.90	228,381	415,377.57	0	0	0	0	221581
53	PATANWA01	22,575 \$	2,044,257	5	19.90	356,515	670,898.52	0	0	0	0	359429
54	CENLWA01	13,354 \$	2,057,611	5	19.90	196,649	396,862.85	0	0	0	0	214440

WireCenter	Lines	Cost	Cumullines	Zone	Rate	SSE	26,323,113	TotalError	514316.5	492441	465441	533625	480050
								21,241,011	Zone	Zone	Zone	Zone	Zone
								(0.2393)	1	2	3	4	5
									514316.5	492441	465441	533625	480050
55	PTORWAFE	17,367	16.18	2,074,978	5	19.90	239,625	516,123.79	0	0	0	0	281015
56	MPVYWAMV	14,668	16.21	2,089,646	5	19.90	199,420	435,913.16	0	0	0	0	237743
57	GRHMWAGR	22,212	16.36	2,111,858	5	19.90	277,883	660,110.65	0	0	0	0	363355
58	WLWLWA01	28,606	16.37	2,140,464	5	19.90	355,117	850,131.70	0	0	0	0	468342
59	KENTWAME	26,440	16.50	2,166,904	5	19.90	305,731	785,761.10	0	0	0	0	436129
60	SPKNWAMO	11,692	16.52	2,178,596	5	19.90	133,573	347,470.45	0	0	0	0	193100
61	COLBWA01	10,796	17.03	2,189,392	5	19.90	88,797	320,842.54	0	0	0	0	183830
62	MSLKWA01	15,987	17.10	2,205,379	5	19.90	124,697	475,112.06	0	0	0	0	273421
63	ABRDWA01	21,634	17.23	2,227,013	5	19.90	154,219	642,933.27	0	0	0	0	372658
64	EPHRWA01	5,039	17.35	2,232,052	5	19.90	32,690	149,752.28	0	0	0	0	87419
65	BTLGWA01	11,479	17.41	2,243,531	5	19.90	70,919	341,140.38	0	0	0	0	199848
66	YAKMWAWE	20,759	17.42	2,264,290	5	19.90	127,549	616,929.45	0	0	0	0	361554
67	SEQMWA01	16,310	17.57	2,304,218	5	19.90	118,485	484,711.18	0	0	0	0	286628
68	PASCWA01	23,618	17.66	2,304,218	5	19.90	118,485	701,895.07	0	0	0	0	416993
69	CHHLWA01	10,624	17.98	2,314,842	5	19.90	38,842	315,730.94	0	0	0	0	191056
70	PTLWVA01	3,123	18.30	2,317,965	5	19.90	7,907	92,811.34	0	0	0	0	57164
71	BLFRWA01	9,010	18.70	2,326,975	5	19.90	12,871	267,765.04	0	0	0	0	168490
72	ENMCWA01	11,420	18.79	2,338,395	5	19.90	13,981	339,386.98	0	0	0	0	214571
73	BCKLWA01	3,900	18.84	2,342,295	5	19.90	4,315	115,902.73	0	0	0	0	73490
74	SPKNWACH	4,788	19.14	2,347,083	5	19.90	2,753	142,292.90	0	0	0	0	91629
75	OCSHWA01	4,438	19.60	2,351,521	5	19.90	384	131,891.37	0	0	0	0	86992
76	NWLKWA01	2,944	19.64	2,354,465	5	19.90	199	87,491.71	0	0	0	0	57807
77	OLYMWA01	8,328	20.02	2,362,793	5	19.90	139	247,496.92	0	0	0	0	166767
78	SNYSWA01	964	20.26	2,363,757	5	19.90	131	28,648.78	0	0	0	0	19534
79	RDFDWA01	4,077	20.30	2,367,834	5	19.90	660	121,162.94	0	0	0	0	82755
80	ROY WA01	2,856	20.45	2,370,690	5	19.90	872	84,876.46	0	0	0	0	58400
81	SHTNWA01	19,912	20.46	2,390,602	5	19.90	6,385	591,757.76	0	0	0	0	407435
82	BLHMWALU	1,664	20.48	2,392,266	5	19.90	560	49,451.83	0	0	0	0	34071
83	CLELWA01	3,743	20.57	2,396,009	5	19.90	1,708	111,236.91	0	0	0	0	76997
84	MSLKWAAB	3,265	22.01	2,399,274	5	19.90	14,620	97,031.39	0	0	0	0	71868
85	NPLNWA01	2,927	22.86	2,402,201	5	19.90	25,692	86,986.49	0	0	0	0	66906
86	ROCHWA01	6,996	23.34	2,409,197	5	19.90	83,146	207,911.67	0	0	0	0	163307
87	BDMDWA01	3,939	24.07	2,413,136	5	19.90	68,532	117,061.76	0	0	0	0	94799
88	CRSBWA01	3,718	24.11	2,416,854	5	19.90	66,178	110,493.94	0	0	0	0	89658
89	ORVLWA01	2,224	24.29	2,419,078	5	19.90	42,854	66,094.28	0	0	0	0	54010
90	WNLCWA01	2,507	24.29	2,421,585	5	19.90	48,307	74,504.66	0	0	0	0	60883
91	GRBLWA01	3,059	26.18	2,424,644	5	19.90	120,673	90,909.35	0	0	0	0	80073
92	DRPKWA01	6,485	26.67	2,431,129	5	19.90	298,036	192,725.44	0	0	0	0	172986
93	CLVLWA01	8,369	27.19	2,439,498	5	19.90	445,752	248,715.38	0	0	0	0	227583
94	LNLKWA01	1,557	27.90	2,441,055	5	19.90	99,681	46,271.94	0	0	0	0	43435
95	ELK WA01	2,936	27.94	2,443,991	5	19.90	189,896	87,253.96	0	0	0	0	82025
96	OTHEWA01	5,531	28.93	2,449,522	5	19.90	451,229	164,373.85	0	0	0	0	160000
97	OMAKWA01	8,961	29.06	2,458,483	5	19.90	752,204	266,308.82	0	0	0	0	260384
98	HDPTWA01	2,660	29.94	2,461,143	5	19.90	268,278	79,051.61	0	0	0	0	79636
99	CSRKWA01	5,491	30.61	2,466,634	5	19.90	630,856	163,185.11	0	0	0	0	168102
100	CLEKWA01	3,206	31.84	2,469,840	5	19.90	457,639	95,277.99	0	0	0	0	102089
101	ESTNWA01	736	32.68	2,470,576	5	19.90	120,219	21,872.93	0	0	0	0	24050
102	CLDMWA01	2,978	33.73	2,473,554	5	19.90	569,759	88,502.14	0	0	0	0	100440
103	WTBGWA01	949	37.83	2,474,503	5	19.90	305,267	28,203.00	0	0	0	0	35901
104	WRDNWA01	1,614	38.53	2,476,117	5	19.90	560,279	47,965.90	0	0	0	0	62183
105	DYTNWA01	2,310	42.41	2,478,427	5	19.90	1,170,435	68,650.08	0	0	0	0	97956
106	JOYCWAO1	1,365	45.29	2,479,792	5	19.90	880,476	40,565.96	0	0	0	0	61825
107	SPDLWA01	1,748	60.14	2,481,540	5	19.90	2,830,519	51,948.20	0	0	0	0	105118
108	PTRSWA01	949	61.06	2,482,489	5	19.90	1,607,908	28,203.00	0	0	0	0	57944

WireCenter	Lines	Cost	CumulLines	Zone	Rate	SSE	26,323,113	(0.2393)	514316.5	492441	465441	533625	480050
								Total Error	Zone	Zone	Zone	Zone	Zone
109	NPRTWA01	1,046 \$	69.10	5	19.90	2,532,484	21,241,011	31,085.71	1	2	3	4	5
110	PMRYWA01	1,591 \$	71.80	5	19.90	4,285,803		47,282.37	0	0	0	0	72279
111	CRMTWA01	748 \$	89.46	5	19.90	3,619,702		22,229.55	0	0	0	0	114229
112	0	- \$	-	5	19.90	-		-	0	0	0	0	66916
113	0	- \$	-	5	19.90	-		-	0	0	0	0	0
114	0	- \$	-	5	19.90	-		-	0	0	0	0	0
115	0	- \$	-	5	19.90	-		-	0	0	0	0	0
116	0	- \$	-	5	19.90	-		-	0	0	0	0	0
117	0	- \$	-	5	19.90	-		-	0	0	0	0	0
118	0	- \$	-	5	19.90	-		-	0	0	0	0	0
119	0	- \$	-	5	19.90	-		-	0	0	0	0	0
120	0	- \$	-	5	19.90	-		-	0	0	0	0	0
121	0	- \$	-	5	19.90	-		-	0	0	0	0	0
122	0	- \$	-	5	19.90	-		-	0	0	0	0	0
123	0	- \$	-	5	19.90	-		-	0	0	0	0	0
124	0	- \$	-	5	19.90	-		-	0	0	0	0	0
125	0	- \$	-	5	19.90	-		-	0	0	0	0	0
126	0	- \$	-	5	19.90	-		-	0	0	0	0	0

Staff 5 Zone Proposal / No Core-Fringe

CLLI	Proposed Zone Rates	Current Zone Rates	Difference
STTLWA06	\$ 12.09	\$ 6.05	\$ 6.04
KENTWA0B	\$ 12.09	\$ 12.40	\$ (0.31)
STTLWACA	\$ 12.09	\$ 10.99	\$ 1.10
STTLWAEL	\$ 12.09	\$ 6.05	\$ 6.04
STTLWA05	\$ 12.09	\$ 12.40	\$ (0.31)
STTLWA03	\$ 12.09	\$ 10.99	\$ 1.10
BLLVWAGL	\$ 12.09	\$ 10.99	\$ 1.10
STTLWASU	\$ 12.09	\$ 12.40	\$ (0.31)
STTLWALA	\$ 12.09	\$ 10.99	\$ 1.10
MRISWA01	\$ 12.09	\$ 10.99	\$ 1.10
STTLWAVE	\$ 12.09	\$ 10.99	\$ 1.10
TACMWafa	\$ 12.09	\$ 10.99	\$ 1.10
STTLWAPA	\$ 12.09	\$ 10.99	\$ 1.10
BMTNWA01	\$ 12.09	\$ 10.99	\$ 1.10
STTLWA04	\$ 12.09	\$ 12.40	\$ (0.31)
AUBNWA01	\$ 12.09	\$ 13.95	\$ (1.86)
BLLVWASH	\$ 12.09	\$ 12.40	\$ (0.31)
TACMWAFI	\$ 12.09	\$ 10.99	\$ 1.10
STTLWADU	\$ 12.09	\$ 12.40	\$ (0.31)
SPKNWA01	\$ 12.09	\$ 13.95	\$ (1.86)
TACMWALO	\$ 12.09	\$ 10.99	\$ 1.10
TACMWAJU	\$ 12.09	\$ 13.95	\$ (1.86)
KENTWA01	\$ 12.09	\$ 10.99	\$ 1.10
STTLWACH	\$ 12.09	\$ 12.40	\$ (0.31)
FDWYWA01	\$ 12.09	\$ 12.40	\$ (0.31)
VANCWA01	\$ 12.09	\$ 12.40	\$ (0.31)
TACMWAWA	\$ 12.09	\$ 13.95	\$ (1.86)
SPKNWAHD	\$ 14.80	\$ 18.70	\$ (3.90)
TACMWAWV	\$ 14.80	\$ 13.95	\$ 0.85
DESMWA01	\$ 14.80	\$ 12.40	\$ 2.40
PYLPWA01	\$ 14.80	\$ 13.95	\$ 0.85
SPKNWafa	\$ 14.80	\$ 13.95	\$ 0.85
SPKNWAKY	\$ 14.80	\$ 12.40	\$ 2.40
ISQHWAEX	\$ 14.80	\$ 18.70	\$ (3.90)
RNTNWA01	\$ 14.80	\$ 13.95	\$ 0.85
ORCHWA01	\$ 14.80	\$ 18.70	\$ (3.90)
BLHMWA01	\$ 14.80	\$ 18.70	\$ (3.90)
OLYMWA02	\$ 14.80	\$ 13.95	\$ 0.85
BNISWA01	\$ 14.80	\$ 18.70	\$ (3.90)
TACMWAGF	\$ 14.80	\$ 18.70	\$ (3.90)
TACMWASY	\$ 14.80	\$ 18.70	\$ (3.90)
TACMWALE	\$ 14.80	\$ 18.70	\$ (3.90)
YAKMWA02	\$ 14.80	\$ 18.70	\$ (3.90)
VANCWANO	\$ 14.80	\$ 18.70	\$ (3.90)
SLDLWASI	\$ 14.80	\$ 18.70	\$ (3.90)
SMNRWA01	\$ 14.80	\$ 10.99	\$ 3.81
LACYWA01	\$ 14.80	\$ 18.70	\$ (3.90)
SPKNWAWA	\$ 14.80	\$ 18.70	\$ (3.90)



SPKNWAWH	\$ 14.80	\$ 18.70	\$ (3.90)
LGVWWA02	\$ 14.80	\$ 18.70	\$ (3.90)
LBLKWA01	\$ 14.80	\$ 18.70	\$ (3.90)
PTTWAA01	\$ 14.80	\$ 18.70	\$ (3.90)
PTANWA01	\$ 14.80	\$ 18.70	\$ (3.90)
CENLWA01	\$ 14.80	\$ 13.95	\$ 0.85
PTORWAFE	\$ 14.80	\$ 18.70	\$ (3.90)
MPVYWAMV	\$ 14.80	\$ 18.70	\$ (3.90)
GRHMWAGR	\$ 14.80	\$ 18.70	\$ (3.90)
WLWLWA01	\$ 14.80	\$ 18.70	\$ (3.90)
KENTWAME	\$ 14.80	\$ 18.70	\$ (3.90)
SPKNWAMO	\$ 14.80	\$ 18.70	\$ (3.90)
COLBWA01	\$ 14.80	\$ 18.70	\$ (3.90)
MSLKWA01	\$ 14.80	\$ 18.70	\$ (3.90)
ABRDWA01	\$ 14.80	\$ 18.70	\$ (3.90)
EPHRWA01	\$ 14.80	\$ 18.70	\$ (3.90)
BTLGWA01	\$ 19.28	\$ 18.70	\$ 0.58
YAKMWAVE	\$ 19.28	\$ 12.40	\$ 6.88
SEQMWA01	\$ 19.28	\$ 18.70	\$ 0.58
PASCWA01	\$ 19.28	\$ 18.70	\$ 0.58
CHHLWA01	\$ 19.28	\$ 18.70	\$ 0.58
PTLWWA01	\$ 19.28	\$ 18.70	\$ 0.58
BLFRWA01	\$ 19.28	\$ 18.70	\$ 0.58
ENMCWA01	\$ 19.28	\$ 18.70	\$ 0.58
BCKLWA01	\$ 19.28	\$ 18.70	\$ 0.58
SPKNWACH	\$ 19.28	\$ 18.70	\$ 0.58
OCSHWA01	\$ 19.28	\$ 18.70	\$ 0.58
NWLKWA01	\$ 19.28	\$ 18.70	\$ 0.58
OLYMWAEV	\$ 19.28	\$ 18.70	\$ 0.58
SNYSWA01	\$ 19.28	\$ 18.70	\$ 0.58
RDFDWA01	\$ 19.28	\$ 18.70	\$ 0.58
ROY WA01	\$ 19.28	\$ 18.70	\$ 0.58
SHTNWA01	\$ 19.28	\$ 18.70	\$ 0.58
BLHMWALU	\$ 19.28	\$ 18.70	\$ 0.58
CLELWA01	\$ 19.28	\$ 18.70	\$ 0.58
MSLKWAAB	\$ 19.28	\$ 13.95	\$ 5.33
NPVNWA01	\$ 19.28	\$ 18.70	\$ 0.58
ROCHWA01	\$ 19.28	\$ 18.70	\$ 0.58
BDMDWA01	\$ 19.28	\$ 18.70	\$ 0.58
CRSBWA01	\$ 19.28	\$ 18.70	\$ 0.58
ORVLWA01	\$ 19.28	\$ 18.70	\$ 0.58
WNLCWA01	\$ 19.28	\$ 18.70	\$ 0.58
GRBLWA01	\$ 30.21	\$ 18.70	\$ 11.51
DRPKWA01	\$ 30.21	\$ 18.70	\$ 11.51
CLVLWA01	\$ 30.21	\$ 18.70	\$ 11.51
LNLKWA01	\$ 30.21	\$ 18.70	\$ 11.51
ELK WA01	\$ 30.21	\$ 18.70	\$ 11.51
OTHEWA01	\$ 30.21	\$ 18.70	\$ 11.51
OMAKWA01	\$ 30.21	\$ 18.70	\$ 11.51
HDPTWA01	\$ 30.21	\$ 18.70	\$ 11.51
CSRKWA01	\$ 30.21	\$ 18.70	\$ 11.51
CLFXWA01	\$ 30.21	\$ 18.70	\$ 11.51

ESTNWA01	\$ 30.21	\$ 18.70	\$ 11.51
CLDMWA01	\$ 30.21	\$ 18.70	\$ 11.51
WTBGWA01	\$ 30.21	\$ 18.70	\$ 11.51
WRDNWA01	\$ 30.21	\$ 18.70	\$ 11.51
DYTNWA01	\$ 30.21	\$ 18.70	\$ 11.51
JOYCWA01	\$ 30.21	\$ 18.70	\$ 11.51
SPDLWA01	\$ 68.48	\$ 18.70	\$ 49.78
PTRSWA01	\$ 68.48	\$ 18.70	\$ 49.78
NPRTWA01	\$ 68.48	\$ 18.70	\$ 49.78
PMRYWA01	\$ 68.48	\$ 18.70	\$ 49.78
CRMTWA01	\$ 68.48	\$ 18.70	\$ 49.78