

## UNBUNDLED NETWORK ELEMENT RATE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Alabama  1,894,740	BS	1	\$12.58	\$1.38	\$0.0007025	\$0.00010 Tandem Switching \$0.0003224 Common Transport
		2	\$21.05			
		3	\$34.34			
		Avg	\$17.60 *			
Alaska  170,763  44,041	ATU	1	\$14.92	\$4.27	\$0.006595	\$0.004712 Tandem Switching \$0.000416 Termination
		1	\$19.19			
	ACS	1	\$19.19	\$1.38	\$0.00203	\$0.00155 Tandem Switching \$0.00023 Common Transport
		1	\$19.19			
Arizona  2,713,114	QW	1	\$9.05	<b>\$1.61</b>	\$0.0009695	\$0.000550 Tandem Switching <b>\$0.0008236</b> Common Transport
		2	\$14.84			
		3	\$36.44			
		Avg	\$12.12			
Arkansas  986,362	SBC	3	\$11.86	\$1.61	\$0.001310 \$0.001690 \$0.002530	\$0.000789 Tandem Switching \$0.000157-\$0.000196 Common Transport
		2	\$13.64			
		1	\$23.34			
		Avg	<b>\$13.88</b>			
California  17,708,228	SBC	1	\$8.24	\$0.83	\$0.00175 Set Up \$0.000550 Originating 0.00208 Set Up \$0.000550 Terminating	\$0.00023 Set Up \$0.000130 Tandem Switching \$0.00120 Common Transport
		2	\$11.19			
		3	\$19.69			
		Avg	<b>\$9.98</b>			
Colorado  2,667,934	QW	1	\$5.91	\$1.15	\$0.00161	\$0.00069 Tandem Switching \$0.00111 Common Transport
		2	\$12.31			
		3	\$32.74			
		Avg	\$15.85			
Connecticut  2,297,099	SBC	1A	\$8.95	\$3.31	\$0.007151 On-Net** \$0.003576 Off-Net	\$0.001984 Tandem Switching
		B	\$12.03			
		C	\$13.28			
		D	\$19.69			
Avg	\$12.49					

\*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

\*\* On-Net rate charged only on originating minutes.

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
<b>D.C.</b> ** 897,193	VZ	1	\$8.49	\$1.55	\$0.00300	<b>\$0.00253</b> <b>Tandem Switching</b> <b>\$0.000405 fixed</b> <b>\$0.000005 per mile</b> <b>Common Transport</b>
Delaware 580,535	VZ	1 2 3 Avg	\$10.07 \$13.13 \$16.67 \$12.03	\$2.23	\$0.002507 Originating \$0.001330 Terminating	\$0.0006688 Tandem Switching \$0.0001221 fixed \$0.000002 per mile Common Transport
Florida 6,456,849	BS	1 2 3 Avg	\$10.69 \$15.20 \$26.97 \$15.27 *	\$1.40  \$3.66 w/all features *	\$0.0007662	\$0.0001319 Tandem Switching \$0.0004372 Common Transport
Georgia 4,030,955	BS	1 2 3 Avg	\$10.51 \$15.85 \$31.97 \$13.70 *	\$1.09  \$1.87 w/all features *	\$0.0006153	\$0.0000972 Tandem Switching \$0.0001914 Common Transport
Hawaii 706,080	VZ	Oahu Maui Hawaii	\$10.44 \$17.23 \$21.91	\$2.69	\$0.0076074	\$0.0012572 Tandem Switching \$0.0002710 Common Transport
Idaho 541,034	QW	1 2 3 Avg	\$15.65 \$23.76 \$40.50 \$20.21	\$1.34	\$0.001343	\$0.00069 Tandem Switching \$0.00111 Common Transport
Illinois 6,751,592	SBC	A B C Avg	<b>\$5.17</b> <b>\$12.40</b> <b>\$14.91</b> <b>\$13.38</b>	\$2.18	Included in port rate	\$0.000215 Tandem Switching \$0.000415 Shared Transport
Indiana 2,294,599	SBC	3 2 1 Avg	\$12.00 \$12.50 \$11.50 <b>\$11.97</b>	\$2.98	Included in port rate	\$0.000295 Tandem Switching \$0.000823 Shared Transport
Iowa 1,069,497	QW	1 2 3 Avg	\$12.69 \$15.14 \$26.39 \$15.94	\$1.15	\$0.001558	\$0.00069 Tandem Switching \$0.00111 Common Transport

\*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

\*\* Rates currently available per 271 agreement.

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
<b>Kansas</b>  1,305,416	SBC	3	\$11.86	\$1.61	\$0.00131	\$0.000789 Tandem Switching \$0.000157-\$0.000196 Common Transport
		2	\$13.64			
		1	\$23.34			
		Avg	<b>\$13.73</b>			
Kentucky  1,195,542	BS	1	\$10.56	\$1.49	\$0.001197	\$0.0001940 Tandem Switching \$0.0007466 Common Transport
		2	\$15.34			
		3	\$31.11			
		Avg	\$18.04 *			
Louisiana  2,303,388	BS	1	\$12.90	\$1.52	\$0.001868	\$0.0001067 Tandem Switching \$0.0003748 Common Transport
		2	\$23.33			
		3	\$48.43			
		Avg	\$17.30 *			
Maine  724,201	VZ	1	\$11.44	\$0.94	\$0.00168	\$0.001221 Tandem Switching \$0.001498 Day \$0.000398 Eve \$0.000000 Night & Weekend Common Transport
		2	\$13.47			
		3	\$18.75			
		Avg	\$16.19			
Maryland  3,835,943	VZ	A1	\$9.51	\$1.32	\$0.001243 Originating \$0.001090 Terminating	\$0.000233 Tandem Switching \$0.000113 fixed \$0.000001 per mile Common Transport
		A2	\$9.55			
		B1	\$20.57			
		B2	\$13.56			
Avg	\$11.26					
Massachusetts  4,185,130	VZ	1	\$10.81	\$2.22	\$0.000825 Originating \$0.000724 Terminating	\$0.000043 Tandem Switching \$0.000715 Common Transport
		2	\$11.37			
		3	\$15.41			
		4	\$24.32			
Avg	\$13.93					
<b>Michigan</b>  5,252,321	SBC	A	\$8.47	\$2.53	\$0.000522	\$0.000191 Tandem Switching \$0.00073 Shared Transport
		B	\$8.73			
		C	\$12.54			
		Avg	<b>\$10.13</b>			
Minnesota  2,133,873	QW	1	\$5.83	\$3.12	Included in port rate	\$0.00112 Tandem Switching \$0.00065 Common Transport
		2	\$8.95			
		3	\$10.62			
		4	\$15.66			
Avg	\$12.86					
Mississippi  1,311,913	BS	1	\$12.03	\$1.41	\$0.0010269	\$0.0001723 Tandem Switching \$0.0004541 Common Transport
		2	\$16.87			
		3	\$25.68			
		4	\$43.85			
Avg	\$23.12 *	\$3.97 w/all features *				

\*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
<b>Missouri</b>    2,589,570	SBC	1	\$12.71	\$1.74	\$0.001620	\$0.001231
		2	\$18.64	\$1.97	\$0.001949	Tandem Switching
		3	\$19.74	\$2.47	\$0.002807	\$0.000132 - \$0.000246
		4	\$16.41	\$2.25	\$0.002391	Common Transport
		Avg	<b>\$15.66</b>	<b>\$1.95</b>	<b>\$0.001941</b>	
<b>Montana</b>    363,764	QW	1	\$23.10	\$1.58	\$0.001574	\$0.000690
		2	\$23.90			Tandem Switching
		3	\$27.13			\$0.001110
		4	\$29.29			Common Transport
		Avg	<b>\$23.98</b>			
<b>Nebraska</b>    428,546	QW	1	\$12.14	\$2.47	\$0.00126	\$0.00069
		2	\$28.11			Tandem Switching
		3	\$62.50			\$0.001110
		Avg	<b>\$17.51</b>			Common Transport
<b>Nevada</b>    381,785	SBC	1	\$11.77	\$1.63	\$0.00161	\$0.00171
		2	\$22.64			Tandem Switching
		3	\$66.25			\$0.00727
		Avg	<b>\$20.72</b>			Common Transport
New Hampshire    754,277	VZ	1	\$11.97	\$0.71	<b>\$0.002425</b> Day	\$0.000774-\$0.000684
		2	\$16.04		\$0.003199 Eve	Tandem Switching
		3	\$25.00		\$0.001343 Night	\$0.000714-\$0.000000
		Avg	\$16.21			Common Transport
<b>New Jersey</b>    6,386,976	VZ	1	<b>\$8.81</b>	<b>\$2.72</b>	<b>\$0.001399</b>	<b>\$0.000772</b>
		2	<b>\$10.42</b>		Originating	<b>Tandem Switching</b>
		3	<b>\$11.82</b>		<b>\$0.001364</b>	<b>\$0.000093 Fixed</b>
		Avg	<b>\$10.32</b>		Terminating	<b>\$0.000006 per mile</b>
						<b>Common Transport</b>
New Mexico    840,470	QW	1	\$16.04	\$1.38	\$0.0011083	\$0.001616
		2	\$18.34			Tandem Switching
		3	\$23.70			\$0.0001252
		Avg	\$18.52			Common Transport
New York    11,402,671	VZ	1	\$7.70	\$4.57	\$0.001147	\$0.000203
		2	\$11.31		Originating	Tandem Switching
		3	\$15.51		\$0.00111	\$0.000939
		Avg	\$11.49		Terminating	Common Transport
North Carolina    2,448,542	BS	1	\$12.11	\$2.19	\$0.001500	\$0.0006
		2	\$21.24			Tandem Switching
		3	\$33.65			\$0.00034
		Avg	\$15.88			Common Transport
			*	*		

\*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
North Dakota  201,794	QW	1	\$13.53	\$1.27	\$0.001475	\$0.00069 Tandem Switching \$0.00110 Common Transport
		2	\$22.80			
		3	\$51.65			
		Avg	\$16.28			
Ohio  4,044,673	SBC	B	<b>\$8.84</b>	\$4.61	\$0.000779	\$0.000213 Tandem Switching \$0.000629 Common Transport
		C	<b>\$10.38</b>			
		D	<b>\$11.43</b>			
		Avg	<b>\$10.64</b>			
Oklahoma  1,567,762	SBC	3	\$12.14	\$2.18	<b>\$0.002268</b>	\$0.000956 Tandem Switching \$0.000266 - \$0.000499 Common Transport
		2	\$13.65			
		1	\$26.25			
		Avg	<b>\$16.24</b>			
Oregon  1,367,142	QW	1	\$13.95	\$1.14	\$0.001330	\$0.00069 Tandem Switching \$0.001040 Common Transport
		2	\$25.20			
		3	\$56.21			
		Avg	\$15.00			
Pennsylvania**  5,992,020	VZ	1	<b>\$6.77</b>	<b>\$1.68</b>	<b>\$0.001373</b>	<b>\$0.000120</b> <b>Tandem Switching</b> <b>\$0.000206 fixed</b> <b>\$0.000010 per mile</b> <b>Common Transport</b>
		2	<b>\$9.25</b>			
		3	<b>\$12.39</b>			
		4	<b>\$22.39</b>			
		Avg	<b>\$13.76</b>			
Rhode Island  595,651	VZ	1	\$11.19	\$1.86	\$0.001358 Originating \$0.001192 Terminating	\$0.000274 Tandem Switching \$0.001050 Common Transport
		2	\$15.44			
		3	\$19.13			
		Avg	\$13.93			
South Carolina  1,464,191	BS	1	\$14.94	\$1.65	\$0.0010519	\$0.0001634 Tandem Switching \$0.0004095 Common Transport
		2	\$21.39			
		3	\$26.72			
		Avg	\$17.60 *			
South Dakota  240,762	QW	1	\$15.20	\$1.84	\$0.000702	\$0.000690 Tandem Switching \$0.001388 Common Transport
		2	\$16.56			
		3	\$21.77			
		Avg	\$18.84			
Tennessee  2,582,666	BS	1	\$11.74	\$1.89	\$0.0008041	\$0.0009778 Tandem Switching \$0.00038 Common Transport
		2	\$17.59			
		3	\$29.37			
		Avg	\$14.92 *			

\*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

\*\* Rates effective October 1, 2004.

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
<b>Texas</b>    9,747,649	SBC	3	\$12.14	\$1.58	\$0.0014244	\$0.000794
		2	\$13.65	\$2.47	\$0.0012691	Tandem Switching
		1	\$18.98	\$3.05	\$0.0011973	\$0.000123-\$0.000144
				\$4.21	\$0.0021160	Common Transport
		Avg	<b>\$14.25</b>	<b>\$2.22</b>	<b>\$0.0014386</b>	
<b>Utah</b>    1,017,668	QW	1	<b>\$11.33</b>	<b>\$3.56</b>	<b>Included in port rate</b>	\$0.000671-\$0.000694
		2	<b>\$12.22</b>	Tandem Switching		
		3	<b>\$19.57</b>	\$0.001039		
				Common Transport		
		Avg	<b>\$12.97</b>			
<b>Vermont</b>    356,688	VZ	1	\$7.72	\$1.03	\$0.004003	\$0.000921
		2	\$8.35			Tandem Switching
		3	\$21.63			<b>\$0.000917</b>
						<b>Common Transport</b>
		Avg	\$14.41			
Virginia    3,457,759	VZ	1	\$11.89	\$2.83	Included in port rate	\$0.000020
		2	\$15.26	Tandem Switching		
		3	\$28.43	\$0.000054 fixed		
				\$0.000005 per mile		
		Avg	\$14.43			Common Transport
<b>Washington</b>    2,390,156	QW	1	\$6.05	\$1.34	\$0.001178	\$0.00069
		2	\$10.99			Tandem Switching
		3	\$12.40			\$0.000760
		4	\$13.95			Common Transport
		5	\$18.70			
			Avg	<b>\$14.44</b> *		
West Virginia    846,247	VZ	1	\$14.49	\$1.60	\$0.002586	\$0.0002394
		2	\$22.04		Originating	Tandem Switching
		3	\$35.00		\$0.002505	\$0.00067
		4	\$43.44		Terminating	Common Transport
			Avg	\$20.41		
<b>Wisconsin</b>    2,057,391	SBC	A	\$9.51	\$2.83	Included in port rate	\$0.000229
		B	\$10.87	Tandem Switching		
		C	\$15.25	\$0.000646		
				Shared Transport		
		Avg.	<b>\$10.21</b>			
Wyoming    253,233	QW	BRA	\$19.91	\$2.64	\$0.000920	\$0.000690
		1	\$26.94			Tandem Switching
		2	\$30.13			\$0.001110
		3	\$40.98			Common Transport
			Avg	\$23.39		

\*Stand-alone rates. Loop and port combination rates used in UNE-P shown on Table 1A.

Note: Access line data from NECA USF submission to FCC, dated October 1, 2003.

**UNE COMBINATION RATES**

Rates Effective When Used As Part of Loop/Port Combination or UNE-P

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
Alabama  1,894,740	BS	1	\$11.55	\$1.15	\$0.0007025	\$0.00010 Tandem Switching \$0.00032 Common Transport
		2	\$20.04			
		3	\$33.65			
		Avg	\$16.66	\$3.13 w/ all features		
Florida  6,456,849	BS	1	\$9.77	\$1.17	\$0.000766	\$0.0001319 Tandem Switching \$0.0004372 Termination
		2	\$13.88			
		3	\$24.63			
		Avg	\$13.95	\$3.43 w/ all features		
Georgia  4,030,955	BS	1	\$9.56	\$0.9019	\$0.000615	\$0.0000972 Tandem Switching \$0.0001914 Common Transport
		2	\$14.86			
		3	\$31.66			
		Avg	\$12.82	\$1.68 w/ all features		
Kentucky  1,195,542	BS	1	\$9.64	\$1.15	\$0.001197	\$0.000194 Tandem Switching \$0.0007466 Common Transport
		2	\$14.37			
		3	\$30.59			
		Avg	\$17.26			
Louisiana  2,303,388	BS	1	\$11.77	\$1.36	\$0.001868	\$0.0001067 Tandem Switching \$0.0003748 Common Transport
		2	\$22.39			
		3	\$48.26			
		Avg	\$16.24			
Mississippi  1,311,913	BS	1	\$10.99	\$1.23	\$0.0010269	\$0.0001723 Tandem Switching \$0.0004541 Common Transport
		2	\$15.90			
		3	\$25.03			
		4	\$43.68			
		Avg	\$22.37	\$3.79 w/ all features		

**UNE COMBINATION RATES**

Rates Effective When Used As Part of Loop/Port Combination or UNE-P

Updated August 2004

State Access Lines	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per MOU)	Tandem Switching and Transport (per MOU)
New York  11,402,671	VZ	1	\$7.70	\$2.57	\$0.001147 Originating \$0.001110 Terminating	\$0.000481 Tandem Switching \$0.000939 Common Transport
		2	\$11.31			
		3	\$15.51			
		Avg	\$11.49			
North Carolina  2,448,542	BS	1	\$10.75	\$2.28	\$0.00150	\$0.00060 Tandem Switching \$0.00034 Common Transport
		2	\$19.05			
		3	\$30.33			
		Avg	\$14.18			
South Carolina  1,464,191	BS	1	\$13.76	\$1.13	\$0.0010519	\$0.0001634 Tandem Switching \$0.0004095 Common Transport
		2	\$20.38			
		3	\$26.04			
		Avg	\$16.51	\$4.17 w/ all features		
Tennessee  2,582,666	BS	1	\$11.11	\$1.70	\$0.0008041	\$0.0009778 Tandem Switching \$0.0003871 Common Transport
		2	\$16.65			
		3	\$27.80			
		Avg	\$14.12			
Washington  2,390,156	QW	1	<b>\$5.86</b>	\$1.34	\$0.001178	\$0.00069 Tandem Switching \$0.000760 Common Transport
		2	<b>\$10.80</b>			
		3	<b>\$12.21</b>			
		4	<b>\$13.76</b>			
		5	<b>\$18.51</b>			
		Avg	<b>\$14.25</b>			

Note: Access line data from NECA USF submission to FCC, dated October 1, 2003.

### UNE RATE/REVENUE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Alabama	BS	1	\$11.55	\$1.15	\$0.70	\$13.40	\$52.84	25.4%
		2	\$20.04			\$21.89		41.4%
		3	\$33.65			\$35.50		67.2%
		Avg	\$16.66					
Alaska	ATU	1	\$14.92	\$4.27	\$6.60	\$25.79	n/a	n/a
	ACS	1	\$19.19	\$1.38	\$2.03	\$22.60		
Arizona	QW	1	\$9.05	<b>\$1.61</b>	\$0.97	\$11.63	\$42.84	27.1%
		2	\$14.84			\$17.42		40.7%
		3	\$36.44			\$39.02		91.1%
		Avg	\$12.12					
Arkansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$46.09	32.1%
		2	\$13.64		\$1.69	\$16.94		36.8%
		1	\$23.34		\$2.53	\$27.48		59.6%
		Avg	<b>\$13.88</b>		<b>\$1.66</b>			
California	SBC	1	\$8.24	\$0.83	\$0.74	\$9.81	\$32.92	29.8%
		2	\$11.19			\$12.76		38.8%
		3	\$19.69			\$21.26		64.6%
		Avg	<b>\$9.98</b>					
Colorado	QW	1	\$5.91	\$1.15	\$1.61	\$8.67	\$55.22	15.7%
		2	\$12.31			\$15.07		27.3%
		3	\$32.74			\$35.50		64.3%
		Avg	\$15.85					
Connecticut	SBC	1A	\$8.95	\$3.31	\$3.58*	\$15.84	\$39.68	39.9%
		B	\$12.03			\$18.92		47.7%
		C	\$13.28			\$20.17		50.8%
		D	\$19.69			\$26.58		67.0%
		Avg	\$12.49					
D.C.	VZ	1	\$8.49	\$1.55	\$3.00	\$13.04	\$37.62	34.7%

\* Assumes MOU 75% On-Net, 25% Off-Net

## Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Delaware	VZ	1	\$10.07	\$2.23	\$1.92	\$14.22	\$36.46	39.0%
		2	\$13.13			\$17.28		47.4%
		3	\$16.67			\$20.82		57.1%
		Avg	\$12.03					
Florida	BS	1	\$9.77	\$1.17	\$0.77	\$11.71	\$41.16	28.4%
		2	\$13.88			\$15.82		38.4%
		3	\$24.63			\$26.57		64.6%
		Avg	\$13.95					
Georgia	BS	1	\$9.56	\$0.90	\$0.61	\$11.07	\$54.31	20.4%
		2	\$14.86			\$16.37		30.1%
		3	\$31.66			\$33.17		61.1%
		Avg	\$12.82					
Hawaii	VZ	Oahu	\$10.44	\$2.69	\$7.61	\$20.74	\$44.73	46.4%
		Maui	\$17.23			\$27.53		61.5%
		Hawaii	\$21.91			\$32.21		72.0%
Idaho	QW	1	\$15.65	\$1.34	\$1.34	\$18.33	\$42.55	43.1%
		2	\$23.76			\$26.44		62.1%
		3	\$40.50			\$43.18		101.5%
		Avg	\$20.21					
Illinois	SBC	A	<b>\$5.17</b>	\$2.18 Port rate includes unlimited switching	n/a	\$7.35	\$35.78	20.5%
		B	<b>\$12.40</b>			\$14.58		40.7%
		C	<b>\$14.91</b>			\$17.09		47.8%
		Avg	<b>\$13.38</b>					
Indiana	SBC	3	\$12.00	\$2.98 Port rate includes unlimited switching	n/a	\$14.98	\$39.48	37.9%
		2	\$12.50			\$15.48		39.2%
		1	\$11.50			\$14.48		36.7%
		Avg	<b>\$11.97</b>					
Iowa	QW	1	\$12.69	\$1.15	\$1.56	\$15.40	\$36.25	42.5%
		2	\$15.14			\$17.85		49.2%
		3	\$26.39			\$29.10		80.3%
		Avg	\$15.94					

## Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
<b>Kansas</b>	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$42.66	34.6%
		2	\$13.64		\$1.69	\$16.94		39.7%
		1	\$23.34		\$2.53	\$27.48		64.4%
		Avg	<b>\$13.73</b>		<b>\$1.57</b>			
Kentucky	BS	1	\$9.64	\$1.15	\$1.20	\$11.99	\$45.90	26.1%
		2	\$14.37			\$16.72		36.4%
		3	\$30.59			\$32.94		71.8%
		Avg	\$17.26					
Louisiana	BS	1	\$11.77	\$1.36	\$1.87	\$15.00	\$54.62	27.5%
		2	\$22.39			\$25.62		46.9%
		3	\$48.26			\$51.49		94.3%
		Avg	\$16.24					
Maine	VZ	1	\$11.44	\$0.94	\$1.68	\$14.06	\$40.67	34.6%
		2	\$13.47			\$16.09		39.6%
		3	\$18.75			\$21.37		52.5%
		Avg	\$16.19					
Maryland	VZ	A1	\$9.51	\$1.32	\$1.17	\$12.00	\$39.76	30.2%
		A2	\$9.55			\$12.04		30.3%
		B1	\$20.57			\$23.06		58.0%
		B2	\$13.56			\$16.05		40.4%
		Avg	\$11.26					
Massachusetts	VZ	1	\$10.81	\$2.22	\$0.77	\$13.80	\$36.46	37.8%
		2	\$11.37			\$14.36		39.4%
		3	\$15.41			\$18.40		50.5%
		4	\$24.32			\$27.31		74.9%
		Avg	\$13.93					
<b>Michigan</b>	SBC	A	\$8.47	\$2.53	\$0.52	\$11.52	\$34.42	33.5%
		B	\$8.73			\$11.78		34.2%
		C	\$12.54			\$15.59		45.3%
		Avg	<b>\$10.13</b>					
Minnesota	QW	1	\$5.83	\$3.12 Port rate includes unlimited switching	n/a	\$8.95	\$39.79	22.5%
		2	\$8.95			\$12.07		30.3%
		3	\$10.62			\$13.74		34.5%
		4	\$15.66			\$18.78		47.2%
		Avg	\$12.86					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Mississippi	BS	1	\$10.99	\$1.23	\$1.03	\$13.25	\$66.98	19.8%
		2	\$15.90			\$18.16		27.1%
		3	\$25.03			\$27.29		40.7%
		4	\$43.68			\$45.94		68.6%
		Avg	\$22.37					
Missouri	SBC	1	\$12.71	\$1.74	\$1.62	\$16.07	\$39.75	40.4%
		2	\$18.64	\$1.97	\$1.95	\$22.56		56.8%
		3	\$19.74	\$2.47	\$2.81	\$25.02		62.9%
		4	\$16.41	\$2.25	\$2.39	\$21.05		53.0%
		Avg	<b>\$15.66</b>	<b>\$1.95</b>	<b>\$1.94</b>			
Montana	QW	1	\$23.10	\$1.58	\$1.57	\$26.25	\$44.73	58.7%
		2	\$23.90			\$27.05		60.5%
		3	\$27.13			\$30.28		67.7%
		4	\$29.29			\$32.44		72.5%
		Avg	<b>\$23.98</b>					
Nebraska	QW	1	\$12.14	\$2.47	\$1.26	\$15.87	\$53.96	29.4%
		2	\$28.11			\$31.84		59.0%
		3	\$62.50			\$66.23		122.7%
		Avg	<b>\$17.51</b>					
Nevada	SBC	1	\$11.77	\$1.63	\$1.61	\$15.01	\$35.51	42.3%
		2	\$22.64			\$25.88		72.9%
		3	\$66.25			\$69.49		195.7%
		Avg	<b>\$20.72</b>					
New Hampshire	VZ	1	\$11.97	\$0.71	\$2.44	\$15.12	\$35.37	42.7%
		2	\$16.04			\$19.19		54.3%
		3	\$25.00			\$28.15		79.6%
		Avg	\$16.21					
New Jersey	VZ	1	<b>\$8.81</b>	<b>\$2.72</b>	<b>\$2.76</b>	\$14.29	\$31.57	45.3%
		2	<b>\$10.42</b>			\$15.90		50.4%
		3	<b>\$11.82</b>			\$17.30		54.8%
		Avg	<b>\$10.32</b>					

## Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
New Mexico	QW	1	\$16.04	\$1.38	\$1.11	\$18.53	\$42.67	43.4%
		2	\$18.34			\$20.83		48.8%
		3	\$23.70			\$26.19		61.4%
		Avg	\$18.52					
New York	VZ	1	\$7.70	\$2.57	\$1.13	\$11.40	\$45.24	25.2%
		2	\$11.31			\$15.01		33.2%
		3	\$15.51			\$19.21		42.5%
		Avg	\$11.49					
North Carolina	BS	1	\$10.75	\$2.28	\$1.50	\$14.53	\$45.62	31.9%
		2	\$19.05			\$22.83		50.0%
		3	\$30.33			\$34.11		74.8%
		Avg	\$14.18					
North Dakota	QW	1	\$13.53	\$1.27	\$1.48	\$16.28	\$45.59	35.7%
		2	\$22.80			\$25.55		56.0%
		3	\$51.65			\$54.40		119.3%
		Avg	\$16.28					
Ohio	SBC	B	<b>\$8.84</b>	\$4.61	\$0.78	\$14.23	\$40.97	34.7%
		C	<b>\$10.38</b>			\$15.77		38.5%
		D	<b>\$11.43</b>			\$16.82		41.1%
		Avg	<b>\$10.64</b>					
Oklahoma	SBC	3	\$12.14	\$2.18	<b>\$2.27</b>	\$16.59	\$43.06	38.5%
		2	\$13.65	\$2.21	<b>\$2.52</b>	\$18.38		42.7%
		1	\$26.25	\$2.58	<b>\$3.80</b>	\$32.63		75.8%
		Avg	<b>\$16.24</b>	<b>\$2.29</b>	<b>\$2.72</b>			
Oregon	QW	1	\$13.95	\$1.14	\$1.33	\$16.42	\$40.81	40.2%
		2	\$25.20			\$27.67		67.8%
		3	\$56.21			\$58.68		143.8%
		Avg	\$15.00					
Pennsylvania **	VZ	1	<b>\$6.77</b>	<b>\$1.68</b>	<b>\$2.55</b>	\$11.00	\$33.56	32.8%
		2	<b>\$9.25</b>			\$13.48		40.2%
		3	<b>\$12.39</b>			\$16.62		49.5%
		4	<b>\$22.39</b>			\$26.62		79.3%
		Avg	<b>\$13.76</b>					

\*\* Rates effective October 1, 2004

## Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
Rhode Island	VZ	1	\$11.19	\$1.86	\$1.28	\$14.33	\$35.12	40.8%
		2	\$15.44			\$18.58		52.9%
		3	\$19.13			\$22.27		63.4%
		Avg	\$13.93					
South Carolina	BS	1	\$13.76	\$1.13	\$1.05	\$15.94	\$53.78	29.6%
		2	\$20.38			\$22.56		41.9%
		3	\$26.04			\$28.22		52.5%
		Avg	\$16.51					
South Dakota	QW	1	\$15.20	\$1.84	\$0.70	\$17.74	\$41.75	42.5%
		2	\$16.56			\$19.10		45.7%
		3	\$21.77			\$24.31		58.2%
		Avg	\$18.84					
Tennessee	BS	1	\$11.11	\$1.70	\$0.80	\$13.61	\$49.25	27.6%
		2	\$16.65			\$19.15		38.9%
		3	\$27.80			\$30.30		61.5%
		Avg	\$14.12					
<b>Texas</b>	SBC	3	\$12.14	\$1.58	\$1.42	\$15.14	\$46.02	32.9%
		2	\$13.65	\$2.47	\$1.20	\$17.54		38.1%
		1	\$18.98	\$4.21	\$2.12	\$24.61		53.5%
		Avg	<b>\$14.25</b>	<b>\$2.22</b>	<b>\$1.44</b>			
<b>Utah</b>	QW	1	<b>\$11.33</b>	<b>\$3.56</b> Port rate includes unlimited switching	n/a	\$14.89	\$44.36	33.6%
		2	<b>\$12.22</b>			\$15.78		35.6%
		3	<b>\$19.57</b>			\$23.13		52.1%
		Avg	<b>\$12.97</b>					
Vermont	VZ	1	\$7.72	\$1.03	\$4.00	\$12.75	\$43.84	29.1%
		2	\$8.35			\$13.38		30.5%
		3	\$21.63			\$26.66		60.8%
		Avg	\$14.41					
Virginia	VZ	1	\$11.89	\$2.83 Port rate includes unlimited switching	\$0.00	\$14.72	\$39.81	37.0%
		2	\$15.26			\$18.09		45.4%
		3	\$28.43			\$31.26		78.5%
		Avg	\$14.43					

## Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Revenue/line (per Month)	Percentage
<b>Washington</b>	QW	1	<b>\$5.86</b>	\$1.34	\$1.18	\$8.38	\$40.48	20.7%
		2	<b>\$10.80</b>			\$13.32		32.9%
		3	<b>\$12.21</b>			\$14.73		36.4%
		4	<b>\$13.76</b>			\$16.28		40.2%
		5	<b>\$18.51</b>			\$21.03		52.0%
		Avg	<b>\$14.25</b>					
West Virginia	VZ	1	\$14.49	\$1.60	\$2.55	\$18.64	\$48.93	38.1%
		2	\$22.04			\$26.19		53.5%
		3	\$35.00			\$39.15		80.0%
		4	\$43.44			\$47.59		97.3%
		Avg	\$20.41					
<b>Wisconsin</b>	SBC	A	\$9.51	\$2.83 Port rate includes unlimited switching	n/a	\$12.34	\$40.32	30.6%
		B	\$10.87			\$13.70		34.0%
		C	\$15.25			\$18.08		44.8%
		Avg.	<b>\$10.21</b>					
Wyoming	QW	BRA	\$19.91	\$2.64	\$0.92	\$23.47	\$50.64	46.3%
		1	\$26.94			\$30.50		60.2%
		2	\$30.13			\$33.69		66.5%
		3	\$40.98			\$44.54		88.0%
		Avg	\$23.39					

## NOTES:

1. Monthly cost of switching based on usage of 1,000 minutes per month. In states with on-peak/off-peak pricing or originating/terminating pricing, the 1,000 minutes were allocated 50/50. In states with day/evening/ night pricing, the 1,000 minutes were allocated 50/30/20. In states with per call or set up rates, it was assumed there were 100 calls per month.
2. The Total Cost column is the sum of monthly unbundled loop, port and switching. Because of the widely varying rate designs for transport for each state, transport costs are not included. However, the reader is cautioned that a complete UNE platform to provide local service would also include transport costs.
3. Average revenue per line is taken from the FCC's Trends in Telephone Service, May 2004, Tables 7.2 and 15.7. The revenue per line is an average of all incumbent local exchange and subscriber line charge revenue, business and residence.
4. The Percentage column is the Total Cost column divided by Average Revenue/line.

## UNE RATE/RESIDENTIAL RATE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Alabama	BS	1	\$11.55	\$1.15	\$0.73	\$13.43	\$26.72	50.3%
		2	\$20.04			\$21.92		82.0%
		3	\$33.65			\$35.53		133.0%
		Avg	\$16.66					
Alaska	ATU	1	\$14.92	\$4.27	\$6.60	\$25.79	\$21.46	120.2%
Arizona	QW	1	\$9.05	<b>\$1.61</b>	\$0.97	\$11.63	\$23.35	49.8%
		2	\$14.84			\$17.42		74.6%
		3	\$36.44			\$39.02		167.1%
		Avg	\$12.12					
Arkansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$25.86	57.2%
		2	\$13.64		\$1.69	\$16.94		65.5%
		1	\$23.34		\$2.53	\$27.48		106.3%
		Avg	<b>\$13.88</b>		<b>\$1.66</b>			
California	SBC	1	\$8.24	\$0.83	\$0.74	\$9.81	\$17.81	55.1%
		2	\$11.19			\$12.76		71.6%
		3	\$19.69			\$21.26		119.4%
		Avg	<b>\$9.98</b>					
Colorado	QW	1	\$5.91	\$1.15	\$1.61	\$8.67	\$26.19	33.1%
		2	\$12.31			\$15.07		57.5%
		3	\$32.74			\$35.50		135.5%
		Avg	\$15.85					
Connecticut	SBC	1A	\$8.95	\$3.31	\$3.58*	\$15.84	\$21.19	74.8%
		B	\$12.03			\$18.92		89.3%
		C	\$13.28			\$20.17		95.2%
		D	\$19.69			\$26.58		125.4%
		Avg	\$12.49					
D.C.	VZ	1	\$8.49	\$1.55	\$3.00	\$13.04	\$21.58	60.4%

\* Assumes MOU 75% On-Net, 25% Off-Net

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Delaware	VZ	1	\$10.07	\$2.23	\$1.92	\$14.22	\$17.92	79.4%
		2	\$13.13			\$17.28		96.4%
		3	\$16.67			\$20.82		112.1%
		Avg	\$12.03					
Florida	BS	1	\$9.77	\$1.17	\$0.77	\$11.71	\$20.98	55.8%
		2	\$13.88			\$15.82		75.4%
		3	\$24.63			\$26.57		126.6%
		Avg	\$13.95					
Georgia	BS	1	\$9.56	\$0.90	\$0.62	\$11.08	\$29.50	37.6%
		2	\$14.86			\$16.38		55.5%
		3	\$31.66			\$33.18		112.5%
		Avg	\$12.82					
Hawaii	VZ	Oahu	\$10.44	\$2.69	\$7.61	\$20.74	\$24.98	83.0%
		Maui	\$17.23			\$27.53		110.2%
		Hawaii	\$21.91			\$32.21		128.9%
Idaho	QW	1	\$15.65	\$1.34	\$1.34	\$18.33	\$24.52	74.8%
		2	\$23.76			\$26.44		107.8%
		3	\$40.50			\$43.18		176.1%
		Avg	\$20.21					
Illinois	SBC	A	<b>\$5.17</b>	\$2.18	n/a	\$7.35	\$22.34	32.9%
		B	<b>\$12.40</b>			\$14.58		65.3%
		C	<b>\$14.91</b>			\$17.09		76.5%
		Avg	<b>\$13.38</b>					
Indiana	SBC	3	\$12.00	\$2.98	n/a	\$14.98	\$20.17	74.3%
		2	\$12.50			\$15.48		76.7%
		1	\$11.50			\$14.48		71.8%
		Avg	<b>\$11.97</b>					
Iowa	QW	1	\$12.69	\$1.15	\$1.56	\$15.40	\$18.03	85.4%
		2	\$15.14			\$17.85		104.6%
		3	\$26.39			\$29.10		180.9%
		Avg	\$15.94					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
<b>Kansas</b>	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$19.53	75.7%
		2	\$13.64		\$1.69	\$16.94		86.7%
		1	\$23.34		\$2.53	\$27.48		140.7%
		Avg	\$13.73		\$1.84			
Kentucky	BS	1	\$9.64	\$1.15	\$1.20	\$11.99	\$29.02	41.3%
		2	\$14.37			\$16.72		57.6%
		3	\$30.59			\$32.94		113.5%
		Avg	\$17.26					
Louisiana	BS	1	\$11.77	\$1.36	\$1.87	\$15.00	\$23.61	63.5%
		2	\$22.39			\$25.62		108.5%
		3	\$48.26			\$51.49		218.1%
		Avg	\$16.24					
Maine	VZ	1	\$11.44	\$0.94	\$1.68	\$14.06	\$27.32	51.5%
		2	\$13.47			\$16.09		58.9%
		3	\$18.75			\$21.37		78.2%
		Avg	\$16.19					
Maryland	VZ	A1	\$9.51	\$1.32	\$1.17	\$12.00	\$26.94	44.5%
		A2	\$9.55			\$12.04		44.7%
		B1	\$20.57			\$23.06		85.6%
		B2	\$13.56			\$16.05		59.6%
		Avg	\$11.26					
Massachusetts	VZ	1	\$10.81	\$2.22	\$0.77	\$13.80	\$29.51	46.8%
		2	\$11.37			\$14.36		48.7%
		3	\$15.41			\$18.40		62.4%
		4	\$24.32			\$27.31		92.5%
		Avg	\$13.93					
<b>Michigan</b>	SBC	A	\$8.47	\$2.53	\$0.52	\$11.52	\$27.34	42.1%
		B	\$8.73			\$11.78		43.1%
		C	\$12.54			\$15.59		57.0%
		Avg	<b>\$10.13</b>					
Minnesota	QW	1	\$5.83	\$3.12 Port rate includes unlimited switching	n/a	\$8.95	\$23.39	38.3%
		2	\$8.95			\$12.07		51.6%
		3	\$10.62			\$13.74		58.7%
		4	\$15.66			\$18.78		80.3%
		Avg	\$12.86					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Mississippi	BS	1	\$10.99	\$1.23	\$1.03	\$13.25	\$28.91	45.8%
		2	\$15.90			\$18.16		62.8%
		3	\$25.03			\$27.29		94.4%
		4	\$43.68			\$45.94		158.9%
		Avg	\$22.37					
Missouri	SBC	1	\$12.71	\$1.74	\$1.62	\$16.07	\$20.61	78.0%
		2	\$18.64	\$1.97	\$1.95	\$22.56		109.5%
		3	\$19.74	\$2.47	\$2.81	\$25.02		121.4%
		4	\$16.41	\$2.25	\$2.39	\$21.05		102.1%
		Avg	<b>\$15.66</b>	<b>\$1.95</b>	<b>\$1.94</b>			
Montana	QW	1	\$23.10	\$1.58	\$1.57	\$26.25	\$26.71	98.3%
		2	\$23.90			\$27.05		101.3%
		3	\$27.13			\$30.28		113.4%
		4	\$29.29			\$32.44		121.5%
		Avg	<b>\$23.98</b>					
Nebraska	QW	1	\$12.14	\$2.47	\$1.26	\$15.87	\$29.35	54.1%
		2	\$28.11			\$31.84		108.5%
		3	\$62.50			\$66.23		225.7%
		Avg	<b>\$17.51</b>					
Nevada	SBC	1	\$11.77	\$1.63	\$1.61	\$15.01	\$16.46	91.2%
		2	\$22.64			\$25.88		157.2%
		3	\$66.25			\$69.49		422.2%
		Avg	<b>\$20.72</b>					
New Hampshire	VZ	1	\$11.97	\$0.71	\$2.44	\$15.12	\$22.64	66.8%
		2	\$16.04			\$19.19		89.8%
		3	\$25.00			\$28.15		147.8%
		Avg	\$16.21					
New Jersey	VZ	1	<b>\$8.81</b>	<b>\$2.72</b>	<b>\$2.76</b>	\$14.29	\$16.19	88.3%
		2	<b>\$10.42</b>			\$15.90		98.2%
		3	<b>\$11.82</b>			\$17.30		106.9%
		Avg	<b>\$10.32</b>					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage		
New Mexico	QW	1	\$16.04	\$1.38	\$1.11	\$18.53	\$24.18	76.6%		
		2	\$18.34			\$20.83		86.1%		
		3	\$23.70			\$26.19		108.3%		
		Avg	\$18.52							
New York	VZ	1	\$7.70	\$2.57	\$1.13	\$11.40	\$31.27	36.5%		
		2	\$11.31			\$15.01		48.0%		
		3	\$15.51			\$19.21		61.4%		
		Avg	\$11.49							
North Carolina	BS	1	\$10.75	\$2.28	\$1.50	\$14.53	\$23.42	62.0%		
		2	\$19.05			\$22.83		97.5%		
		3	\$30.33			\$34.11		145.6%		
		Avg	\$14.18							
North Dakota	QW	1	\$13.53	\$1.27	\$1.48	\$16.28	\$24.75	65.8%		
		2	\$22.80			\$25.55		103.2%		
		3	\$51.65			\$54.40		219.8%		
		Avg	\$16.28							
Ohio	SBC	B	<b>\$8.84</b>	\$4.61	\$0.78	\$14.23	\$21.14	67.3%		
		C	<b>\$10.38</b>			\$15.77		74.6%		
		D	<b>\$11.43</b>			\$16.82		79.6%		
		Avg	<b>\$10.64</b>							
Oklahoma	SBC	3	\$12.14	\$2.18	<b>\$2.27</b>	\$16.59	\$19.35	85.7%		
		2	\$13.65			\$2.21		<b>\$2.52</b>	\$18.38	95.0%
		1	\$26.25			\$2.58		<b>\$3.80</b>	\$32.63	168.6%
		Avg	<b>\$16.24</b>			<b>\$2.29</b>		<b>\$2.72</b>		
Oregon	QW	1	\$13.95	\$1.14	\$1.33	\$16.42	\$25.91	63.4%		
		2	\$25.20			\$27.67		106.8%		
		3	\$56.21			\$58.68		226.5%		
		Avg	\$15.00							
Pennsylvania **	VZ	1	<b>\$6.77</b>	<b>\$1.68</b>	<b>\$2.55</b>	\$11.00	\$22.27	49.4%		
		2	<b>\$9.25</b>			\$13.48		60.5%		
		3	<b>\$12.39</b>			\$16.62		74.6%		
		4	<b>\$22.39</b>			\$26.62		119.5%		
		Avg	<b>\$13.76</b>							

\*\* Rates effective October 1, 2004

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
Rhode Island	VZ	1	\$11.19	\$1.86	\$1.28	\$14.33	\$29.18	49.1%
		2	\$15.44			\$18.58		63.7%
		3	\$19.13			\$22.27		76.3%
		Avg	\$13.93					
South Carolina	BS	1	\$13.76	\$1.13	\$1.05	\$15.94	\$22.46	71.0%
		2	\$20.38			\$22.56		104.6%
		3	\$26.04			\$28.22		139.6%
		Avg	\$16.51					
South Dakota	QW	1	\$15.20	\$1.84	\$0.70	\$17.74	\$25.31	70.1%
		2	\$16.56			\$19.10		75.5%
		3	\$21.77			\$24.31		96.0%
		Avg	\$18.84					
Tennessee	BS	1	\$11.11	\$1.70	\$0.80	\$13.61	\$22.76	59.8%
		2	\$16.65			\$19.15		84.1%
		3	\$27.80			\$30.30		133.1%
		Avg	\$14.12					
<b>Texas</b>	SBC	3	\$12.14	\$1.58	\$1.42	\$15.14	\$29.62	51.1%
		2	\$13.65			\$17.54		59.2%
		1	\$18.98			\$24.61		83.1%
		Avg	<b>\$14.25</b>			<b>\$2.22</b>		<b>\$1.44</b>
Utah	QW	1	<b>\$11.33</b>	<b>\$3.56</b> Port rate includes unlimited switching	n/a	\$14.89	\$22.59	65.9%
		2	<b>\$12.22</b>			\$15.78		69.9%
		3	<b>\$19.57</b>			\$23.13		102.4%
		Avg	<b>\$12.97</b>					
Vermont	VZ	1	\$7.72	\$1.03	\$4.00	\$12.75	\$31.93	39.9%
		2	\$8.35			\$13.38		41.9%
		3	\$21.63			\$26.66		83.5%
		Avg	\$14.41					
Virginia	VZ	1	\$11.89	\$2.83 Port rate includes unlimited switching	\$0.00	\$14.72	\$28.76	51.2%
		2	\$15.26			\$18.09		62.9%
		3	\$28.43			\$31.26		108.7%
		Avg	\$14.43					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Residential Rate (per Month)	Percentage
<b>Washington</b>	QW	1	<b>\$5.86</b>	\$1.34	\$1.18	\$8.38	\$22.01	38.1%
		2	<b>\$10.80</b>			\$13.32		60.5%
		3	<b>\$12.21</b>			\$14.73		66.9%
		4	<b>\$13.76</b>			\$16.28		74.0%
		5	<b>\$18.51</b>			\$21.03		95.5%
		Avg	<b>\$14.25</b>					
West Virginia	VZ	1	\$14.49	\$1.60	\$2.55	\$18.64	\$29.63	62.9%
		2	\$22.04			\$26.19		88.4%
		3	\$35.00			\$39.15		132.1%
		4	\$43.44			\$47.59		160.6%
		Avg	\$20.41					
<b>Wisconsin</b>	SBC	A	\$9.51	\$2.83 Port rate includes unlimited switching	n/a	\$12.34	\$35.56	34.7%
		B	\$10.87			\$13.70		38.5%
		C	\$15.25			\$18.08		50.8%
		Avg.	<b>\$10.21</b>					
Wyoming	QW	BRA	\$19.91	\$2.64	\$0.92	\$23.47	\$30.16	77.8%
		1	\$26.94			\$30.50		101.1%
		2	\$30.13			\$33.69		111.7%
		3	\$40.98			\$44.54		147.7%
		Avg	\$23.39					

## NOTES:

1. Monthly cost of switching based on usage of 1,000 minutes per month. In states with on-peak/off-peak pricing or originating/terminating pricing, the 1,000 minutes were allocated 50/50. In states with day/evening/night pricing, the 1,000 minutes were allocated 50/30/20. In states with per call or set up rates, it was assumed there were 100 calls per month.
2. The Total Cost column is the sum of monthly unbundled loop, port and switching. Because of the widely varying rate designs for transport for each state, transport costs are not included. However, the reader is cautioned that a complete UNE platform to provide local service would also include transport costs.
3. Monthly residential rates by state are taken from the FCC's Reference Book of Rates, Price Indices and Expenditures for Telephone Service, July 2004, Table 1.3, adjusted for changes in federal subscriber line charge and federal universal service surcharge on end-users. Rates for Delaware, Idaho, Iowa, Kansas, Nevada, New Hampshire, North Dakota, Oklahoma, South Carolina, South Dakota, Vermont & Wyoming taken from tariffs, including federal subscriber line charge and federal universal service surcharge on end-users.
4. The Percentage column is the Total Cost column divided by the Average Residential Rate column.

### UNE RATE/BUSINESS RATE COMPARISON MATRIX

All Rates for RBOC in each State Unless Otherwise Noted

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
Alabama	BS	1	\$11.55	\$1.15	\$0.73	\$13.43	\$49.82	27.0%
		2	\$20.04			\$21.92		44.0%
		3	\$33.65			\$35.53		71.3%
		Avg	\$16.66					
Alaska	ATU	1	\$14.92	\$4.27	\$6.60	\$25.79	\$35.64	72.4%
Arizona	QW	1	\$9.05	<b>\$1.61</b>	\$0.97	\$11.63	\$43.23	26.9%
		2	\$14.84			\$17.42		40.3%
		3	\$36.44			\$39.02		90.3%
		Avg	\$12.12					
Arkansas	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$45.83	32.2%
		2	\$13.64		\$1.69	\$16.94		37.0%
		1	\$23.34		\$2.53	\$27.48		60.0%
		Avg	<b>\$13.88</b>		<b>\$1.66</b>			
California	SBC	1	\$8.24	\$0.83	\$0.74	\$9.81	\$16.89	58.1%
		2	\$11.19			\$12.76		75.5%
		3	\$19.69			\$21.26		125.9%
		Avg	<b>\$9.98</b>					
Colorado	QW	1	\$5.91	\$1.15	\$1.61	\$8.67	\$48.96	17.7%
		2	\$12.31			\$15.07		30.8%
		3	\$32.74			\$35.50		72.5%
		Avg	\$15.85					
Connecticut	SBC	1A	\$8.95	\$3.31	\$3.58*	\$19.41	\$44.33	43.8%
		B	\$12.03			\$22.49		50.7%
		C	\$13.28			\$23.74		53.6%
		D	\$19.69			\$30.15		68.0%
		Avg	\$12.49					
D.C.	VZ	1	\$8.49	\$1.55	\$3.00	\$13.04	\$21.39	61.0%

\* Assumes MOU 75% On-Net, 25% Off-Net

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
Delaware	VZ	1	\$10.07	\$2.23	\$1.92	\$14.22	\$32.99	43.1%
		2	\$13.13			\$17.28		52.4%
		3	\$16.67			\$20.82		62.7%
		Avg	\$12.03					
Florida	BS	1	\$9.77	\$1.17	\$0.77	\$11.71	\$44.71	26.2%
		2	\$13.88			\$15.82		35.4%
		3	\$24.63			\$26.57		59.4%
		Avg	\$13.95					
Georgia	BS	1	\$9.56	\$0.90	\$0.62	\$11.08	\$64.80	17.1%
		2	\$14.86			\$16.38		25.3%
		3	\$31.66			\$33.18		51.2%
		Avg	\$12.82					
Hawaii	VZ	Oahu	\$10.44	\$2.69	\$7.61	\$20.74	\$49.62	41.8%
		Maui	\$17.23			\$27.53		55.5%
		Hawaii	\$21.91			\$32.21		64.9%
Idaho	QW	1	\$15.65	\$1.34	\$1.34	\$18.33	\$39.53	46.4%
		2	\$23.76			\$26.44		66.9%
		3	\$40.50			\$43.18		109.2%
		Avg	\$20.21					
Illinois	SBC	A	<b>\$5.17</b>	\$2.18	n/a	\$7.35	\$13.40	54.9%
		B	<b>\$12.40</b>			\$14.58		108.8%
		C	<b>\$14.91</b>			\$17.09		127.5%
		Avg	<b>\$13.38</b>					
Indiana	SBC	3	\$12.00	\$2.98	n/a	\$14.98	\$54.47	27.5%
		2	\$12.50			\$15.48		28.4%
		1	\$11.50			\$14.48		26.6%
		Avg	<b>\$11.97</b>					
Iowa	QW	1	\$12.69	\$1.15	\$1.56	\$15.40	\$36.56	42.1%
		2	\$15.14			\$17.85		51.6%
		3	\$26.39			\$29.10		89.0%
		Avg	\$15.94					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
<b>Kansas</b>	SBC	3	\$11.86	\$1.61	\$1.31	\$14.78	\$31.83	46.4%
		2	\$13.64		\$1.69	\$16.94		53.2%
		1	\$23.34		\$2.53	\$27.48		86.3%
		Avg	\$13.73		\$1.84			
Kentucky	BS	1	\$9.64	\$1.15	\$1.20	\$11.99	\$45.76	26.2%
		2	\$14.37			\$16.72		36.5%
		3	\$30.59			\$32.94		72.0%
		Avg	\$17.26					
Louisiana	BS	1	\$11.77	\$1.36	\$1.87	\$15.00	\$46.33	32.4%
		2	\$22.39			\$25.62		55.3%
		3	\$48.26			\$51.49		111.1%
		Avg	\$16.24					
Maine	VZ	1	\$11.44	\$0.94	\$1.68	\$14.06	\$49.87	28.2%
		2	\$13.47			\$16.09		32.3%
		3	\$18.75			\$21.37		42.9%
		Avg	\$16.19					
Maryland	VZ	A1	\$9.51	\$1.32	\$1.17	\$12.00	\$23.63	50.8%
		A2	\$9.55			\$12.04		51.0%
		B1	\$20.57			\$23.06		97.6%
		B2	\$13.56			\$16.05		67.9%
		Avg	\$11.26					
Massachusetts	VZ	1	\$10.81	\$2.22	\$0.77	\$13.80	\$24.87	55.5%
		2	\$11.37			\$14.36		57.7%
		3	\$15.41			\$18.40		74.0%
		4	\$24.32			\$27.31		109.8%
		Avg	\$13.93					
<b>Michigan</b>	SBC	A	\$8.47	\$2.53	\$0.52	\$11.52	\$24.41	47.2%
		B	\$8.73			\$11.78		48.3%
		C	\$12.54			\$15.59		63.9%
		Avg	<b>\$10.13</b>					
Minnesota	QW	1	\$5.83	\$3.12	n/a	\$8.95	\$54.72	16.4%
		2	\$8.95			\$12.07		22.1%
		3	\$10.62			\$13.74		25.1%
		4	\$15.66			\$18.78		34.3%
		Avg	\$12.86					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
Mississippi	BS	1	\$10.99	\$1.23	\$1.03	\$13.25	\$50.81	26.1%
		2	\$15.90			\$18.16		35.7%
		3	\$25.03			\$27.29		53.7%
		4	\$43.68			\$45.94		90.4%
		Avg	\$22.37					
Missouri	SBC	1	\$12.71	\$1.74	\$1.62	\$16.07	\$49.78	32.3%
		2	\$18.64	\$1.97	\$1.95	\$22.56		45.3%
		3	\$19.74	\$2.47	\$2.81	\$25.02		50.3%
		4	\$16.41	\$2.25	\$2.39	\$21.05		42.3%
		Avg	<b>\$15.66</b>	<b>\$1.95</b>	<b>\$1.94</b>			
Montana	QW	1	\$23.10	\$1.58	\$1.57	\$26.25	\$45.08	58.2%
		2	\$23.90			\$27.05		60.0%
		3	\$27.13			\$30.28		67.2%
		4	\$29.29			\$32.44		72.0%
		Avg	<b>\$23.98</b>					
Nebraska	QW	1	\$12.14	\$2.47	\$1.26	\$15.87	\$40.62	39.1%
		2	\$28.11			\$31.84		78.4%
		3	\$62.50			\$66.23		163.0%
		Avg	<b>\$17.51</b>					
Nevada	SBC	1	\$11.77	\$1.63	\$1.61	\$15.01	\$27.51	54.6%
		2	\$22.64			\$25.88		94.1%
		3	\$66.25			\$69.49		252.6%
		Avg	<b>\$20.72</b>					
New Hampshire	VZ	1	\$11.97	\$0.71	\$2.44	\$15.12	\$51.58	29.3%
		2	\$16.04			\$19.19		40.6%
		3	\$25.00			\$28.15		72.8%
		Avg	\$16.21					
New Jersey	VZ	1	<b>\$8.81</b>	<b>\$2.72</b>	<b>\$2.76</b>	\$14.29	\$21.99	65.0%
		2	<b>\$10.42</b>			\$15.90		72.3%
		3	<b>\$11.82</b>			\$17.30		78.7%
		Avg	<b>\$10.32</b>					
New Mexico	QW	1	\$16.04	\$1.38	\$1.11	\$18.53	\$47.99	38.6%
		2	\$18.34			\$20.83		43.4%
		3	\$23.70			\$26.19		54.6%
		Avg	\$18.52					

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
New York	VZ	1	\$7.70	\$2.57	\$1.13	\$11.40	\$29.70	38.4%
		2	\$11.31			\$15.01		50.5%
		3	\$15.51			\$19.21		64.7%
		Avg	\$11.49					
North Carolina	BS	1	\$10.75	\$2.28	\$1.50	\$14.53	\$45.21	32.1%
		2	\$19.05			\$22.83		50.5%
		3	\$30.33			\$34.11		75.4%
		Avg	\$14.18					
North Dakota	QW	1	\$13.53	\$1.27	\$1.48	\$16.28	\$35.60	45.7%
		2	\$22.80			\$25.55		71.8%
		3	\$51.65			\$54.40		152.8%
		Avg	\$16.28					
Ohio	SBC	B	<b>\$8.84</b>	\$4.61	\$0.78	\$14.23	\$31.59	45.0%
		C	<b>\$10.38</b>			\$15.77		49.9%
		D	<b>\$11.43</b>			\$16.82		53.2%
		Avg	<b>\$10.64</b>					
Oklahoma	SBC	3	\$12.14	\$2.18	<b>\$2.27</b>	\$16.59	\$45.44	36.5%
		2	\$13.65	\$2.21	<b>\$2.52</b>	\$18.38		40.4%
		1	\$26.25	\$2.58	<b>\$3.80</b>	\$32.63		71.8%
		Avg	<b>\$16.24</b>	<b>\$2.29</b>	<b>\$2.72</b>			
Oregon	QW	1	\$13.95	\$1.14	\$1.33	\$16.42	\$42.32	38.8%
		2	\$25.20			\$27.67		65.4%
		3	\$56.21			\$58.68		138.7%
		Avg	\$15.00					
Pennsylvania **	VZ	1	<b>\$6.77</b>	<b>\$1.68</b>	<b>\$2.55</b>	\$11.00	\$25.86	42.5%
		2	<b>\$9.25</b>			\$13.48		52.1%
		3	<b>\$12.39</b>			\$16.62		64.3%
		4	<b>\$22.39</b>			\$26.62		102.9%
		Avg	<b>\$13.76</b>					
Rhode Island	VZ	1	\$11.19	\$1.86	\$1.28	\$14.33	\$31.05	46.2%
		2	\$15.44			\$18.58		59.8%
		3	\$19.13			\$22.27		71.7%
		Avg	\$13.93					

\*\* Rates effective October 1, 2004

Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
South Carolina	BS	1	\$13.76	\$1.13	\$1.05	\$15.94	\$49.81	32.0%
		2	\$20.38			\$22.56		48.6%
		3	\$26.04			\$28.22		68.3%
		Avg	\$16.51					
South Dakota	QW	1	\$15.20	\$1.84	\$0.70	\$17.74	\$45.46	39.0%
		2	\$16.56			\$19.10		42.0%
		3	\$21.77			\$24.31		53.5%
		Avg	\$18.84					
Tennessee	BS	1	\$11.11	\$1.70	\$0.80	\$13.61	\$55.73	24.4%
		2	\$16.65			\$19.15		34.4%
		3	\$27.80			\$30.30		54.4%
		Avg	\$14.12					
Texas	SBC	3	\$12.14	\$1.58	\$1.42	\$15.14	\$50.04	30.3%
		2	\$13.65	\$2.47	\$1.20	\$17.54		35.1%
		1	\$18.98	\$4.21	\$2.12	\$24.61		49.2%
		Avg	\$14.25	\$2.22	\$1.44			
Utah	QW	1	\$11.33	\$3.56 Port rate includes unlimited switching	n/a	\$14.89	\$32.58	45.7%
		2	\$12.22			\$15.78		48.4%
		3	\$19.57			\$23.13		71.0%
		Avg	\$12.97					
Vermont	VZ	1	\$7.72	\$1.03	\$4.00	\$12.75	\$48.22	26.4%
		2	\$8.35			\$13.38		27.7%
		3	\$21.63			\$26.66		55.3%
		Avg	\$14.41					
Virginia	VZ	1	\$11.89	\$2.83 Port rate includes unlimited switching	\$0.00	\$14.72	\$75.87	19.4%
		2	\$15.26			\$18.09		23.8%
		3	\$28.43			\$31.26		41.2%
		Avg	\$14.43					
Washington	QW	1	\$5.86	\$1.34	\$1.18	\$8.38	\$40.92	20.5%
		2	\$10.80			\$13.32		32.6%
		3	\$12.21			\$14.73		36.0%
		4	\$13.76			\$16.28		39.8%
		5	\$18.51			\$21.03		51.4%
		Avg	\$14.25					

## Updated August 2004

State	Company	Density Zones	Loop Rate (per Month)	Port Rate (per Month)	Switching (per Month)	Total Cost	Average Business Rate (per Month)	Percentage
West Virginia	VZ	1	\$14.49	\$1.60	\$2.55	\$18.64	\$61.06	30.5%
		2	\$22.04			\$26.19		42.9%
		3	\$35.00			\$39.15		64.1%
		4	\$43.44			\$47.59		77.9%
		Avg	\$20.41					
Wisconsin	SBC	A	\$9.51	\$2.83 Port rate includes unlimited switching	n/a	\$12.34	\$22.84	54.0%
		B	\$10.87			\$13.70		60.0%
		C	\$15.25			\$18.08		79.2%
		Avg.	<b>\$10.21</b>					
Wyoming	QW	BRA	\$19.91	\$2.64	\$0.92	\$23.47	\$30.16	77.8%
		1	\$26.94			\$30.50		101.1%
		2	\$30.13			\$33.69		111.7%
		3	\$40.98			\$44.54		147.7%
		Avg	\$23.39					

## NOTES:

1. Monthly cost of switching based on usage of 1,000 minutes per month. In states with on-peak/off-peak pricing or originating/terminating pricing, the 1,000 minutes were allocated 50/50. In states with day/evening/night pricing, the 1,000 minutes were allocated 50/30/20. In states with per call or set up rates, it was assumed there were 100 calls per month.
2. The Total Cost column is the sum of monthly unbundled loop, port and switching. Because of the widely varying rate designs for transport for each state, transport costs are not included. However, the reader is cautioned that a complete UNE platform to provide local service would also include transport costs.
3. Monthly residential rates by state are taken from the FCC's Reference Book of Rates, Price Indices and Expenditures for Telephone Service, July 2004, Table 1.10, adjusted for changes in the federal subscriber line charge and federal universal service surcharge on end-users. Rates for Delaware, Idaho, Iowa, Kansas, Nevada, New Hampshire, North Dakota, Oklahoma, South Carolina, South Dakota, Vermont & Wyoming taken from tariffs, including federal subscriber line charge and federal universal service surcharge on end-users.
4. The Percentage column is the Total Cost column divided by the Average Business Rate column.