Notice Of Ex Parte Presentation - Via Electronic Filing

October 26, 2009

Ms. Marlene Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: A National Broadband Plan for Our Future
GN Docket No. 09-51

Dear Ms. Dortch:

On October 26, 2009, Brian Evans of Akamai Technologies, Inc. ("Akamai") had a telephone conversation with Peter Bowen and Byron Neal of the Office of Strategic Planning and Policy Analysis regarding the above-captioned proceeding. Akamai provides caching and related services for powering video, dynamic transactions, and enterprise applications online. As an alternative to centralized Web infrastructure, Akamai's global network of tens of thousands of distributed servers provides the scale, reliability, insight and performance for businesses to succeed online.

Akamai's representative discussed the attached report, *Observed Average Internet Speeds for U.S. Network Connections*, prepared by Akamai, that provides data about aggregate average speeds for Internet network connections in the fifty states of the United States and in selected U.S. cities and towns, as measured by Akamai. The report is based on data available to Akamai through its server network. The information provided in the report is a refinement of the types of data in Akamai's quarterly *State of the Internet* reports, which are available at http://www.akamai.com/stateoftheinternet/.

Akamai's representative reviewed the contents of the report, its methodology, and its limitations. For example, the observed average Internet speeds are not limited to peak usage hours. The data for cities and towns is based on information collected by Akamai using a proprietary geolocation method that focuses on the geographic boundaries of the city or town, rather than on a census tract or similar basis. Moreover, a few prominent cities and towns may not be included because of data collection limitations or because of ISP backhaul practices. As with the *State of the Internet* reports, because of confidentiality and privacy protections, only aggregated averages are reported.

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Pursuant to Section 1.1206 of the Commission's rules, this *ex parte* notification is being filed electronically with your office.

Sincerely,

/s/

Brian Evans
Assistant General Counsel
Akamai Technologies, Inc.

cc: Peter Bowen
Byron Neal

Attachment

dc-577390

Observed Average Internet Speeds for U.S. Network Connections

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October 26, 2009

Overview

This report presents data on aggregate average Internet speeds for U.S. network connections observed by Akamai. The report includes two tables:

- Table 1 shows, for calendar quarters Q1 2008 through Q2 2009, the quarterly mean Internet speed, measured in kbps, for each of the fifty U.S. states, for network connections between individual IP addresses and Akamai servers.

- Table 2 shows, for August 2009, the 4-week mean Internet speeds, measured in kbps, for network connections between individual IP addresses and Akamai servers in the top ten cities and towns based on IP addresses observed in each of the fifty states, aggregated by ranges of transmission speeds. The cities for each state are listed in descending order based on IP number density.

This data is a refinement of the types of information reported by Akamai in its quarterly *State of the Internet* reports, available at http://www.akamai.com/stateoftheinternet/.

Akamai provides caching and related services for powering video, dynamic transactions, and enterprise applications online. As an alternative to centralized Web infrastructure, Akamai's global network of tens of thousands of distributed servers provides the scale, reliability, insight and performance for businesses to succeed online.

Because Akamai has implemented a distributed network model, deploying servers within edge networks, it can deliver content more reliably and more consistently at those speeds, in contrast to centralized competitors that rely on fewer deployments in large data centers.

Methodology

The data presented in Tables 1 and 2 was collected through Akamai's server network and includes all U.S. states. A "network connection" for purposes of this report is an individual IP address that connects to an Akamai server. This address could be associated with a business end user or an individual. The "speed," measured in kbps is download speed, from the Akamai server to the end user IP address.

For Table 1, the reported average speeds are aggregated quarterly mean speeds. That is, for each individual IP address that connects to an Akamai server, daily mean transmission speeds are collected and used to produce 7-day means. Four consecutive 7-day means are used to produce a 4-week mean. Then three consecutive 4-week

means are used to produce a quarterly mean speed. Then the quarterly mean speeds for all IP addresses are aggregated and averaged.

For Table 2, the reported average speeds are aggregated 4-week mean speeds, grouped into six speed tiers for the 4-week period from August 1, 2009 to August 31, 2009. Akamai uses a proprietary geolocation method to place each IP address within the geographic boundaries of the city or town. The ten cities or towns selected for each state represent the largest observed counts of IP addresses aggregated by city in decreasing order.

For New York City, Akamai captured data for Manhattan, the Bronx, Brooklyn, and Staten Island. No data was collected for Queens, however, because it is identified in Akamai's method as a county, not a city.

Limitations

- The average speeds presented here are not limited to end users' busy hours.
- Because the IP addresses that connect to Akamai servers are associated with businesses as well as individuals, observed average speeds may be higher than commonly expected for individuals.
- Because Akamai's servers are located at the edge of the Internet, the observed average speeds may not reflect the end-to-end speeds that users may experience connecting to other servers.
- Akamai's measurements do not conform to the reporting categories of the FCC's Form 477 (e.g., speed tiers) but rather are based on measurements that Akamai's customers have found useful.
- The reported data does not measure broadband penetration.
- The data for cities and towns is based on information collected by Akamai using a proprietary geolocation method that focuses on the geographic boundaries of the city or town, rather than on a census tract or similar basis.
- A few prominent cities may not be included because of classification issues as in the case of Queens, above. In addition, for some cities, ISPs backhaul traffic from those cities to other geolocations. As a result, traffic for those cities may be included with the data for the cities that are shown in the charts.
- Because of confidentiality and privacy protections, only aggregated averages are reported.

Table 1: Average Download Speeds by State Over Time

State	Q108 kbit/s	Q208 kbit/s	Q308 kbit/s	Q408 kbit/s	Q109 kbit/s	Q209 kbit/s
Alabama	3281.4	3423.6	3561.4	3625.8	3802.3	3375.8
Alaska	1836.5	1891.0	1910.7	1999.9	2086.8	2046.5
Arizona	3622.1	3808.2	3832.2	3632.4	4256.6	3108.5
Arkansas	2791.6	2747.2	2945.0	2896.7	2964.6	2814.0
California	3882.6	3992.6	4493.1	4361.4	4540.4	4363.0
Colorado	3439.8	3407.4	3557.6	3831.1	3851.4	3741.6
Connecticut	4896.4	5148.2	5688.6	5425.2	5291.1	5233.4
Delaware	7098.0	7723.4	7318.4	7280.1	7210.4	6299.0
District Of Columbia	4309.6	4497.2	5223.6	5033.0	5539.4	4534.8
Florida	3382.6	3500.2	3873.0	3791.7	3783.4	3828.0
Georgia	2978.4	3237.0	3113.4	3061.4	3156.5	2558.8
Hawaii	2701.0	2831.0	3170.8	3114.2	3915.7	4336.9
Idaho	2411.7	2479.4	2796.8	2776.2	3139.5	2660.0
Illinois	2798.8	2913.0	3003.3	2801.4	2839.6	2928.6
Indiana	4362.5	4247.4	4792.5	4924.1	5126.1	5090.1
Iowa	2837.5	2837.6	3363.8	3712.9	4091.5	3855.8
Kansas	3325.4	3488.6	3658.6	3366.2	3597.7	3570.4
Kentucky	3133.5	3728.5	4359.8	4252.4	4674.6	4195.4
Louisiana	3155.2	3283.8	3417.8	3448.5	3573.6	3240.5
Maine	3687.5	4100.1	4865.0	5074.5	5404.9	5172.0
Maryland	3667.9	3879.9	4039.8	3717.6	3842.3	4469.4
Massachusetts	4246.0	4434.0	4874.8	4882.2	5051.8	4906.9
Michigan	4117.0	4290.1	4280.2	4023.3	4040.0	4205.8
Minnesota	3739.8	3955.0	4102.0	3954.8	4131.7	4403.8
Mississippi	2877.0	2998.5	3555.4	3348.4	3399.0	3565.4
Missouri	2709.0	2753.4	2868.2	2421.7	2550.9	2296.2
Montana	1988.9	2295.5	2561.0	2602.9	2813.6	2682.4
Nebraska	3293.2	4001.4	4354.2	4354.0	4413.8	4176.6
Nevada	4699.4	4849.0	4866.0	5191.0	6060.0	5163.6
New Hampshire	4495.8	4607.4	6596.5	6088.5	6575.5	6379.6
New Jersey	3395.4	3367.3	3457.3	3426.1	3479.0	3577.2
New Mexico	2733.2	2661.2	3066.3	3733.8	3737.4	3549.8
New York	4736.1	5035.4	5492.6	5372.7	5722.5	5620.7
North Carolina	3889.9	4061.7	4308.6	3924.7	4310.6	4218.3
North Dakota	3371.7	3163.9	3403.2	3564.8	3917.6	3602.6
Ohio	3250.7	3643.8	3959.4	3952.6	3915.4	3664.4
Oklahoma	4761.6	4761.0	5017.7	5110.6	5591.1	4937.9
Oregon	3699.8	4057.2	4222.3	4398.7	4741.0	4400.6
Pennsylvania	4011.2	4186.1	4243.5	4177.4	4333.0	4258.6
Rhode Island	5312.9	5338.3	5698.4	5334.2	5554.7	5408.4
South Carolina	3687.6	3910.0	4129.4	4140.8	4320.4	4151.1
South Dakota	2993.8	3085.4	3358.2	3170.8	3204.1	3576.3
Tennessee	3940.1	4269.8	4416.2	4313.1	4258.6	4024.6
Texas	2861.1	3015.4	3288.7	3157.9	3346.6	3104.5
Utah	5052.2	5166.2	4984.9	5008.4	5510.8	4454.9
Vermont	3680.3	4130.3	5710.0	5171.8	5426.2	5415.0
Virginia	3471.8	3308.4	4528.9	4295.4	4454.9	4681.8
Washington	2746.9	3328.5	3315.2	3396.0	3653.5	3485.2
West Virginia	4050.8	3840.6	4171.2	3761.1	4213.0	4113.7
Wisconsin	4061.5	4162.2	4572.0	4494.6	4743.5	4511.6
Wyoming	2956.1	3061.8	2946.1	2972.1	3269.3	3039.8

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Alabama

	Entire State	BIRMINGHAM	LEEDS	HUNTSVILLE	MONTGOMERY	MOBILE	TUSCALOOSA	FLORENCE	ELMORE	AUBURN	RAINSVILLE
Average kbit/s	3339.2	2600.8	3946.7	3043.3	3111	2480.3	8847.2	5599.7	3890.3	11747.5	1522.4
<256kbit/s %	2.4	2	0.3	5.5	1.9	0.5	0.2	0	0	0.8	0.4
257-768kbit/s %	4	3	0.4	6.2	2.8	2.2	1	0.3	0.9	2.1	6.4
767-2048kbit/s %	31.1	46.5	3.8	33.9	29.4	47.5	5.2	4.7	7.4	8.2	78.4
2049kbit/s-5120kbit/s %	49.3	41.3	86.2	39	58.9	44.8	28.1	36.2	77.5	14.7	14
5121kbit/s-10240kbit/s %	10.6	5.6	8.4	13.7	5.4	4.8	45.1	56.3	14	27.4	0.7
10241kbit/s+ %	2.5	1.7	0.9	1.7	1.6	0.1	20.4	2.5	0.1	46.9	0

Alaska

	Entire State	ANCHORAGE	FAIRBANKS	KETCHIKAN	NEWSTUYAHOK	JUNEAU	VALDEZ	PALMER	CRAIG	HAINES	WRANGELL
Average kbit/s	2220.4	2152.7	4872.4	791.5	700.1	2267.1	771	1236.1	104.9	228.2	248.6
<256kbit/s %	9.4	7.3	6.2	34	42.3	25.8	8.9	39.3	93.4	63.1	65.8
257-768kbit/s %	20.2	21.1	3.6	20.9	23.5	7.6	55.1	16.3	6.1	33.2	30.7
767-2048kbit/s %	26.8	28.1	8	40	27	20.2	33.4	26.4	0.5	3.1	3.2
2049kbit/s-5120kbit/s %	36.4	38	41.1	4.7	6.9	34.3	2	13.6	0.2	0.6	0.3
5121kbit/s-10240kbit/s %	6.8	5.3	36.9	0.3	0.3	11.8	0.3	3.8	0.2	0.3	0.3
10241kbit/s+ %	0.5	0.3	4.3	0.1	0	0.3	0.3	0.6	0.2	0.3	0.3

Arizona

	Entire State	PHOENIX	TUCSON	FORTHUACHUCA	PIMA	TEMPE	FLAGSTAFF	SCOTTSDALE	KINGMAN	LAKEHAVASUCITY	PRESCOTTVALLEY
Average kbit/s	3049	2663.2	6149.4	4341.3	3920.4	8191.8	6143.3	6035.1	2177.3	3217.1	1054.4
<256kbit/s %	3.9	4.2	0.6	2.9	0	6.3	1	3.4	14.3	6.9	1.5
257-768kbit/s %	17.2	19.6	2.3	5.1	0.3	1.2	0.7	11.1	4.1	1	32.2
767-2048kbit/s %	28.1	30.1	14.1	17.7	5.2	4.8	6	37.9	37	9.6	61.1
2049kbit/s-5120kbit/s %	33.1	31	44.3	46.8	80.8	16.5	57.4	22.1	40.6	76.9	5
5121kbit/s-10240kbit/s %	15.7	14.2	31.1	21.9	13.4	49.3	22.6	8.9	4	5.4	0.1
10241kbit/s+ %	1.9	0.9	7.7	5.6	0.3	21.9	12.2	16.6	0	0	0

Arkansas

	Entire State	LITTLEROCK	FAYETTEVILLE	PINEBLUFF	RUSSELLVILLE	HOTSPRINGSNATLPARK	JONESBORO	MAUMELLE	STATEUNIVERSITY	CABOT	HARRISON
Average kbit/s	2816.2	2394.9	9048	2080.4	3460.1	2554.6	3422.9	5021.5	6754.7	2786.8	1513.4
<256kbit/s %	2.9	2.6	0.9	0.9	1.7	1.3	0.8	0	2.9	0	9.5
257-768kbit/s %	5.7	4.2	1.8	12.5	0.9	28.9	3.7	0.5	6.1	0.6	6.3
767-2048kbit/s %	39.8	43.5	32.8	45.9	20.6	14.2	19.9	4.8	14.7	19	62.4
2049kbit/s-5120kbit/s %	43.9	44.1	41.2	37.1	63.7	46.8	65.6	48.3	22.3	78.7	21.5
5121kbit/s-10240kbit/s %	6	5	5.3	3.6	12.6	8.8	8.3	45	27.5	1.7	0.2
10241kbit/s+ %	1.8	0.7	18.1	0	0.6	0	1.7	1.4	26.5	0	0

California

	Entire State	LOSANGELES	SANJOSE	SANDIEGO	SACRAMENTO	PLEASANTON	IRVINE	BURBANK	SANFRANCISCO	OAKLAND	ANAHEIM
Average kbit/s	4429.8	3326.7	4095.9	5189.6	3499.2	2629.3	2951	877.6	5671.2	6867.4	5695.6
<256kbit/s %	3.7	4.7	9.4	0.9	9	0.1	0.2	3.4	8.4	1.5	0.5
257-768kbit/s %	9.6	8	24.3	1.2	18.6	2	2.1	53	4.8	0.7	1.9
767-2048kbit/s %	30.7	37.1	32.6	20.7	29.7	40.2	48.8	40.6	39.8	2	12.9
2049kbit/s-5120kbit/s %	32.3	36.4	12.4	42.8	20.8	50.6	41.9	2.3	30.4	22.7	29.9
5121kbit/s-10240kbit/s %	17.4	9.3	14.4	28.4	17.5	6.7	4.8	0.6	8.5	63.5	46.8
10241kbit/s+ %	6.2	4.4	7	6	4.4	0.5	2.2	0.1	8.1	9.6	8

Colorado

	Entire State	DENVER	COLORADOSPRINGS	ENGLEWOOD	LITTLETON	AURORA	ARVADA	FORTCOLLINS	BOULDER	WHEATRIDGE	LONGMONT
Average kbit/s	3675.9	2763.4	2296.6	3117.5	4626.3	5950.7	5594.2	10119.3	11576.7	6044.3	5195.1
<256kbit/s %	5.2	8.1	1	1.4	4.4	0	0	0.5	0.3	0	0.1
257-768kbit/s %	6.1	4.9	4.7	22.1	12.2	0.1	0.1	1.4	0.8	0.1	0.3
767-2048kbit/s %	34.4	44.4	57.7	28.6	14.8	1.9	1.8	5.8	4.5	1.7	3.4
2049kbit/s-5120kbit/s %	32.1	31.1	32.6	23.5	28.6	36.2	42.4	31.1	33.4	34.6	49.3
5121kbit/s-10240kbit/s %	18.9	9.5	3	22.8	35	57.4	53	37.6	37.4	59.1	45.1
10241kbit/s+ %	3.3	1.9	0.9	1.6	5.1	4.3	2.7	23.5	23.6	4.5	1.8

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Connecticut

	Entire State	WALLINGFORD	MERIDEN	HARTFORD	STAMFORD	NEWTOWN	NORWALK	NEWHAVEN	STORRSMANSFIELD	BRIDGEPORT	BRANFORD
Average kbit/s	5632.1	2819.5	2526.8	6256.5	4917.6	4697	6624	11638.5	19120.6	6242.7	6462.3
<256kbit/s %	1.5	0	0.1	5.7	11	0	0.2	0.5	0.7	0.1	0
257-768kbit/s %	0.9	1	1.1	2.6	0.4	0.2	0.5	1.5	0.7	0.3	0.2
767-2048kbit/s %	15.2	33.4	36.7	5.9	5.5	2.4	2.2	4.3	1.6	2	4
2049kbit/s-5120kbit/s %	40.2	58.5	59	25.2	37.7	67	24.7	17.6	9.7	31.5	30.4
5121kbit/s-10240kbit/s %	33.3	6.4	2.2	49.3	41.5	30	65.1	39.1	33.8	60.5	55.5
10241kbit/s+ %	8.9	0.7	0.8	11.4	3.9	0.4	7.3	37	53.5	5.6	9.9

Delaware

	Entire State	NEWCASTLE	WILMINGTON	NEWARK	CLAYMONT	LEWES	HARRINGTON	SEAFORD	GEORGETOWN	MILFORD	DOVER
Average kbit/s	7293.1	5563.9	5707.3	15829.4	5587.6	5405.2	5908.6	5889	5847.6	6046	6011
<256kbit/s %	0.3	0	0.7	0.7	0	0	0.1	0	0	0.1	0.3
257-768kbit/s %	0.3	0.2	0.4	0.8	0.2	0.2	0	0.2	0.2	0.2	4.4
767-2048kbit/s %	2.5	1.8	3.2	3.2	2.2	2.4	1.5	1.4	1.9	2.1	46.1
2049kbit/s-5120kbit/s %	36.4	42.7	38.1	13.2	42.1	47	35	35.9	37.6	36.5	15.2
5121kbit/s-10240kbit/s %	49	52.9	54.3	26	52.6	48.1	60	59.2	57.4	57.3	14.8
10241kbit/s+ %	11.5	2.4	3.2	56.1	2.8	2.3	3.4	3.3	3	3.9	19.2

Florida

	Entire State	ORLANDO	TAMPA	MIAMI	FORTLAUDERDALE	POMPANOBEACH	JACKSONVILLE	PENSACOLA	BOCARATON	NAPLES	TALLAHASSEE
Average kbit/s	3721.9	3385	4240.8	2841.1	1037.4	5339.6	4107.6	3066.8	3837.4	4280.6	7263.1
<256kbit/s %	3.8	3.8	3.2	5.3	13	0.4	1.7	0.3	0.3	0.2	0.4
257-768kbit/s %	7.2	3.9	1.9	5.6	51.3	1.4	2.8	1.8	2	0.6	1.3
767-2048kbit/s %	22	22	13.5	39.9	29.4	4.9	29.2	31.8	21.4	6.8	9.9
2049kbit/s-5120kbit/s %	44.9	56.3	53.3	38.9	3.1	42	40.2	57.2	62.4	65.4	45.8
5121kbit/s-10240kbit/s %	19.7	12.6	26.3	7.9	2.3	48.8	23.5	7.9	8.9	26.6	24.2
10241kbit/s+ %	2.4	1.3	1.7	2.4	1	2.6	2.4	1.1	4.8	0.5	18.4

Georgia

	Entire State	ATLANTA	AUGUSTA	SAVANNAH	MACON	ATHENS	MARIETTA	ALBANY	DECATUR	WESTPOINT	ALPHARETTA
Average kbit/s	2586.4	2065	4148.7	4234.3	2925.1	11818.4	6438.7	2305.4	6103.5	4001.8	6136
<256kbit/s %	8.4	9.8	1.9	3	1.7	0.3	0	1.7	0.5	0.4	0.2
257-768kbit/s %	23.5	28.1	1.7	2	1.9	2.6	0.3	2	3.7	0.5	1.8
767-2048kbit/s %	31.8	35	27.4	18.8	36.7	3.7	2.3	44.5	4	7.8	2.3
2049kbit/s-5120kbit/s %	23.3	19.4	34.3	44	49.1	42.1	26.8	49.4	25	71.8	29
5121kbit/s-10240kbit/s %	10.5	5.9	32.1	28.8	10.1	22	64.7	2.3	61.2	19.1	61.8
10241kbit/s+ %	2.5	1.9	2.6	3.3	0.4	29.2	5.9	0.1	5.5	0.4	4.8

Hawaii

	Entire State	MILILANI	HONOLULU	HANA	WAILUKU	LAIE	HILO	PEARLCITY	KIHEI	KAHULUI	KANEOHE
Average kbit/s	4450.6	4702.7	4648.1	2703.5	1421.6	10350	15110.6	5273	2872.9	18159.5	19821.1
<256kbit/s %	1.2	0.1	4.3	0.7	1.4	0.5	1.6	2.4	10.7	0.3	0.2
257-768kbit/s %	3.3	0.4	8.4	4.6	11.7	1	7.1	15.6	38.9	1.5	0.2
767-2048kbit/s %	16.5	4.9	33.8	28.2	71.4	6.1	3.3	41.9	35.5	2.9	1.3
2049kbit/s-5120kbit/s %	51.8	58.9	33	60.5	15.5	30.9	11.3	17.7	9.4	14.4	12.5
5121kbit/s-10240kbit/s %	23.7	34.3	12.2	5.9	0.1	28	25.7	10.2	1.5	27	23.8
10241kbit/s+ %	3.5	1.5	8.3	0.1	0	33.5	51.1	12.3	4	53.9	62.5

Idaho

	Entire State	BOISE	MOSCOW	IDAHOFALLS	LEWISTON	POCATELLO	ROCKLAND	MCCALL	REXBURG	KELLOGG	RUPERT
Average kbit/s	2796.7	2288.3	11346.7	1446	1729.3	5635.4	1760.1	1495.3	6163.8	1632.2	1147.9
<256kbit/s %	2.5	1.9	1	4.9	1	0.2	5.1	9.6	0	0.2	7
257-768kbit/s %	6.8	5.8	3.1	28.3	7	1.7	27.2	6.8	0.3	1.8	32.6
767-2048kbit/s %	52.1	55.6	19.3	51.4	63.6	11.7	27.9	57.5	2.7	83.7	51.3
2049kbit/s-5120kbit/s %	29	30.7	16.6	12.8	27.7	44.2	38.5	26	20.3	14.3	8.9
5121kbit/s-10240kbit/s %	6.1	4.3	26	1.9	0.7	33.8	1.3	0.1	72.7	0.1	0.2
10241kbit/s+ %	3.6	1.7	34	0.7	0.1	8.3	0	0	4	0.1	0.1

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Illinois

	Entire State	CHICAGO	ELMHURST	ROMEOVILLE	MOUNTPROSPECT	CICERO	URBANA	ALGONQUIN	COLLINSVILLE	MORTONGROVE	MATTOON
Average kbit/s	2921.8	2274.3	3816.9	5874.8	5898.6	3586.2	11038.1	5855.6	2176.2	5902.1	2802.7
<256kbit/s %	6	7.8	0.1	0	0	0	0.2	0	0.7	0	2.6
257-768kbit/s %	21.7	28.8	1.3	0.1	0.1	0.3	0.9	0.1	3	0.1	2.8
767-2048kbit/s %	29.7	32.9	28.2	2	2	17.3	4.6	2.2	51.5	2.4	15.9
2049kbit/s-5120kbit/s %	24	17.4	42.6	36.7	36.7	66.7	16.5	36.8	42.4	37.2	76.4
5121kbit/s-10240kbit/s %	16.2	11.3	26.3	57.9	57.4	15.4	43.7	57.4	2.4	55.9	2.2
10241kbit/s+ %	2.5	1.7	1.4	3.3	3.8	0.2	34	3.5	0.1	4.3	0

Indiana

	Entire State	INDIANAPOLIS	ROACHDALE	BLOOMINGTON	SOUTHBEND	AUBURN	MISHAWAKA	MUNCIE	WESTLAFAYETTE	VALPARAISO	TERREHAUTE
Average kbit/s	5221.1	3992.9	5640.4	12042.3	2204.4	4479.2	5183.3	9199.6	12770.9	6547.6	4772.6
<256kbit/s %	3.5	5.5	0.4	1.3	0.5	0.1	0	0.8	0.1	0.6	0.6
257-768kbit/s %	3	2.6	1.9	1.2	5.8	3.8	0.2	1.7	0.6	0.3	6.8
767-2048kbit/s %	21.2	23.6	13.6	15.5	49.2	20.7	3.6	9.4	5.6	2.2	34.6
2049kbit/s-5120kbit/s %	40.1	45.3	28.3	32.9	42.3	35.7	49	43.4	15.2	32.3	32.3
5121kbit/s-10240kbit/s %	25.8	20.2	50.7	27	1.8	36.8	45.4	28.5	33.6	57	15.7
10241kbit/s+ %	6.5	2.9	5.1	22	0.5	2.8	1.7	16.2	45	7.7	10.1

Iowa

	Entire State	DESMOINES	CEDARRAPIDS	DAVENPORT	IOWACITY	SIOUXCITY	AMES	CEDARFALLS	GRINNELL	NEWTON	JOHNSTON
Average kbit/s	4096.9	2109.8	2251	2020.6	28388	1787.8	15090.6	10134.7	1486.4	1438.6	6124.5
<256kbit/s %	7.6	5.5	1.6	1.2	0.2	1.4	2.3	0.3	6	9.6	2
257-768kbit/s %	11.8	7	6.8	5.1	0.8	7	4.1	1.4	20.7	24.1	4.2
767-2048kbit/s %	42.6	53.3	52.7	60.6	1.7	63.3	7.5	2.3	57.5	52.5	21.6
2049kbit/s-5120kbit/s %	24	30.4	32.7	31	5.5	27.4	16.3	25.3	12.6	10.2	37.8
5121kbit/s-10240kbit/s %	7.2	2.9	5.9	1.9	21	0.8	30.7	47.9	2.8	2.7	20.7
10241kbit/s+ %	6.7	0.9	0.2	0.2	70.8	0.1	39.1	22.7	0.4	0.8	13.8

Kansas

	Entire State	WICHITA	TOPEKA	DODGECITY	SHAWNEEMISSION	MANHATTAN	OLATHE	LENORA	KANSASCITY	HAYS	LAWRENCE
Average kbit/s	3514.4	3885.9	2330.5	1770.2	3232.9	6886.4	5028.6	1605.1	3298	2827	7012
<256kbit/s %	1.9	0.6	1.3	1.4	0.6	2.7	0	3.3	0.1	8.4	0.3
257-768kbit/s %	5.2	2.2	3.6	11.1	2.2	1.6	0.2	7.4	1.2	18.2	3.6
767-2048kbit/s %	24.7	18.7	39.4	53.7	23.6	3.1	2.6	69.6	19.7	28.5	13.2
2049kbit/s-5120kbit/s %	48.4	54.3	53.7	33.5	64.2	31.8	52.5	19	71.4	30.3	23.8
5121kbit/s-10240kbit/s %	17.8	22.5	2	0.3	8.7	47.3	43.7	0.5	7.5	10.8	40.9
10241kbit/s+ %	2	1.6	0.1	0	0.6	13.6	0.9	0.1	0.1	3.8	18.1

Kentucky

	Entire State	LOUISVILLE	LEXINGTON	OWENSBORO	BOWLINGGREEN	ELIZABETHTOWN	PADUCAH	GLENSFORK	LONDON	MOREHEAD	RICHMOND
Average kbit/s	4475.3	6341.6	3247.9	2050.9	2863.9	1557.8	4453.1	902.2	1937.1	3751.5	9434.2
<256kbit/s %	4.2	0.5	18	5.9	6.8	6	2.5	0.5	0	0.6	0.2
257-768kbit/s %	6.3	0.8	11.2	4.4	2.5	23.3	2.3	65.9	0.3	1.3	0.5
767-2048kbit/s %	24.4	12.1	27.4	48.2	38.8	48	10.9	29.1	64.4	31.3	5.5
2049kbit/s-5120kbit/s %	27.5	21.9	22.3	39.9	40.6	21.5	46.1	4.3	34.9	42	36.1
5121kbit/s-10240kbit/s %	31.1	54.5	14	1.4	9.3	0.6	37.4	0.2	0.3	22.3	25.1
10241kbit/s+ %	6.5	10.2	7.1	0.2	2.2	0.6	0.8	0	0	2.4	32.6

Louisiana

	Entire State	MONROE	NEWORLEANS	BATONROUGE	SHREVEPORT	LAFAYETTE	SLIDELL	LAKECHARLES	WESTMONROE	THIBODAUX	HAMMOND
Average kbit/s	3320.8	1766.3	3877	5039.5	1862.5	2759.8	3804.5	4004.3	4982.2	3689.9	6181.2
<256kbit/s %	2	4.9	0.8	0.5	1.4	0.6	0	0.1	0	0.1	0.5
257-768kbit/s %	4.9	9.8	2.3	2.6	4	3.1	0.4	3.8	0.3	0.7	1.9
767-2048kbit/s %	40.7	61.9	34.3	22.2	67.4	62.7	3.3	20.6	4	3.4	18
2049kbit/s-5120kbit/s %	32.5	19.7	37.3	32.3	26	26.5	88.4	43	50	90.5	31.4
5121kbit/s-10240kbit/s %	17	3.4	21.7	35.3	0.5	3.9	7.7	32.4	45.1	5.1	31.6
10241kbit/s+ %	2.8	0.3	3.7	7.1	0.7	3.1	0.1	0.2	0.7	0.1	16.6

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Maine

	Entire State	PORTLAND	BRUNSWICK	ORONO	BIDDEFORD	BUCKFIELD	STANDISH	GORHAM	NORTHANSON	HAMPDEN	WATERVILLE
Average kbit/s	5044.7	4245	6392.5	11395.6	3312.6	2354.3	1886	21057.5	1796.4	1900.4	10337.9
<256kbit/s %	1.3	0.2	1.1	0.6	3.8	12.7	0.3	0.2	11.4	0.6	5
257-768kbit/s %	3.2	2.5	2.7	1.9	3	4.6	5.9	0.4	3.3	5.5	3.2
767-2048kbit/s %	14.4	11.9	6.5	6.6	10.4	40.9	56.3	3	44.9	54	9.4
2049kbit/s-5120kbit/s %	49.7	54.6	58	25.9	74.8	32	37.4	15.7	40.5	39.7	19.7
5121kbit/s-10240kbit/s %	26.9	30.3	20.6	38.3	7.7	9	0.1	35.9	0	0.2	24.8
10241kbit/s+ %	4.6	0.5	11	26.7	0.3	0.9	0	44.7	0	0	37.8

Maryland

	Entire State	ELKRIDGE	BALTIMORE	CAPITOLHEIGHTS	GERMANTOWN	ROCKVILLE	LANHAM	OWINGSMILLS	WALDORF	HYATTSVILLE	COLLEGEPARK
Average kbit/s	4266.9	1449.5	5345.9	6042.6	2707.7	5954	5236.7	5886.9	6229.4	10383.2	14884.6
<256kbit/s %	3.8	4.3	3.4	0	12.6	0.1	1.8	0.1	0.1	0.5	0.2
257-768kbit/s %	16	43.9	3.5	0.1	13.4	0.4	0.4	0.3	0.1	3.6	0.6
767-2048kbit/s %	24.9	42.7	27.2	1.3	31.4	2.6	9.5	2.5	1.5	15.9	1.8
2049kbit/s-5120kbit/s %	22.4	4.3	27.3	34.5	27	34.5	39.8	35.5	31.2	17.5	17.6
5121kbit/s-10240kbit/s %	27	2.7	29	60.4	11.9	58.6	45	58.5	62.6	23.9	44.7
10241kbit/s+ %	6	2.1	9.7	3.8	3.6	3.9	3.5	3.2	4.4	38.6	35

Massachusetts

	Entire State	BOSTON	CAMBRIDGE	OXFORD	SPRINGFIELD	LOWELL	NEEDHAM	WOBURN	WALTHAM	MALDEN	BROOKLINE
Average kbit/s	5129.4	3192.8	12954	4931.6	3512.6	6928.4	6788.6	6562.1	4423.1	6604.6	6330.6
<256kbit/s %	4.5	7.6	4.5	0	1.3	0.1	0.1	0.7	0.3	0.1	0
257-768kbit/s %	9.5	16.5	2	0.4	5.8	0.2	0.2	0.3	6	0.2	0.2
767-2048kbit/s %	24	36.9	9.2	2.2	47.1	2.5	2.6	3	42.7	3.4	3.2
2049kbit/s-5120kbit/s %	24.4	19.7	19.9	58.2	30.1	27.1	26.8	28.6	30.4	28.1	31
5121kbit/s-10240kbit/s %	29.2	14.6	35.2	38.5	10.3	59.3	59.3	57.5	11.2	58.2	57.9
10241kbit/s+ %	8.3	4.7	29.2	0.6	5.4	10.8	11.1	9.9	9.5	10.1	7.7

Michigan

	Entire State	DETROIT	BATTLECREEK	KALAMAZOO	GRANDRAPIDS	BAYCITY	ALLENDALE	LIVONIA	ANNARBOR	SOUTHFIELD	EASTLANSING
Average kbit/s	4197.2	2719.8	2375.4	3389.9	3335.9	4149.7	5929.6	3520.3	13801.6	2807	12928.5
<256kbit/s %	5.6	18	0.1	0.9	3.4	0	0.8	0	0.4	0.8	1.3
257-768kbit/s %	9	26.6	2.1	2.8	4.9	0.5	1.7	0.5	1.3	3.3	2
767-2048kbit/s %	17.9	14.8	48.4	43.9	23.8	3	7.4	16.5	11	41.8	7.3
2049kbit/s-5120kbit/s %	47.3	25.7	44.6	44.4	49	82.5	67.1	72.6	34.9	41.6	22.8
5121kbit/s-10240kbit/s %	16.4	12.8	4.8	5.3	18.3	13.8	17.4	10.2	22.5	12.1	35.3
10241kbit/s+ %	3.7	2.1	0.1	2.7	0.6	0.2	5.6	0.2	29.8	0.4	31.5

Minnesota

	Entire State	MINNEAPOLIS	SAINTPAUL	ROCHESTER	DULUTH	SAINTCLOUD	SHAKOPEE	ANOKA	ANDOVER	NEWPORT	OSSEO
Average kbit/s	4543.6	4677.5	6427.1	3292	2917.9	2113.3	3846	3885.8	3835.6	4291.1	3909.9
<256kbit/s %	3.4	3.3	0.7	0.6	2	1.6	0	0	0	0	0
257-768kbit/s %	6.8	5.8	0.6	1.9	11.1	27.8	0.3	0.2	0.2	0.2	0.5
767-2048kbit/s %	31.2	39.9	6.6	22.7	40.3	42.4	7	7.6	7	4.5	7.3
2049kbit/s-5120kbit/s %	43.6	36.2	63	67.8	40.2	16.9	78.4	78.2	79.1	72.1	77.1
5121kbit/s-10240kbit/s %	9.9	9	19.3	6.1	4	10.4	13.7	13.3	13.2	22.5	14.8
10241kbit/s+ %	5.2	5.6	9.8	0.8	2.3	0.9	0.4	0.7	0.4	0.7	0.4

Mississippi

	Entire State	JACKSON	BILOXI	HATTIESBURG	STARKVILLE	OXFORD	MADISON	CLINTON	MERIDIAN	OLIVEBRANCH	VICKSBURG
Average kbit/s	3728.7	2436.5	1889.9	6077.8	15413.5	7491.3	4127.7	4295.3	5040.1	4785	2759.1
<256kbit/s %	5.3	7.4	2.6	1.1	2.3	1.2	0.1	0	0.1	0.1	1.6
257-768kbit/s %	3.1	3.3	2.7	0.5	1.9	3	0.5	0.8	0.4	0.1	24.7
767-2048kbit/s %	41.1	55.5	58.8	6.1	7.4	11.6	7.4	7.7	3.6	3.3	16.1
2049kbit/s-5120kbit/s %	33	24.9	35.6	58.4	21.8	37.3	69.4	63.9	49.9	57	45.9
5121kbit/s-10240kbit/s %	12.4	7	0.3	24.6	18.4	22.4	22.4	27.1	45.1	39.1	10.5
10241kbit/s+ %	5	1.8	0	9.3	48.3	24.5	0.3	0.4	1	0.4	1.2

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Missouri

	Entire State	KANSASCITY	SAINTLOUIS	SPRINGFIELD	COLUMBIA	INDEPENDENCE	SAINTJOSEPH	CHESTERFIELD	SULLIVAN	SIKESTON	CAPEGIRARDEAU
Average kbit/s	2261.2	1562.2	3409.4	4165.8	4876.3	5064.7	2624.2	2026.4	2156.5	3676	3906.5
<256kbit/s %	8.3	7.4	11.5	0.9	0.8	0	11.7	2.8	7.2	0.1	5.5
257-768kbit/s %	26.7	40.6	1.8	3.3	3.4	0.1	15.5	10.5	13.1	0.8	5.2
767-2048kbit/s %	26.7	29.7	19.4	35.6	9	2.2	19.9	61.4	39.8	9.1	39.2
2049kbit/s-5120kbit/s %	30.3	17.1	56.4	41.4	56.6	51.8	40.6	19.9	35.2	77.8	20.2
5121kbit/s-10240kbit/s %	6.5	4.5	8.1	9.1	24.2	45.2	11.9	4.7	4.4	10.5	23.6
10241kbit/s+ %	1.6	0.6	2.7	9.7	6	0.7	0.4	0.8	0.2	1.6	6.3

Montana

	Entire State	BILLINGS	HELENA	GREATFALLS	LAUREL	MISSOULA	BOZEMAN	CIRCLE	KALISPELL	GLENDIVE	ROUNDUP
Average kbit/s	2719	2024.3	1514.3	1412.2	4029.2	7368.6	7463.7	935.5	1527.6	935.6	825.1
<256kbit/s %	5.8	4.2	1	10.9	2.5	4.6	8	21.1	10	23.1	30.3
257-768kbit/s %	13.4	7.2	6.6	37.8	2	11.1	6	38.6	23.4	36	35.2
767-2048kbit/s %	46.5	60.2	76.2	27.9	19.5	20.4	16	30.4	46.1	30.3	24.9
2049kbit/s-5120kbit/s %	21.1	21.1	15.7	21.2	44.4	18.6	14.9	9.7	17.5	10.4	9.5
5121kbit/s-10240kbit/s %	9	6.7	0.5	2.1	31	17.1	27.5	0.2	2.8	0.2	0.1
10241kbit/s+ %	4.2	0.5	0	0.2	0.6	28.3	27.6	0	0.2	0.1	0.1

Nebraska

	Entire State	OMAHA	LINCOLN	KEARNEY	BLAIR	NORFOLK	AURORA	BLUEHILL	GRANDISLAND	WALTHILL	HEMINGFORD
Average kbit/s	4178.1	4097.5	5615.8	3498.1	1561.5	1985.3	1204.3	1180.9	1625.4	1982.2	790
<256kbit/s %	1.9	1.3	1.2	0.3	3.7	10.5	14.9	7.8	18.6	15.2	13.3
257-768kbit/s %	4.7	2.9	4.2	2.8	20.1	5.5	36.8	23.5	18.7	22.1	46.2
767-2048kbit/s %	25	25.7	20.8	17.3	52.9	36.8	24	61.2	42	14.6	36.6
2049kbit/s-5120kbit/s %	43.9	41.8	48.3	71.6	22.2	46.6	23.7	7.5	12.4	45.8	3.8
5121kbit/s-10240kbit/s %	20.5	25	17.5	6.7	1.1	0.6	0.5	0.1	8.1	2.3	0.1
10241kbit/s+ %	3.9	3.4	7.9	1.3	0.1	0.1	0.1	0	0.2	0	0

Nevada

	Entire State	LASVEGAS	RENO	CARSONCITY	MESQUITE	ELKO	FALLON	WINNEMUCCA	HENDERSON	PAHRUMP	WELLS
Average kbit/s	5183.1	5234.5	5223.1	4944.2	2389.3	1362.9	3871.4	1878.6	8748.2	718.5	1731.3
<256kbit/s %	0.5	0.3	0.7	0	0	27.6	0.4	4.3	0.1	6.7	0.6
257-768kbit/s %	1.9	1.7	1.8	0.7	2.8	5.2	0.6	16.6	1.8	62.4	8
767-2048kbit/s %	20.9	19.4	27.7	3.7	35.8	45.9	15.5	44	8.7	28.6	59.4
2049kbit/s-5120kbit/s %	38.8	36.8	49.4	59.2	59	19.6	60.6	33	7.7	2	31.9
5121kbit/s-10240kbit/s %	29.8	32.9	14.8	35.2	2.5	1.3	22.1	2	64.7	0.3	0.2
10241kbit/s+ %	8.2	8.8	5.5	1.2	0	0.3	0.8	0.1	17.1	0.1	0.2

New Hampshire

	Entire State	MANCHESTER	EXETER	NASHUA	DERRY	CONCORD	BELMONT	DURHAM	PORTSMOUTH	CLAREMONT	HANOVER
Average kbit/s	6344.3	5896.5	6509.5	5683.3	6538.4	6086.4	4602.6	10629.4	5838.2	6012.6	19357
<256kbit/s %	2.9	7.4	0	1	0	0.5	1.6	0.3	2.2	0	0.2
257-768kbit/s %	1.2	0.7	0.2	1.3	0.1	0.9	0.6	0.5	0.8	0.4	0.8
767-2048kbit/s %	7.8	3.8	2.5	10.4	2.7	4.8	8.7	3.9	6.1	6	2.7
2049kbit/s-5120kbit/s %	31.8	27	30	31.5	28.8	33.4	49.2	41	34	32.7	10.7
5121kbit/s-10240kbit/s %	46.6	53.4	58.5	48.7	59.5	53.1	39.3	29.7	49.4	54.9	16.8
10241kbit/s+ %	9.8	7.6	8.8	7	8.8	7.4	0.5	24.5	7.5	6	68.7

New Jersey

	Entire State	NEWARK	LIVINGSTON	HARRISON	BEDMINSTER	CAMDEN	MOUNTLAUREL	MADISON	PENNSAUKEN	ATLANTICCITY	PISCATAWAY
Average kbit/s	3217.8	3189	737.9	810.9	585	5080	5976.4	1626.1	2509.4	1758.5	6388.5
<256kbit/s %	6.1	5.5	11.7	4.8	22.7	0.1	0.1	0.6	3.6	0.1	1.2
257-768kbit/s %	22.4	17.8	46.1	46.3	49.7	2.2	0.3	12.1	9.6	5	0.1
767-2048kbit/s %	28.8	34.6	40.9	47.6	26.6	34	3.2	60.4	44.8	66.2	1.3
2049kbit/s-5120kbit/s %	16.2	18.5	1.3	1.2	0.8	17.4	35.9	26.7	29.5	28.2	28
5121kbit/s-10240kbit/s %	23	19	0	0	0.2	36.2	55.1	0.2	11.5	0.4	63.3
10241kbit/s+ %	3.6	4.7	0	0	0	10.1	5.5	0	1.1	0.1	6

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

New Mexico

	Entire State	ALBUQUERQUE	LASCRUCES	SANTAFE	HOBBS	LOSLUNAS	LOSALAMOS	SILVERCITY	CEDARCREST	SOCORRO	TAOS
Average kbit/s	3504.5	3269.1	5024.6	3608	2872.6	5738.8	5149.4	2379	22258.6	3051.1	1013
<256kbit/s %	1.8	1.2	1.7	2.2	1.4	0	0.3	26	0.1	7.4	16.4
257-768kbit/s %	5.2	5.1	2.1	5.3	4	0.3	0.6	18.9	0.2	22.2	32.1
767-2048kbit/s %	47.2	53.3	14	14.1	26.6	3.5	5.2	12.7	5.2	19.3	42.6
2049kbit/s-5120kbit/s %	29.4	26.6	43.6	61.4	62.4	45.7	60	24.2	9.1	30.7	8.5
5121kbit/s-10240kbit/s %	13.1	11	32.3	16.3	5.5	43.8	28.4	18	18.1	17.5	0.2
10241kbit/s+ %	3.3	2.8	6.4	0.7	0.1	6.7	5.5	0.3	67.4	3	0.3

New York

	Entire State	MANHATTAN	HICKSVILLE	ROCHESTER	ALBANY	SYRACUSE	BROOKLYN	BUFFALO	BRONX	BINGHAMTON	STATENISLAND
Average kbit/s	5518.7	5055	6480.5	5160.9	4713.8	5750.1	6647.2	5022.2	6108.7	5149.7	6031.3
<256kbit/s %	2.1	3.1	0.1	0.5	1.5	1	0	1.3	0.3	0.5	0.1
257-768kbit/s %	3	4.4	0.2	2.3	4.1	2	0.2	5.1	0.6	2	0.4
767-2048kbit/s %	17.6	25.8	2.6	13.2	15.2	12.1	1.1	35.9	1.3	12.4	5.9
2049kbit/s-5120kbit/s %	32.4	32.3	26.1	43.4	40.2	36	27.8	21	34.9	41.9	31.4
5121kbit/s-10240kbit/s %	36.8	25.2	64	35.9	35.5	44	63.8	23.3	58.9	39.3	56.6
10241kbit/s+ %	8	9.2	6.9	4.7	3.5	4.9	7	13.4	4.1	3.9	5.6

North Carolina

	Entire State	CHARLOTTE	RALEIGH	GREENSBORO	WINSTONSALEM	WILMINGTON	FAYETTEVILLE	DURHAM	HICKORY	CHAPELHILL	ASHEVILLE
Average kbit/s	4214.5	3494.6	4356.7	1399.9	5452.4	4888	4963.7	14617.5	4616.8	18455.2	5340.2
<256kbit/s %	5	4.5	5.5	12.3	0.1	0.3	0.4	0.5	0.1	0.3	1.6
257-768kbit/s %	12.3	6.7	3.3	50.9	2.7	2.3	3.3	1.3	0.7	0.6	4.6
767-2048kbit/s %	23.2	25.1	19.6	30.5	18.3	22.8	11	10.2	3	2.5	9.3
2049kbit/s-5120kbit/s %	33.8	41.3	43.2	3	32.4	39.7	40.9	17.5	67	13.5	54.5
5121kbit/s-10240kbit/s %	20.1	20.8	24.2	1.4	39.3	30.2	41.5	21.7	28.9	22.4	23.5
10241kbit/s+ %	5.6	1.7	4.2	2	7.1	4.6	3	48.8	0.3	60.7	6.6

North Dakota

	Entire State	FARGO	GRANDFORKS	MINOT	BISMARCK	DICKINSON	DEVILSLAKE	HAZEN	CARRINGTON	ELLENDALE	PARKRIVER
Average kbit/s	4141	4389.1	8304.3	3017.5	3054.8	2744.6	2450.3	2567.8	2155.4	2120.8	3584.1
<256kbit/s %	5.2	4	1.3	7	3.1	4.3	5.4	3.8	27.7	2.8	4.2
257-768kbit/s %	9.4	10.1	1	19.6	7.1	16.3	19	1.3	8.1	7.3	0.2
767-2048kbit/s %	28.9	29.3	8	19.7	54.8	37.6	27.2	37.2	17.9	31.5	4.2
2049kbit/s-5120kbit/s %	41.3	41.3	53.9	41.4	24.9	28.8	41	56.3	42.3	57.4	83.9
5121kbit/s-10240kbit/s %	8.4	8.2	15.4	8.3	5.5	9.1	6.6	1.5	4	0.9	7.3
10241kbit/s+ %	6.7	7.1	20.5	3.9	4.6	3.9	0.9	0	0	0.1	0.2

Ohio

	Entire State	CINCINNATI	CLEVELAND	COLUMBUS	AKRON	DAYTON	TOLEDO	CANTON	YOUNGSTOWN	KENT	LIMA
Average kbit/s	3627.5	2614.1	2711.7	4638.4	3538.3	3954.1	5607.3	4559.6	4024.4	7426.8	3755.9
<256kbit/s %	6.4	14.5	9.3	1.6	0.2	0.7	2.4	0.4	0.7	0.4	3
257-768kbit/s %	9.6	20.3	11.5	3.1	3.7	3.1	1.3	4.5	7.1	2.7	4.9
767-2048kbit/s %	23	19.6	36.6	16.1	21.6	19.2	20.7	24.1	36.1	11	26.1
2049kbit/s-5120kbit/s %	40.9	31.9	35.4	49.9	55.6	48.8	45	40.5	36.7	38.8	38
5121kbit/s-10240kbit/s %	16.5	11.5	4.5	24.8	18.5	27.1	21.2	24.5	12.4	30.3	24.9
10241kbit/s+ %	3.5	2.2	2.7	4.6	0.4	1.1	9.4	5.9	7	16.8	3.1

Oklahoma

	Entire State	OKLAHOMACITY	TULSA	STILLWATER	KINGFISHER	MANNFORD	NORMAN	ENID	TAHLEQUAH	MUSKOGEE	BIXBY
Average kbit/s	4861.5	4704.3	3911.4	13536	1263.8	1324.1	29583.3	2936.4	15221.9	2831.9	2114.6
<256kbit/s %	1.5	0.8	0.8	0.6	4.3	16.6	0.1	0.2	0.8	0.1	2.2
257-768kbit/s %	4	2.3	3	2.7	12.6	19.6	1.9	1.9	14.7	0.8	15.9
767-2048kbit/s %	21.2	16.6	33.5	15.1	74.6	36.1	3.3	22.5	11.9	26.6	32.4
2049kbit/s-5120kbit/s %	40.6	42.5	41.2	33.5	8.4	27.4	7.5	73	20.8	70.8	46.9
5121kbit/s-10240kbit/s %	26.4	33	16.5	10.6	0	0.2	16.5	2.3	5.3	1.6	2.2
10241kbit/s+ %	6.3	4.8	5.1	37.5	0	0.1	70.8	0	46.5	0.2	0.4

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Oregon

	Entire State	PORTLAND	BEAVERTON	EUGENE	TROUTDALE	SALEM	CORVALLIS	MEDFORD	BEND	GRANTSPASS	ROSEBURG
Average kbit/s	4340.1	3592	6157.4	3241.1	6443.6	7081	5923.2	2922.8	2857.9	2822.9	2544.7
<256kbit/s %	1.8	1.8	0.5	1	0	0.7	2.2	5.2	6.6	9.3	12.9
257-768kbit/s %	4	4.7	1.4	4	0.1	0.5	1.6	7.4	7.5	13.1	4.9
767-2048kbit/s %	32.5	43.4	6.3	52.7	2.8	4.2	7.8	31.6	34.7	24.4	32.3
2049kbit/s-5120kbit/s %	29.9	29.8	30.4	23.5	30.7	28.1	31.8	43.3	32.3	38.2	41.7
5121kbit/s-10240kbit/s %	26.3	15.9	53.1	15.1	58	54	48.8	12	18.5	14.8	7.8
10241kbit/s+ %	5.6	4.5	8.4	3.6	8.4	12.5	7.7	0.5	0.4	0.1	0.5

Pennsylvania

	Entire State	PHILADELPHIA	PITTSBURGH	HARRISBURG	BUTLER	WARMINSTER	WALLINGFORD	SCRANTON	EPHRATA	ALLENTOWN	UNIVERSITYPARK
Average kbit/s	4415.8	3426.4	5785.2	3165.5	3345.9	5969.6	6181.1	2780.3	3305.4	4872.1	18497.1
<256kbit/s %	4.5	7.8	3.2	2	0.5	0	0	0.4	0.6	1.5	1
257-768kbit/s %	7.9	15.3	3.5	6.2	3.7	0.1	0.1	3.1	3.2	1.8	0.3
767-2048kbit/s %	24.9	33.1	25.6	43.2	27.8	1.7	1.4	38.9	30.2	13.5	0.9
2049kbit/s-5120kbit/s %	32.9	22.4	31.1	30.3	51.5	36.7	32.7	50.4	50.2	39.2	19.1
5121kbit/s-10240kbit/s %	24	15.6	26.2	14.8	16.3	57.4	61	6.2	15	41.3	31.4
10241kbit/s+ %	5.8	5.7	10.4	3.6	0.2	4	4.8	1.1	0.7	2.5	47.3

Rhode Island

	Entire State	PROVIDENCE	KINGSTON	SMITHFIELD	WARREN	WARWICK	MIDDLETOWN	NEWPORT	PAWTUCKET	NORTHKINGSTOWN	CRANSTON
Average kbit/s	5563.6	5238.8	21167.3	25116.8	2729	7426.3	2758.8	5063.7	3477.3	5122.1	2746.9
<256kbit/s %	0.9	1	0.4	0.2	0.2	2.8	2.3	2.4	2.1	0.6	1.4
257-768kbit/s %	1.2	0.9	0.8	0.8	22.3	34.3	1.7	7.2	5.8	3.1	12.3
767-2048kbit/s %	13.7	13.8	3.1	2.3	11	20.4	29.8	13.9	18.4	26.9	40.6
2049kbit/s-5120kbit/s %	51.2	52.1	8.9	14.9	62.4	5.2	60.9	34.4	61.6	48.1	34.8
5121kbit/s-10240kbit/s %	26.7	27	18.7	29.7	4.1	9.9	3.6	39.2	11.6	15	8.7
10241kbit/s+ %	6.3	5.2	68	52	0	27.3	1.7	2.9	0.5	6.9	2.2

South Carolina

	Entire State	COLUMBIA	CHARLESTON	GREENVILLE	GREER	ROCKHILL	SPARTANBURG	CONWAY	MOUNTPLEASANT	HILTONHEADISLANC	FLORENCE
Average kbit/s	4257.1	4306	4702	4258.8	2011	4010.2	4471.6	2612.3	4888.9	2985.3	2318
<256kbit/s %	1.8	2.1	0.5	0.3	0.6	1.3	0.3	3.4	0	2.8	1.5
257-768kbit/s %	3.3	3.9	1.6	1.6	2.7	0.6	2.5	3.2	0.2	3.5	2.8
767-2048kbit/s %	22	19	21.1	11.5	59.6	4.3	5.5	31.1	3.3	22.4	45.1
2049kbit/s-5120kbit/s %	47.9	41.1	50.4	60.9	35.9	78.6	63.7	56.8	54.8	61.1	47.5
5121kbit/s-10240kbit/s %	21.5	30.7	18.3	25.3	0.9	14.2	27.5	5	41	9.6	2.9
10241kbit/s+ %	3.5	3.2	8.1	0.5	0.3	0.9	0.6	0.5	0.7	0.6	0.2

South Dakota

	Entire State	SIOUXFALLS	BROOKINGS	WALL	PIERRE	ABERDEEN	GARRETSON	WOONSOCKET	CLEARLAKE	HIGHMORE	COLMAN
Average kbit/s	3858.7	3712.7	8530.7	1684.2	3619	2146.8	2197.9	1633.7	686.6	887.3	1015.5
<256kbit/s %	2.5	1.4	5.3	10.8	1.2	2.8	1.6	5.7	4.5	1.9	0.9
257-768kbit/s %	6.7	3.9	11.3	8.7	4	11.8	9.7	3.7	87.7	32.9	17.3
767-2048kbit/s %	23.4	17.5	16.2	49.8	37.2	46.8	51.8	68.4	3	64.1	81
2049kbit/s-5120kbit/s %	46.2	55.3	18.5	29.9	32.6	33.5	27.9	22	3.1	0.8	0.7
5121kbit/s-10240kbit/s %	17.9	21.3	19.7	0.8	21.5	4.7	8.7	0.2	1.7	0.3	0
10241kbit/s+ %	3.2	0.6	29.1	0	3.5	0.4	0.3	0	0	0.1	0.1

Tennessee

	Entire State	NASHVILLE	MEMPHIS	KNOXVILLE	KINGSPORT	CHATTANOOGA	JACKSON	WINCHESTER	OAKRIDGE	JOHNSONCITY	GALLATIN
Average kbit/s	3771.4	3961.6	2703.3	3581	3403.2	4587.4	3564.3	4612.7	5767.5	3750.3	5263.3
<256kbit/s %	2.1	1.4	4.5	4.3	0	0.5	0.2	0	0.3	0.1	0
257-768kbit/s %	3.2	2.7	3.3	2.3	0.4	1.1	0.9	0.3	0.4	1.8	0.4
767-2048kbit/s %	21.1	22.2	42	27.8	5	20.4	5.5	5	4.3	16.5	5.4
2049kbit/s-5120kbit/s %	50.8	46.3	41	47.1	91.5	37.1	87.9	60.3	46.7	61.5	41.8
5121kbit/s-10240kbit/s %	20.6	25.2	6.9	15.3	3	38.4	4.9	33.6	42	19.7	50.8
10241kbit/s+ %	2	2.2	2.3	3.3	0	2.4	0.6	0.8	6.2	0.3	1.6

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Texas

	Entire State	DALLAS	HOUSTON	FORTWORTH	RICHARDSON	SANANTONIO	AUSTIN	ELPASO	WACO	CORPUSCHRISTI	ATHENS
Average kbit/s	3080.7	2401	3179.2	1218.2	2743.3	3917.7	5726.9	3844.4	4253.7	2909.2	3151.3
<256kbit/s %	6.4	11.1	8.3	6.4	0.3	0.6	0.5	0.1	0.2	2.5	0.4
257-768kbit/s %	16.3	20.7	12	51	1.7	2	2.1	3.3	2.2	4.5	1.1
767-2048kbit/s %	27.9	32.4	28.8	30.8	32.6	16.6	13.7	25.6	18.3	25.4	21.9
2049kbit/s-5120kbit/s %	35.5	25	36.7	7.5	59.1	60	54.7	59.1	56.8	61.1	71.5
5121kbit/s-10240kbit/s %	11.2	9.1	10.8	3.8	6	18.9	22	7.2	18.4	5.9	5
10241kbit/s+ %	2.7	1.7	3.3	0.4	0.3	1.8	7	4.7	4.1	0.7	0

Utah

	Entire State	SALTLAKECITY	OGDEN	OREM	PROVO	LOGAN	ROOSEVELT	SAINTGEORGE	CEDARCITY	SPANISHFORK	SANDY
Average kbit/s	4791.2	4195.7	5490.7	6230.6	9017.6	28984.6	2181.3	6173.2	6443.7	22309.8	34933.2
<256kbit/s %	4	4.4	0.1	0.4	0.7	0.1	3.7	11.4	6.2	0.1	0.5
257-768kbit/s %	12.8	14.7	0.4	0.5	3.2	0.3	5.8	14.2	11.9	0.4	2.6
767-2048kbit/s %	34.7	38.8	4.4	4.7	8.1	2.4	27.8	21.5	40.3	2.6	17.2
2049kbit/s-5120kbit/s %	30.5	26.8	67.3	67.8	21.9	11.3	61.8	24.6	13.9	11.5	11.6
5121kbit/s-10240kbit/s %	10.2	8.5	24.4	20.2	36.2	23	0.9	10.2	10.6	30.6	7.7
10241kbit/s+ %	7.9	6.9	3.5	6.5	29.9	63	0	18	17.1	54.8	60.4

Vermont

	Entire State	BURLINGTON	WILLISTON	MILTON	HINESBURG	RUTLAND	BENNINGTON	MONTPELIER	DANVILLE	MIDDLEBURY	SPRINGFIELD
Average kbit/s	5808.4	9863.6	5521.2	5671.4	2481.2	6205.9	6497.9	5714	4252.2	9677.3	2991.5
<256kbit/s %	3.3	5.7	0.1	0	2.2	0.1	0.1	0.2	0	2.6	4.1
257-768kbit/s %	2.5	1.2	0.8	0.3	1.1	0.7	0.3	0.8	1.2	2.3	24.1
767-2048kbit/s %	12.5	7.6	6.7	7.7	34.2	8.6	5.9	9.9	4.3	10.6	12
2049kbit/s-5120kbit/s %	36.3	21.5	37.4	33.6	60.1	27.5	27.8	33.2	74.8	11.6	41.3
5121kbit/s-10240kbit/s %	35.4	33.7	51.5	54.6	2.4	54.1	55.4	49.4	19.5	34.4	18.1
10241kbit/s+ %	10	30.2	3.5	3.7	0.1	9.1	10.6	6.5	0.3	38.6	0.5

Virginia

	Entire State	HERNDON	CHANTILLY	RESTON	RICHMOND	HAMPTON	ARLINGTON	ASHBURN	NORFOLK	CULPEPER	ROANOKE
Average kbit/s	4645	3413.2	6359.4	2821.9	5504.1	4501	4628	4022.7	4211.6	4715.4	3507.6
<256kbit/s %	6.4	8.3	4.4	1.4	0.6	0.3	1.7	16.1	0.2	0.1	2.4
257-768kbit/s %	21.6	33.6	7.4	6.6	3.4	0.8	3	6.2	4.3	2.3	5.6
767-2048kbit/s %	20.9	24.4	15.1	50.8	18.8	11.8	18.3	24.2	41.9	29	29.9
2049kbit/s-5120kbit/s %	26.3	15.2	40.6	27.1	30.3	53.8	40.3	34.2	28	28.5	38.2
5121kbit/s-10240kbit/s %	14.8	9.3	20.8	10.4	37.2	31.8	32.4	14.1	16.9	32.6	22
10241kbit/s+ %	10	9.1	11.6	3.8	9.8	1.6	4.4	5.2	8.7	7.5	1.9

Washington

	Entire State	SEATTLE	SPOKANE	TACOMA	BELLEVUE	EVERETT	VANCOUVER	KIRKLAND	OLYMPIA	FEDERALWAY	FERNDALE
Average kbit/s	3349.6	2353	3435.7	6083.6	6408.2	6794.5	6349.3	2007.4	6350.1	6245.4	6508.7
<256kbit/s %	5.5	7.5	1.9	0.5	0.1	0.6	0.5	1	0.1	0	0
257-768kbit/s %	23.1	32.4	4.5	0.9	0.3	1.2	0.7	9.1	0.4	0.2	0.1
767-2048kbit/s %	28.7	34.7	43.6	4.3	3.2	4.7	4.1	47.4	3.8	2.2	2.3
2049kbit/s-5120kbit/s %	19.8	13.6	27.8	36.1	36.1	30.4	30.1	41.4	32.2	32.6	30.9
5121kbit/s-10240kbit/s %	18.8	9.1	19	50.5	51.9	52.7	56.4	0.8	55.5	58.5	57.8
10241kbit/s+ %	4.1	2.7	3.2	7.8	8.5	10.4	8.2	0.3	7.9	6.5	8.9

West Virginia

	Entire State	CHARLESTON	MORGANTOWN	CLARKSBURG	HUNTINGTON	WHEELING	BLUEFIELD	RANSON	PARKERSBURG	SAINTMARYS	DAVIS
Average kbit/s	4936.2	3147.5	11316.3	1654.2	11976.1	5125.3	2891.5	5817.2	2605.6	1107.6	1385.4
<256kbit/s %	2.8	1.5	2.2	0.3	0.3	2.1	7.3	0	5.2	1.2	6.7
257-768kbit/s %	5.6	6.9	1.8	6.9	1.2	2.3	4	0.8	3.4	16.4	6.2
767-2048kbit/s %	38.4	51.1	9.8	66.5	8.8	7	27.3	8.2	15.3	79	74.3
2049kbit/s-5120kbit/s %	30.2	28.7	27.3	26.2	46.5	35.4	50.2	28.8	74.2	3.4	12.9
5121kbit/s-10240kbit/s %	14.9	8.3	32.3	0.1	13.7	51.5	11	58.1	1.8	0	0
10241kbit/s+ %	8.1	3.4	26.6	0	29.6	1.7	0.2	4.1	0.1	0	0

Table 2: Average Download Speeds by Top Cities (4-Week Mean Internet Speeds, August 2009)

Wisconsin

	Entire State	MILWAUKEE	MADISON	APPLETON	EAUCLAIRE	STEVENSPOINT	FONDDULAC	KENOSHA	NEWBERLIN	RACINE	GREENBAY
Average kbit/s	4902.8	4509.5	7520.5	3614.6	4929.2	4322.2	4021.4	5215.6	3488.5	4435.6	3868.2
<256kbit/s %	1.9	1.7	0.8	0.5	0.5	0.6	0.8	0.6	1.3	0.1	1.3
257-768kbit/s %	3.9	3.5	2.5	4.5	1.6	0.6	0.6	2.2	10	2.6	8.9
767-2048kbit/s %	21	24.9	15.4	22.6	13.4	4	3.8	15.9	22.4	11.4	40.3
2049kbit/s-5120kbit/s %	49.7	44.5	54.2	49.3	66.9	79.4	83.3	42.4	41.7	49.3	29.3
5121kbit/s-10240kbit/s %	17.6	20.2	13.3	22.6	12.2	12.8	11.1	32.6	24.1	35.9	13
10241kbit/s+ %	5.9	5.2	13.8	0.5	5.3	2.7	0.5	6.3	0.6	0.7	7.2

Wyoming

	Entire State	CHEYENNE	SHERIDAN	GILLETTE	LARAMIE	RIVERTON	ROCKSPRINGS	BASIN	TORRINGTON	POWELL	CASPER
Average kbit/s	2751.1	2413.1	1700.2	1127	13800.4	2416.6	3184.6	1339.6	2353.9	4227.8	1204.8
<256kbit/s %	2.6	1.1	2.9	8.8	1.1	19.2	2.2	0.4	5.3	3.5	24.9
257-768kbit/s %	11.8	11.3	17.2	20.2	0.9	10.4	6.2	10.2	13.2	9.2	13.1
767-2048kbit/s %	45.6	46.8	51	63.2	3.9	33.5	21.5	82.4	45.2	19.8	49.1
2049kbit/s-5120kbit/s %	29.4	32.5	26.8	7.4	18.5	20.3	54.6	6.5	25.5	29.1	11.1
5121kbit/s-10240kbit/s %	7.9	7	1.7	0.3	32.3	14.8	13.7	0.5	9	35	1.4
10241kbit/s+ %	2.9	1.3	0.3	0	43.4	1.7	1.7	0	1.8	3.4	0.4