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## Local Telephone Competition: Status as of June 30, 2009

Industry Analysis and Technology Division  
Wireline Competition Bureau  
September 2010



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## Local Telephone Competition: Status as of June 30, 2009

**Introduction.** This is the second of our reports about local telephone service in the United States that includes comprehensive information about subscribership to interconnected Voice over Internet Protocol (“interconnected VoIP”) service as well as comprehensive information about the more traditional telephone service lines.<sup>1,2</sup> The report summarizes data collected by FCC Form 477 as of June 30, 2009.

We include certain ZIP Code-based information in the report.<sup>3</sup> At present, there is no Form 477 requirement to report any telephone service information at the census-tract level of detail.<sup>4</sup> We also update summary statistics for the mobile telephony subscribership information collected by Form 477.<sup>5</sup>

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<sup>1</sup> The first such comprehensive report, which was released in June 2010, is available at <http://www.fcc.gov/wcb/iatd/comp.html>. It contains more extensive citations for the Commission’s adoption, in 2008, of improvements to the FCC Form 477 data collection program, which made reporting mandatory for providers of retail interconnected VoIP services as well as for local exchange carriers and facilities-based providers of mobile telephony service. Qualifying entities file FCC Form 477 each year on March 1 (reporting data for the preceding December 31) and September 1 (reporting data for June 30 of the same year). The first data collected on Form 477 were for December 31, 1999. Effective with the filing of data as of December 31, 2008, Form 477 is a Web-based electronic filing system. Information about the filing system and the Form 477 program generally is available at <http://www.fcc.gov/form477/>.

<sup>2</sup> The FCC’s rules (at 47 C.F.R. § 9.3) state:

An interconnected Voice over Internet Protocol (VoIP) service is a service that:

- (1) Enables real-time, two-way voice communications;
- (2) Requires a broadband connection from the user’s location;
- (3) Requires Internet protocol-compatible customer premises equipment (CPE); and
- (4) Permits users generally to receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network.

We note that the current interpretation of element (4) of the definition excludes the VoIP services that Skype offers in the United States, and subscribers to those services are not reported on Form 477. Prior to the December 2008 data, companies such as Vonage that solely provide interconnected VoIP service did not file Form 477. Telephone companies and cable companies that provided local exchange telephone service were required to file Form 477 but were not required to report interconnected VoIP subscriptions. However, some of these companies chose to include interconnected VoIP subscriptions in the number of retail (end-user) switched access lines that they reported.

<sup>3</sup> Wireline service providers report whether they have at least one residential or business customer in each ZIP Code, using either switched access or interconnected VoIP. Because providers may not offer service across an entire ZIP Code and because different providers may target different customer segments in areas where they provide service, we cannot conclude that the number of providers identified as delivering wireline service within a ZIP Code represents the number of options available to any specific customer within that ZIP Code. We further note that these data on the number of providers in a ZIP Code do not indicate whether a particular provider is offering service solely over its own last-mile facilities or is using the facilities of another carrier or entity.

<sup>4</sup> This contrasts with the census tract-based broadband reporting requirements the Commission adopted in 2008, at which time the Commission sought comment about requiring local exchange carriers and interconnected VoIP service providers to report the number of voice telephone service connections, and the percentage of these that are residential, at the 5-digit ZIP Code or census tract level of detail. *See Development of Nationwide Broadband Data to Evaluate Reasonable and Timely Deployment of Advanced Services to All Americans, Improvement of Wireless Broadband Subscribership Data, and Development of Data on Interconnected Voice over Internet Protocol (VoIP) Subscribership*, WC Docket No. 07-38, Further Notice of Proposed Rulemaking, 23 FCC Rcd 9691 (2008) at 9708, para. 33.

### **Explanation of terminology used in this report.**

- We use “Non-ILEC” to refer to any service provider who does not have incumbent local exchange carrier (ILEC) regulatory status, including, for example, competitive local exchange carriers (CLECs), including both those who provide service over their own facilities and those who employ ILEC facilities or services, cable companies without CLEC regulatory status who provide interconnected VoIP service, and over-the-top (OTT) interconnected VoIP providers who neither own nor operate telecommunications facilities.
- All “VoIP subscriptions” discussed in this report are interconnected VoIP subscriptions.
- When referring specifically to ILECs, we use the term “total lines” to mean the sum of ILEC-reported retail (end-user) switched access lines, ILEC interconnected VoIP subscriptions, and ILEC wholesale switched access lines and unbundled network elements (UNEs) provided to CLECs.
- We specify “RBOC” and “Other ILEC” when we wish to distinguish between information reported by the Regional Bell Operating Companies (that is, AT&T, Qwest, and Verizon) and information reported by all other ILECs as a group.
- We place information into the non-ILEC category if it pertains to the CLEC affiliate of an ILEC who is not one of the RBOCs.
- We place information into the ILEC category to the extent the information pertains to the CLEC affiliate of an RBOC who is operating within the RBOC’s ILEC service area.
- When counting service providers who have any retail customers in a particular geography (for example, a state or a ZIP Code), we count a holding company or common-control entity no more than once in any specified sub-category of total providers.
- Nationwide counts of providers are unique counts for any specified sub-category of total providers (for example, all non-ILECs or all interconnected VoIP providers); an entity operating in multiple states is counted only once.

**Wireline retail local telephone service.** Retail local telephone service customers are served by two wireline technologies – “end-user” switched access lines and interconnected VoIP “subscriptions.” The Form 477 program counts lines and subscriptions as the maximum number of voice calls that can be active at one time from the retail customer’s location (for example, a business customer’s premises) under the service plan that the end user has purchased from a local exchange carrier or interconnected VoIP service retailer.<sup>6</sup>

- In June 2009, there were 133 million end-user switched access lines in service and 23 million interconnected VoIP subscriptions in the United States, or about 157 million wireline retail local telephone service connections in total. Of these, 93 million were residential connections and 64 million were business connections. See Figure 1.

(Continued from previous page)

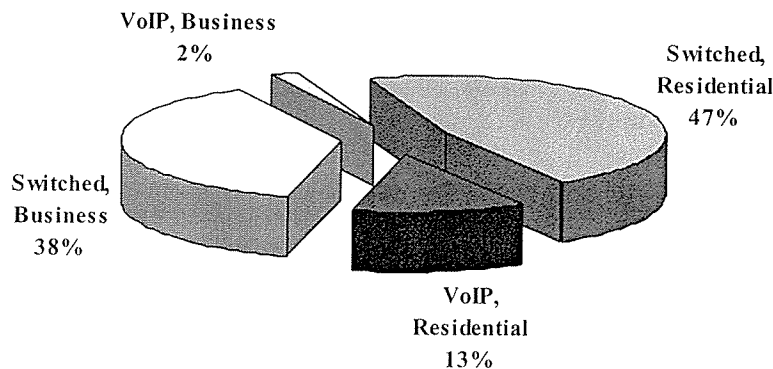
<sup>5</sup> The presentation of mobile wireless telephone subscriber counts in this report does not constitute, or imply, Commission analysis of the extent to which wireline and mobile wireless telephone services are demand substitutes or complements in general or in any particular situation. In the Form 477 program, commercial mobile radio service (CMRS) carriers who own or operate wireless networks report both their retail telephone service customers and the retail customers of mobile wireless telephone service resellers.

<sup>6</sup> Form 477 data may not count all VoIP phone connections to IP PBX equipment that is owned by end users because of the variety of ways the PBX may connect to the public switched telephone network.

- Interconnected VoIP subscriptions increased by 10% during the first six months of 2009 (from 21 million to 23 million subscriptions) and switched access lines decreased by 5% (from 141 million to 133 million lines) for a combined decrease of 3% (from 162 million to about 157 million total wireline retail local telephone service connections).
- Cross-classified by technology and customer type, the 157 million wireline retail local telephone service connections in service at mid-year 2009 were: 47% residential switched access lines, 38% business switched access lines, 13% residential interconnected VoIP subscriptions, and 2% business interconnected VoIP subscriptions. See Figure 1.

**Figure 1**  
**Wireline Retail Local Telephone Service Connections by Technology and Customer Type as of June 30, 2009 (In Thousands)**

	Switched Access Lines	Interconnected VoIP	Total
<b>Residential</b>	73,090	19,871	92,961
<b>Business</b>	60,154	3,591	63,745
<b>Total</b>	<b>133,244</b>	<b>23,462</b>	<b>156,706</b>



**Service providers.** The retailers of wireline local telephone service include a variety of entities that are subject to different federal communications regulation. For example, they include the local telephone companies – both the long-established ILECs and the newer CLECs. They also include cable TV system operators, some of whom acquired CLEC regulatory status to provide switched access lines and others who chose to provide interconnected VoIP service over the communications facilities they own. More recently, they include OTT retailers of interconnected VoIP applications, such as Vonage.

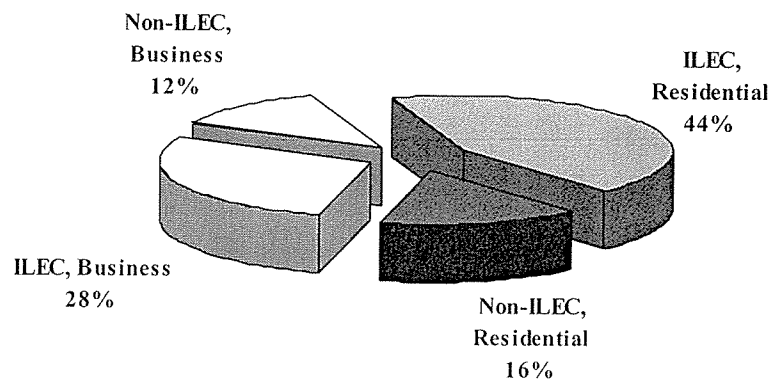
The Form 477 program – and this report – distinguishes ILEC operations from all other operations. Generally, ILEC operations are more closely regulated than non-ILEC operations because they operated as local monopolies for many years. After the Telecommunications Act of 1996 became law, some ILECs established CLEC affiliates (usually within a holding company or common-control structure) that compete against other ILECs. Also, some ILECs have acquired CLECs. In particular, RBOCs AT&T

and Verizon have acquired major CLECs that operated within their ILEC service areas and elsewhere.<sup>7</sup> With this brief overview as background, we report:

- Cross-classified by customer type (residential or business) and the service retailer's regulatory status (ILEC or non-ILEC), the 157 million wireline retail local telephone service connections (including both switched access lines and interconnected VoIP subscriptions) in June 2009 were: 44% ILEC residential service, 28% ILEC business service, 16% non-ILEC residential service, and 12% non-ILEC business service. See Figure 2.

**Figure 2**  
**Wireline Retail Local Telephone Service Connections by Customer Type and Regulatory Status as of June 30, 2009 (In Thousands)**

	Residential	Business	Total
<b>ILEC</b>	68,578	44,165	112,743
<b>Non-ILEC</b>	24,383	19,580	43,963
<b>Total</b>	<b>92,961</b>	<b>63,745</b>	<b>156,706</b>



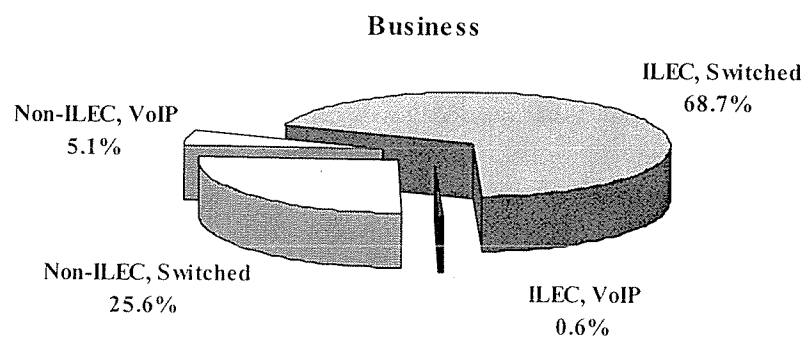
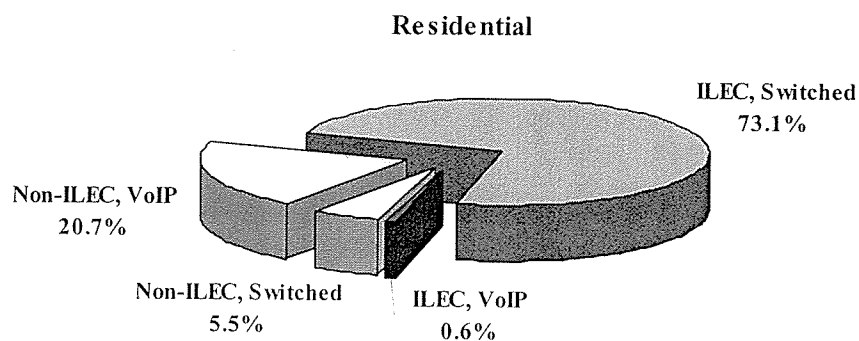
- Additionally cross-classified by technology, the 93 million wireline residential connections in June 2009 were: 73.1% ILEC switched access lines, 20.7% non-ILEC interconnected VoIP subscriptions, 5.5% non-ILEC switched access lines, and 0.6% ILEC interconnected VoIP subscriptions. By contrast, the 64 million wireline business connections were: 68.7% ILEC switched access lines, 25.6% non-ILEC switched access lines, 5.1% non-ILEC interconnected VoIP subscriptions, and 0.6% ILEC interconnected VoIP subscriptions. See Figure 3.

<sup>7</sup> Qwest is the third of the three surviving RBOCs.

**Figure 3**  
**Wireline Retail Local Telephone Service Connections by Technology, Regulatory Status,**  
**and Customer Type as of June 30, 2009 (In Thousands)**

<b>Total</b>	<b>Switched Access Lines</b>	<b>Interconnected VoIP</b>	<b>Total</b>
ILEC	111,786	958	112,743
Non-ILEC	21,458	22,505	43,963
<b>Total</b>	<b>133,244</b>	<b>23,462</b>	<b>156,706</b>
<b>Residential</b>			
ILEC	67,981	597	68,578
Non-ILEC	5,109	19,274	24,383
<b>Residential Total</b>	<b>73,090</b>	<b>19,871</b>	<b>92,961</b>
<b>Business</b>			
ILEC	43,805	361	44,165
Non-ILEC	16,350	3,230	19,580
<b>Business Total</b>	<b>60,154</b>	<b>3,591</b>	<b>63,745</b>

Figures may not add to totals due to rounding.





**Interconnected VoIP service.** Form 477 identifies three types of information about retail interconnected VoIP service.

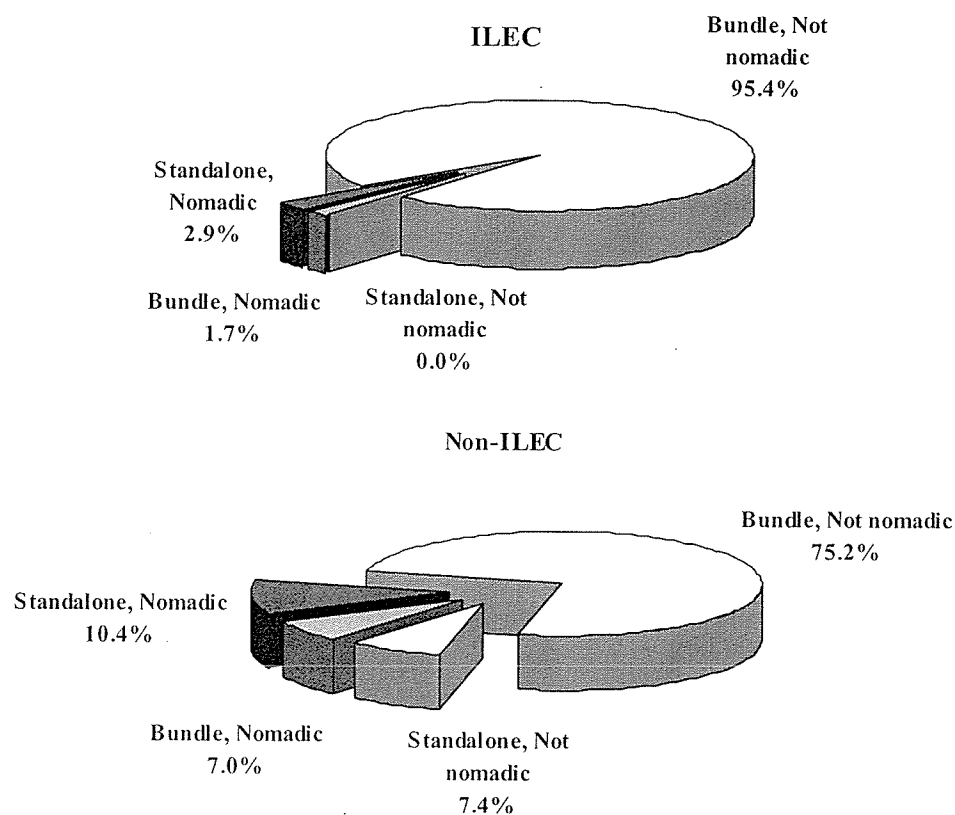
- First, interconnected VoIP service retailers distinguish the interconnected VoIP subscriptions they sell in a package with broadband Internet access service from all the other interconnected VoIP subscriptions that they sell (“standalone” subscriptions). We note that a retailer might complete the broadband bundle with an Internet access service connection that it owns, with a leased ILEC local loop or service that the retailer has equipped to operate as a broadband Internet access service connection, or with resold Internet access service. We also note that a retailer’s standalone service might be OTT interconnected VoIP but it also might be, for example, a standalone interconnected VoIP subscription sold by a cable system operator or a cable system’s bundle of interconnected VoIP and cable TV service.
- Second, filers report whether or not interconnected VoIP subscriptions include, as a service feature, the capability to use the service over any broadband connection to which the customer has access, for example, at a hotel or vacation residence (“nomadic” functionality).
- Third, filers identify the different broadband technologies (for example, cable modem Internet access service) in the broadband bundle.

The Form 477 data cross-classify the first two of the three new sets of information. See Figure 4.

**Figure 4**  
**Interconnected VoIP Subscriberhip by Reported Service Features**  
**as of June 30, 2009 (In Thousands)**

<b>Total</b>	<b>Broadband Bundle</b>	<b>Standalone VoIP</b>	<b>Total</b>
Nomadic	1,583	2,376	3,959
Not nomadic	17,827	1,676	19,503
<b>Total</b>	<b>19,410</b>	<b>4,052</b>	<b>23,462</b>
<b>ILEC</b>			
Nomadic	16	28	44
Not nomadic	914	#	914
<b>ILEC Total</b>	<b>930</b>	<b>28</b>	<b>958</b>
<b>Non-ILEC</b>			
Nomadic	1,567	2,349	3,916
Not nomadic	16,913	1,676	18,589
<b>Non-ILEC Total</b>	<b>18,480</b>	<b>4,025</b>	<b>22,504</b>

# = Rounds to zero.

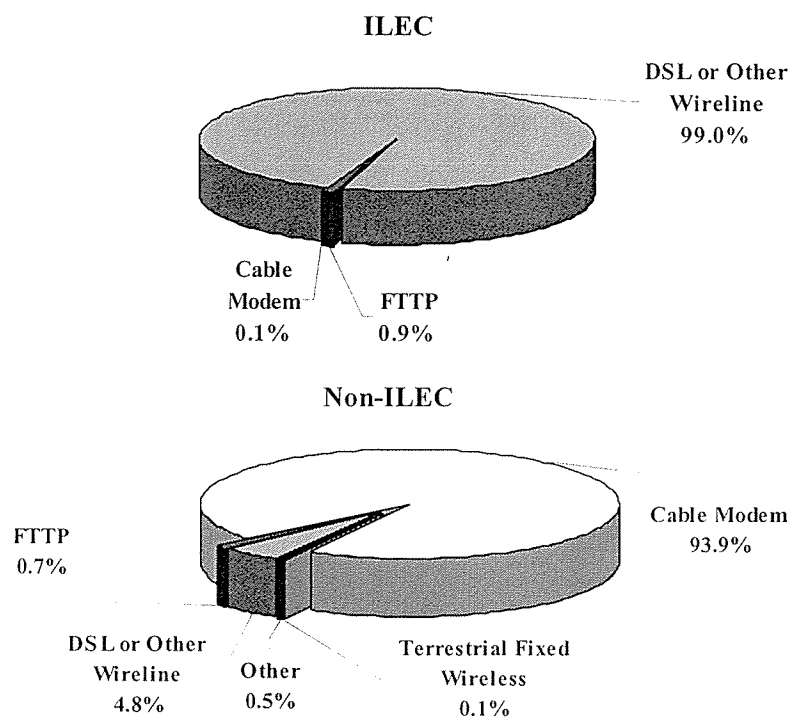


Form 477 collects the third type of newly available information – the technology of the Internet access connection – for broadband bundles but not for standalone interconnected VoIP. See Figure 5.<sup>8</sup>

**Figure 5**  
**Technology of Internet Access Connections in Interconnected VoIP**  
**Broadband Bundles as of June 30, 2009 (In Thousands)**

Technology	ILEC	Non-ILEC	Total
DSL or Other Wireline	921	889	1,810
FTTP	8	135	143
Cable Modem	1	17,352	17,353
Terrestrial Fixed Wireless	#	19	19
Other	0	85	85
Total	930	18,480	19,410

# = Rounds to zero.



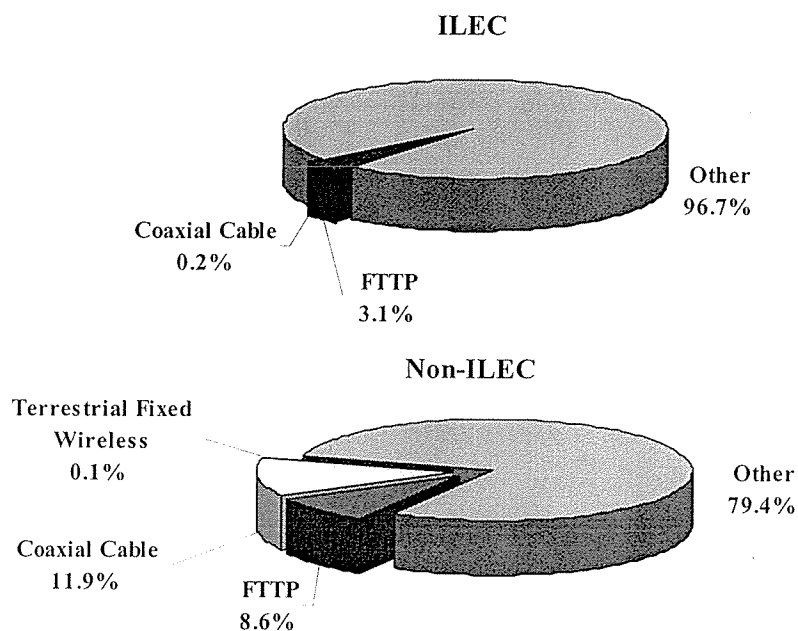
<sup>8</sup> Form 477 asks about five technology categories for the bundled Internet access connections, as specified in Figure 5. The “Other Wireline” component of the “DSL or Other Wireline” includes, for example, T-1 circuits and Ethernet over copper. “FTTP” is fiber to the premises.

**Switched access lines.** ILECs as a group predominantly deliver retail switched access lines over copper local loops. This appears also to be the case for those non-ILECs who report retail switched access lines.<sup>9</sup> See Figure 6.

**Figure 6**  
**Technology of Retail Switched Access Lines**  
**as of June 30, 2009 (In Thousands)**

Technology	ILEC	Non-ILEC	Total
FTTP	3,490	1,848	5,338
Coaxial Cable	189	2,557	2,746
Terrestrial Fixed Wireless	9	15	24
Other	108,097	17,039	125,136
Total	111,786	21,458	133,244

Figures may not add to totals due to rounding.



**Wholesale relationships for switched access lines.** ILECs typically own the communications facilities over which they provide retail switched access lines to homes and businesses. By contrast, CLECs use a range of methods to provide retail switched access lines: equipping ILEC UNE loops (“UNE-L”) as

<sup>9</sup> Form 477 filers have four choices for reporting the technology over which a retail switched access line terminates at the end user’s premises: FTTP, coaxial cable, fixed wireless, and (implicitly) the default category of copper local loop.

CLEC switched access lines,<sup>10</sup> reselling services (for example, reselling ILEC switched access lines obtained at wholesale rates, reselling ILEC lines obtained under commercial agreements that replaced the UNE-Platform ("UNE-P"), or equipping leased ILEC special access circuits as switched access lines), and equipping local loops that the CLEC owns.

- At the end of June 2009, CLECs reported using several methods to provide their 21 million retail switched access lines. They reported providing 40% of lines (or about 8.6 million lines) over ILEC facilities leased at regulated, cost-based rates (that is, as UNE-P or UNE-L). They reported providing 32% of lines (or about 6.9 million lines) by reselling ILEC wholesale or retail services. CLEC-owned local loops provided the remaining 28% of lines (or about 6.0 million lines). However, the information about wholesale relationships differs as reported by CLECs and by ILECs. See Figure 7.

**Figure 7**  
**Wholesale Relationships as Reported Respectively by CLECs and ILECs**  
**as of June 30, 2009 (In Thousands)**

	<b>CLEC Retail Switched Access Lines provisioned over ILEC Services (reported by CLECs)</b>	<b>ILEC Wholesale Switched Access Lines and UNEs provided to CLECs (reported by ILECs)</b>	<b>Difference</b>
<b>Resold ILEC services<sup>1</sup></b>	6,851	3,012	3,838
<b>UNE-P<sup>2</sup></b>	6,846	2,543	4,302
<b>UNE-L<sup>3</sup></b>	1,783	3,580	(1,797)
<b>Total ILEC UNEs</b>	8,629	6,123	2,505
<b>Total ILEC services</b>	15,479	9,136	6,344

Figures may not add to totals due to rounding.

<sup>1</sup> Resold ILEC services include switched access lines made available to CLECs at wholesale rates, resold Centrex, Integrated Services Digital Network (ISDN), or other ILEC services, ILEC special access circuits channelized to provide CLEC retail switched access lines, and ILEC switched access lines provided to CLECs under commercial agreements that replaced UNE-P. (See note 2.) Filers are instructed to count the number of voice-grade channels the retail customer purchased, not the theoretical capacity of the circuit over which the service was delivered. ILECs generally do not know (and do not report) which ILEC leased special access circuits or other high-capacity circuits are being used to provide CLEC retail switched access lines (which the CLECs do report).

<sup>2</sup> UNE-P was the combination of ILEC loop UNE, switching UNE, and transport UNE. The Commission directed CLECs to migrate their retail customers served by UNE-P to an alternative arrangement within 12 months of the effective date of the *Triennial Review Remand Order*, that is, by March 11, 2006. See C.F.R. § 51.319(d)(2)(ii).

<sup>3</sup> ILECs report the number of UNE-L they provide to CLECs but do not convert any high-capacity UNE-L, such as DS1 UNE loops, into voice-grade equivalents. By contrast, CLECs report the number of switched access lines their retail customers purchase which the CLEC provisioned over UNE-L obtained from ILECs. Note, however, that a CLEC might use UNE-L only to provide broadband Internet access connections.

<sup>10</sup> CLECs (as opposed to non-ILECs more generally) have certain regulatory rights to obtain ILEC local loops at cost-based UNE rates, which the CLEC may use to provide retail switched access lines or retail broadband Internet access connections. See C.F.R. § 51.307.

Possible reasons for the differences summarized in Figure 7 include inconsistent adherence to the Form 477 instructions for reporting UNE-P and for reporting affiliated-ILEC lines or UNEs that CLECs use to provide retail switched access lines. We are working with Form 477 filers to resolve these possibilities.

**Remainder of the report.** The remainder of the report consists of tables and charts that update and expand data presented in earlier reports in this series. We present national data first, followed by state-specific data and, finally, summary statistics of the presence of competitors to the incumbent wireline local telephone service providers in individual ZIP Codes.<sup>11</sup>

\* \* \* \*

We invite users of this information to provide suggestions for improved analysis of data presented in this report by using the attached customer response form or by e-mailing comments to [IATDreports@fcc.gov](mailto:IATDreports@fcc.gov) for subject: June 2009 local telephone data. We encourage users of this information to provide suggestions for improved data collection by participating in any formal proceedings undertaken by the Commission to solicit comments for improvement of FCC Form 477.

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<sup>11</sup> In any individual ZIP Code, the competitors to ILECs may be CLECs or interconnected VoIP providers who are not affiliated with the ILEC, or ILECs, who serve end users in that ZIP Code. Appropriate interpretation of the ZIP Code-based information is discussed in n. 3, above.

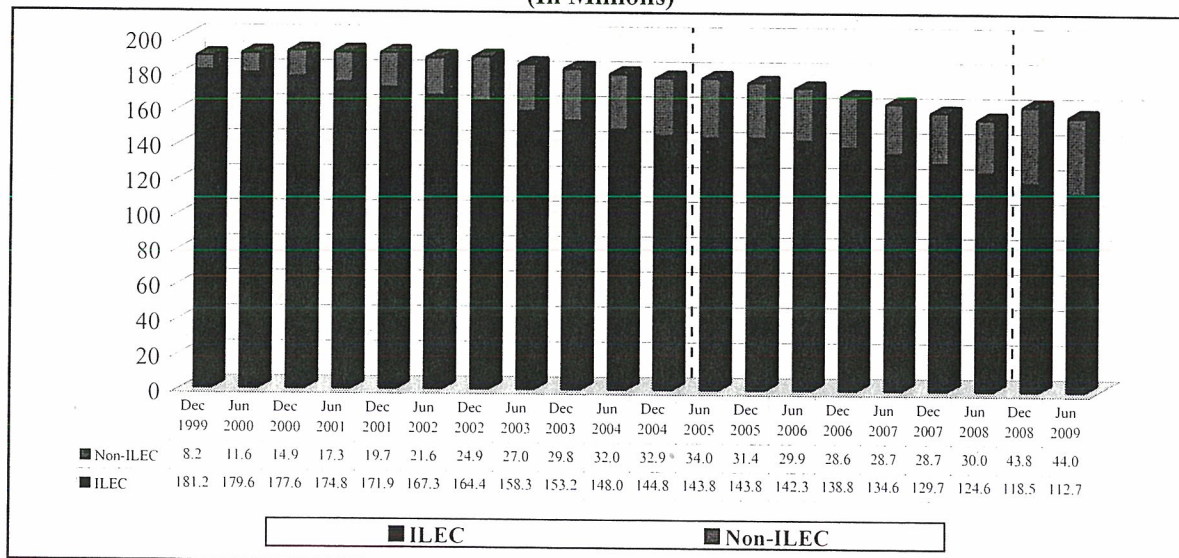
**Table 1**  
**End-User Switched Access Lines and VoIP Subscriptions<sup>1</sup>**  
**(In Thousands)**

Date	Provided by		Total	Non-ILEC Share
	ILEC	Non-ILEC		
Dec 1999	181,203	8,194	189,397	4.3 %
Jun 2000	179,649	11,557	191,206	6.0
Dec 2000	177,561	14,871	192,432	7.7
Jun 2001	174,752	17,275	192,027	9.0
Dec 2001	171,917	19,653	191,571	10.3
Jun 2002	167,330	21,645	188,975	11.5
Dec 2002	164,386	24,864	189,250	13.1
Jun 2003	158,275	26,985	185,260	14.6
Dec 2003	153,158	29,775	182,933	16.3
Jun 2004	147,993	32,034	180,027	17.8
Dec 2004	144,810	32,881	177,691	18.5
Jun 2005	143,758	33,975	177,733	19.1
Dec 2005	143,773	31,388	175,161	17.9
Jun 2006	142,293	29,896	172,189	17.4
Dec 2006	138,834	28,626	167,460	17.1
Jun 2007	134,640	28,729	163,369	17.6
Dec 2007	129,693	28,725	158,418	18.1
Jun 2008	124,606	30,049	154,655	19.4
Dec 2008	118,498	43,753	162,251	27.0
Jun 2009	112,743	43,963	156,706	28.1

Some data for December 2008 have been revised.

<sup>1</sup> Only incumbent local exchange carriers (ILECs) and competitive local exchange carriers (CLECs) with at least 10,000 retail or wholesale switched access lines in service in a state were required to report through December 2004. All were required to report June 2005 and later data. Providers of interconnected VoIP service were first required to report subscribers as of December 2008, and individual ILECs and CLECs, to a varying and largely unknown degree, included or excluded VoIP subscribers in the earlier data. Interconnected VoIP is distinguished from VoIP service more generally by permitting users to receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network. See 47 C.F.R. § 9.3. Form 477 counts both switched access lines and interconnected VoIP subscriptions as the maximum number of calls that may be active, simultaneously, from the end user's location under the purchased service plan.

**Chart 1**  
**End-User Switched Access Lines and VoIP Subscriptions**  
**(In Millions)**





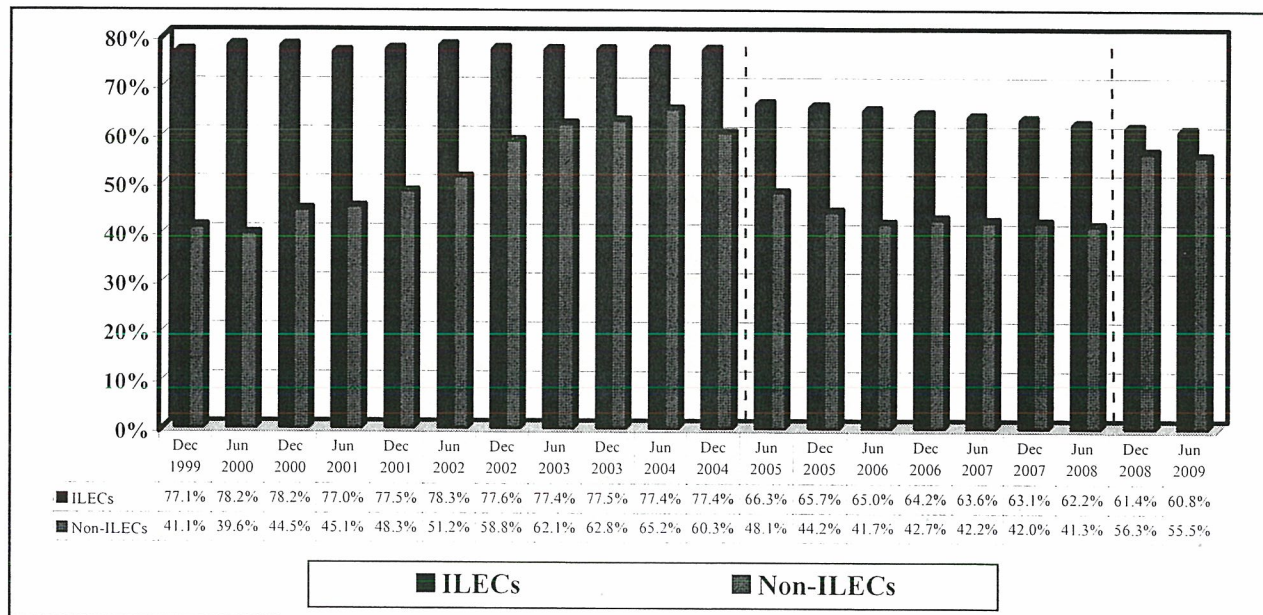
**Table 2**  
**End-User Switched Access Lines and VoIP Subscriptions by Customer Type<sup>1</sup>**  
**(In Thousands)**

Date	Reporting ILECs			Reporting Non-ILECs		
	Residential	Business	% Residential	Residential	Business	% Residential
Dec 1999	139,694	41,508	77.1 %	3,369	4,826	41.1 %
Jun 2000	140,566	39,083	78.2	4,580	6,978	39.6
Dec 2000	138,824	38,737	78.2	6,620	8,251	44.5
Jun 2001	134,531	40,221	77.0	7,793	9,482	45.1
Dec 2001	133,320	38,597	77.5	9,489	10,164	48.3
Jun 2002	130,937	36,393	78.3	11,081	10,564	51.2
Dec 2002	127,495	36,892	77.6	14,608	10,255	58.8
Jun 2003	122,574	35,701	77.4	16,771	10,215	62.1
Dec 2003	118,659	34,499	77.5	18,702	11,073	62.8
Jun 2004	114,533	33,460	77.4	20,872	11,162	65.2
Dec 2004	112,054	32,755	77.4	19,812	13,069	60.3
Jun 2005	95,316	48,442	66.3	16,338	17,637	48.1
Dec 2005	94,393	49,381	65.7	13,873	17,515	44.2
Jun 2006	92,453	49,840	65.0	12,474	17,422	41.7
Dec 2006	89,167	49,667	64.2	12,211	16,415	42.7
Jun 2007	85,633	49,007	63.6	12,117	16,612	42.2
Dec 2007	81,798	47,894	63.1	12,051	16,675	42.0
Jun 2008	77,457	47,149	62.2	12,396	17,654	41.3
Dec 2008	72,787	45,711	61.4	24,653	19,100	56.3
Jun 2009	68,578	44,165	60.8	24,383	19,580	55.5

Some data for December 2008 have been revised.

<sup>1</sup> In 2004, the Commission modified instructions for reporting lines serving small businesses. They were counted with residential lines through December 2004 and with business lines thereafter. This change caused a one-time drop in the percentages of ILEC and CLEC lines reported as residential. The December 2008 data are the first for which comprehensive reporting of interconnected VoIP subscribers was required. See footnote 1, Table 1.

**Chart 2**  
**Percent of Lines and VoIP Subscriptions that Serve Residential Customers<sup>1</sup>**





**Table 3**  
**End-User Switched Access Lines and VoIP Subscriptions Reported by Non-ILECs<sup>1</sup>**  
**(Lines and Subscriptions in Thousands)**

Date	Reporting Non-ILECs	End-User Switched Access Lines and VoIP Subscriptions	End-User Switched Access Lines			VoIP	Percent			
			Acquired from other LECs		CLEC-owned local loops <sup>3</sup>		Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP
			Resold LEC service	ILEC UNEs <sup>2</sup>						
Dec 1999	81	8,194	3,513	1,959	2,723	-	42.9%	23.9%	33.2%	-
Jun 2000	78	11,557	4,315	3,201	4,042	-	37.3	27.7	35.0	-
Dec 2000	89	14,871	4,114	5,540	5,217	-	27.7	37.3	35.1	-
Jun 2001	91	17,275	3,919	7,580	5,776	-	22.7	43.9	33.4	-
Dec 2001	94	19,653	4,250	9,332	6,072	-	21.6	47.5	30.9	-
Jun 2002	96	21,645	4,478	10,930	6,236	-	20.7	50.5	28.8	-
Dec 2002	112	24,864	4,677	13,709	6,479	-	18.8	55.1	26.1	-
Jun 2003	125	26,985	4,887	15,728	6,370	-	18.1	58.3	23.6	-
Dec 2003	136	29,775	4,842	17,888	7,045	-	16.3	60.1	23.7	-
Jun 2004	137	32,034	4,927	19,624	7,483	-	15.4	61.3	23.4	-
Dec 2004	149	32,881	5,417	18,961	8,503	-	16.5	57.7	25.9	-
Jun 2005	326	33,975	5,826	19,025	9,124	-	17.1	56.0	26.9	-
Dec 2005	382	31,388	6,704	14,521	10,163	-	21.4	46.3	32.4	-
Jun 2006	400	29,896	6,548	12,547	10,802	-	21.9	42.0	36.1	-
Dec 2006	397	28,626	5,819	11,663	11,144	-	20.3	40.7	38.9	-
Jun 2007	406	28,729	6,193	11,511	11,025	-	21.6	40.1	38.4	-
Dec 2007	443	28,725	6,430	10,582	11,713	-	22.4	36.8	40.8	-
Jun 2008	469	30,049	6,073	10,884	13,093	-	20.2	36.2	43.6	-
Dec 2008	704	43,753	7,066	9,606	6,339	20,743	16.1	22.0	14.5	47.4
Jun 2009	715	43,963	6,851	8,629	5,981	22,502	15.6	19.6	13.6	51.2

Some data for December 2008 have been revised.

<sup>1</sup> See footnote 1, Table 1.

<sup>2</sup> Includes unbundled network element (UNE) loops leased from an unaffiliated ILEC on a stand-alone basis and also UNE loops leased in combination with UNE switching or any other unbundled network element.

<sup>3</sup> Lines provided over CLEC-owned "last-mile" facilities.

**Chart 3**  
**Non-ILEC End-User Switched Access Lines and VoIP Subscriptions as of June 30, 2009**

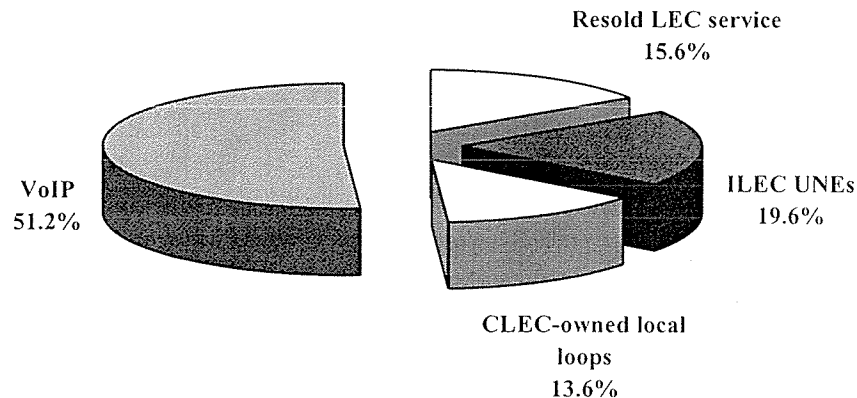


Table 4

**ILEC End-User (Retail) and Wholesale Switched Access Lines, VoIP Subscriptions, and UNEs<sup>1</sup>**  
**(Lines, Subscriptions, and UNEs in Thousands)**

Date	Reporting ILECs <sup>2</sup>	ILEC Total Lines <sup>3</sup>	End-User Switched Access Lines	VoIP	Switched Access Lines and UNEs Provided to CLECs					
					Resold Lines	UNEs			Total UNEs & Resold Lines	% of Total Lines
						Without Switching	With Switching <sup>4</sup>	Total UNEs		
Dec 1999	168	187,190	181,203	-	4,494	1,004	489	1,493	5,987	3.2 %
Jun 2000	159	188,058	179,679	-	5,098	1,696	1,616	3,312	8,409	4.5
Dec 2000	166	188,223	177,561	-	5,388	2,436	2,838	5,274	10,662	5.7
Jun 2001	156	187,092	174,752	-	4,417	3,161	4,761	7,922	12,340	6.6
Dec 2001	164	185,391	171,917	-	4,014	3,679	5,781	9,460	13,474	7.3
Jun 2002	166	182,345	167,330	-	3,475	4,061	7,478	11,540	15,015	8.2
Dec 2002	174	181,616	164,386	-	2,743	4,259	10,227	14,487	17,229	9.5
Jun 2003	181	177,770	158,275	-	2,232	4,227	13,036	17,263	19,495	11.0
Dec 2003	185	174,453	153,158	-	1,833	4,287	15,176	19,463	21,296	12.2
Jun 2004	185	171,050	147,993	-	1,600	4,322	17,136	21,458	23,057	13.5
Dec 2004	190	167,063	144,810	-	1,490	4,217	16,546	20,763	22,253	13.3
Jun 2005	757	164,449	143,758	-	1,796	4,300	14,596	18,895	20,691	12.6
Dec 2005	807	160,881	143,773	-	1,793	4,469	10,846	15,315	17,108	10.6
Jun 2006	805	156,872	142,293	-	1,723	4,413	8,443	12,856	14,579	9.3
Dec 2006	814	151,958	138,834	-	1,613	4,408	7,103	11,511	13,124	8.6
Jun 2007	816	146,672	134,640	-	1,517	4,285	6,230	10,515	12,032	8.2
Dec 2007	805	140,808	129,693	-	1,460	4,122	5,534	9,655	11,115	7.9
Jun 2008	800	134,846	124,606	-	1,473	3,827	4,941	8,768	10,241	7.6
Dec 2008	779	128,290	117,969	529	3,209	3,844	2,740	6,583	9,792	7.6
Jun 2009	777	121,879	111,786	958	3,012	3,580	2,543	6,123	9,136	7.5

Some data for December 2008 have been revised. Figures may not add to totals due to rounding.

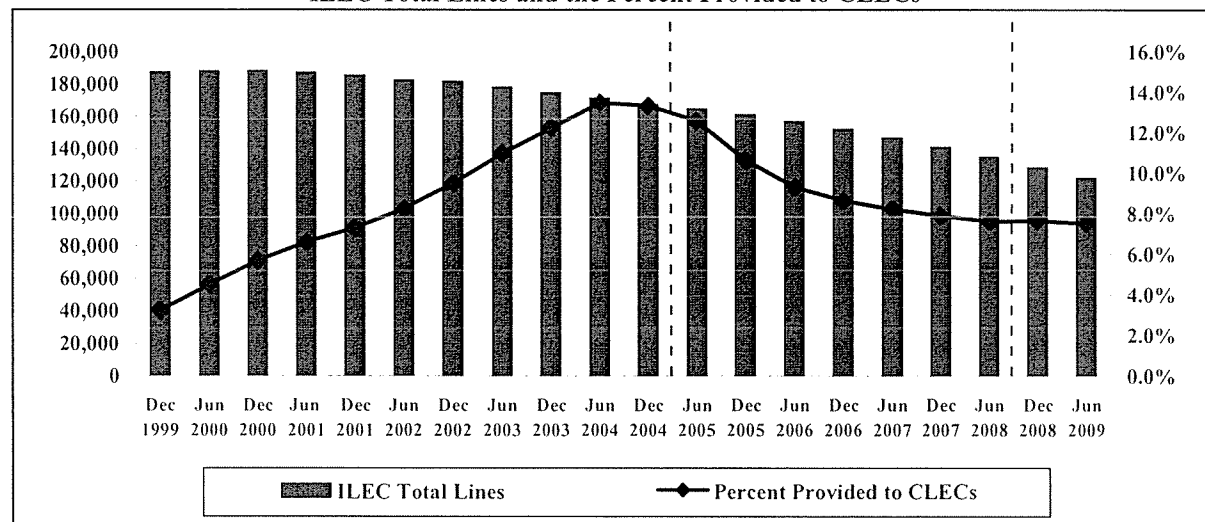
<sup>1</sup> See footnote 1, Table 1.

<sup>2</sup> Fewer ILECs were counted for mid-year 2009 than mid-year 2007 primarily because FCC staff identified additional common-control relationships among filers.

<sup>3</sup> This figure is the sum of ILEC-reported end-user (retail) switched access lines, ILEC interconnected VoIP subscriptions, and ILEC wholesale switched access lines and UNEs provided to CLECs.

<sup>4</sup> ILEC loops provided with ILEC switching, including the combination of ILEC loop UNE, switching UNE, and transport UNE, collectively referred to as the UNE-Platform ("UNE-P"). The Commission directed CLECs to migrate their retail customers served by these methods to an alternative arrangement by March 11, 2006, i.e., within 12 months of the effective date of the *Triennial Review Remand Order*. See C.F.R. § 51.319(d)(2)(ii).

**Chart 4**  
**ILEC Total Lines and the Percent Provided to CLECs**



**Table 5**  
**End-User Switched Access Lines and VoIP Subscriptions**  
**by Type of Technology for Non-ILEC Providers<sup>1</sup>**  
**(In Thousands)**

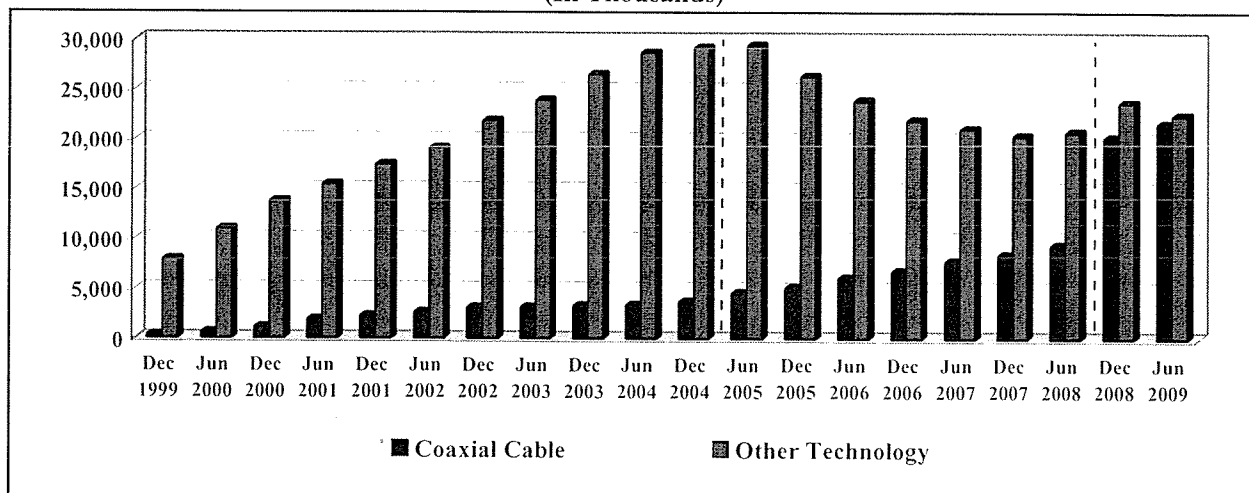
Date	Coaxial Cable <sup>2</sup>	Other Technology	Total	Percent Coaxial Cable
Dec 1999	308	7,886	8,194	3.8 %
Jun 2000	614	10,943	11,557	5.3
Dec 2000	1,125	13,746	14,871	7.6
Jun 2001	1,876	15,399	17,275	10.9
Dec 2001	2,246	17,408	19,653	11.4
Jun 2002	2,597	19,048	21,645	12.0
Dec 2002	3,071	21,793	24,864	12.4
Jun 2003	3,123	23,863	26,985	11.6
Dec 2003	3,301	26,474	29,775	11.1
Jun 2004	3,338	28,696	32,034	10.4
Dec 2004	3,706	29,175	32,881	11.3
Jun 2005	4,571	29,404	33,975	13.5
Dec 2005	5,100	26,287	31,388	16.2
Jun 2006	6,070	23,826	29,896	20.3
Dec 2006	6,751	21,875	28,626	23.6
Jun 2007	7,730	21,000	28,729	26.9
Dec 2007	8,385	20,340	28,725	29.2
Jun 2008	9,352	20,697	30,049	31.1
Dec 2008	20,114	23,640	43,753	46.0
Jun 2009	21,547	22,415	43,963	49.0

Some data for December 2008 have been revised.

<sup>1</sup> See footnote 1, Table 1.

<sup>2</sup> This figure includes reported end-user switched access lines and interconnected VoIP connections that terminate on coaxial cable at the end user's premises. Form 477 collects information about the end-user switched access lines that terminate on coaxial cable and (starting, systematically, with the December 2008 data) the interconnected VoIP subscriptions that are sold in a bundle with cable modem Internet access service. FCC staff used other Form 477 data to estimate the number of standalone VoIP subscriptions that terminated on coaxial cable at the end user's premises in December 2008.

**Chart 5**  
**End-User Switched Access Lines and VoIP Subscriptions**  
**by Type of Technology for Non-ILEC Providers**  
**(In Thousands)**



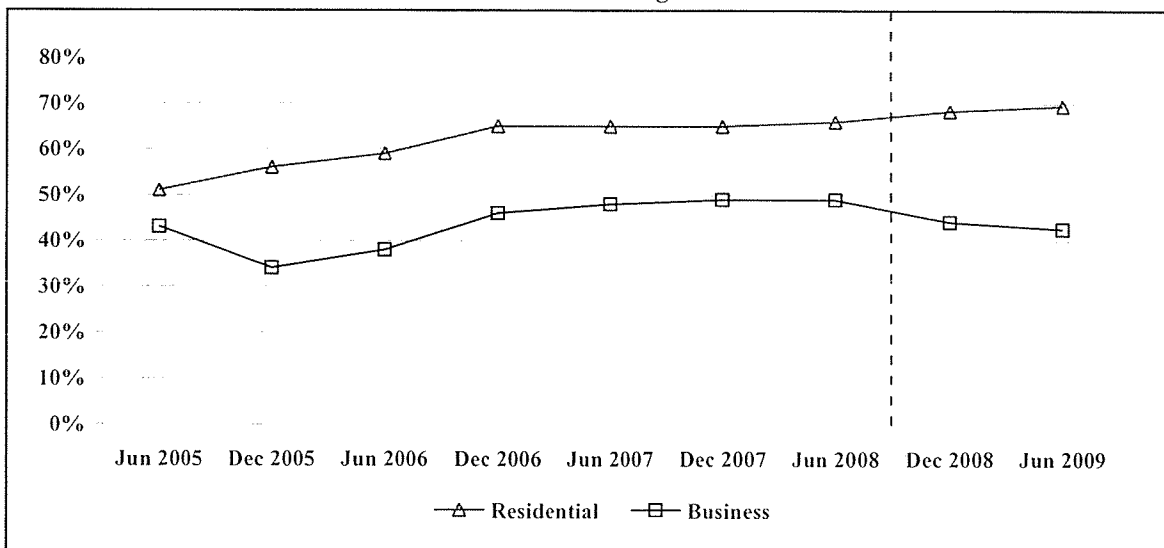
**Table 6**  
**Percentage of Switched Access Lines Presubscribed for Long Distance Service**

	RBOC	Other ILEC	ILEC Total	CLEC	Total
<b>Residential</b>					
Jun 2005	52%	49%	51%	80%	56%
Dec 2005	56	57	56	88	60
Jun 2006	59	58	59	85	62
Dec 2006	66	60	65	86	68
Jun 2007	66	61	65	86	68
Dec 2007	66	63	65	87	68
Jun 2008	66	64	66	88	69
Dec 2008	69	65	68	80	69
Jun 2009	70	66	69	80	70
<b>Business</b>					
Jun 2005	45	30	43	69	50
Dec 2005	34	39	34	71	44
Jun 2006	38	37	38	69	46
Dec 2006	47	39	46	68	51
Jun 2007	49	42	48	72	54
Dec 2007	50	43	49	70	54
Jun 2008	49	44	49	72	55
Dec 2008	44	47	44	70	51
Jun 2009	42	49	43	73	51
<b>Total</b>					
Jun 2005	50	44	49	74	54
Dec 2005	48	52	49	79	54
Jun 2006	51	52	51	76	56
Dec 2006	59	54	58	76	61
Jun 2007	59	56	59	78	62
Dec 2007	60	57	59	77	63
Jun 2008	60	58	59	79	63
Dec 2008	59	60	59	73	61
Jun 2009	58	61	59	74	61

Some data for December 2008 have been revised.

RBOC is an acronym for Regional Bell Operating Company. They currently are AT&T, Qwest, and Verizon.

**Chart 6**  
**Percent Presubscribed Interstate Long Distance Lines for ILECs**



**Table 7**  
**Residential and Business Presubscribed Switched Access Lines**  
**(In Thousands)**

	June 30, 2009				
	RBOC	Other ILEC	ILEC Total	CLEC	Total
<b>Residential</b>					
Presubscribed	37,634	9,574	47,208	4,082	51,290
Not Presubscribed	15,856	4,917	20,773	1,026	21,799
All Lines	53,490	14,491	67,981	5,109	73,090
Percent Presubscribed	70%	66%	69%	80%	70%
<b>Business</b>					
Presubscribed	15,595	3,049	18,644	11,884	30,528
Not Presubscribed	21,961	3,199	25,160	4,466	29,626
All Lines	37,557	6,248	43,805	16,350	60,154
Percent Presubscribed	42%	49%	43%	73%	51%
<b>Total</b>					
Presubscribed	53,229	12,623	65,852	15,966	81,818
Not Presubscribed	37,818	8,116	45,933	5,492	51,426
All Lines	91,047	20,739	111,786	21,458	133,244
Percent Presubscribed	58%	61%	59%	74%	61%
	December 31, 2008				
	RBOC	Other ILEC	ILEC Total	CLEC	Total
<b>Residential</b>					
Presubscribed	39,696	9,865	49,561	4,528	54,089
Not Presubscribed	17,635	5,336	22,972	1,115	24,086
All Lines	57,331	15,201	72,532	5,643	78,175
Percent Presubscribed	69%	65%	68%	80%	69%
<b>Business</b>					
Presubscribed	17,021	3,000	20,021	12,236	32,256
Not Presubscribed	22,041	3,375	25,416	5,129	30,545
All Lines	39,061	6,375	45,437	17,365	62,801
Percent Presubscribed	44%	47%	44%	70%	51%
<b>Total</b>					
Presubscribed	56,717	12,865	69,582	16,764	86,345
Not Presubscribed	39,676	8,712	48,387	6,244	54,631
All Lines	96,392	21,576	117,969	23,008	140,977
Percent Presubscribed	59%	60%	59%	73%	61%

Figures may not add to totals due to rounding. Some data for December 2008 have been revised.  
RBOC is an acronym for Regional Bell Operating Company. They currently are AT&T, Qwest, and Verizon.

**Table 8**  
**Total End-User Switched Access Lines and VoIP Subscriptions by State as of June 30, 2009**  
**(In Thousands)**

State	ILECs				Non-ILECs				Total	Non-ILEC % of Total
	Switched Access Lines	VoIP purchased as		Total	Switched Access Lines	VoIP purchased as		Total		
		Stand- alone	Bundled with Internet			Stand- alone	Bundled with Internet			
Alabama	1,664	#	1	1,665	263	59	127	449	2,114	21%
Alaska	282	0	0	282	*	2	*	*	*	*
American Samoa	10	0	0	10	0	0	0	0	10	0
Arizona	1,741	#	#	1,741	877	73	207	1,156	2,897	40
Arkansas	972	#	10	982	134	20	68	222	1,204	18
California	15,402	5	148	15,555	2,313	394	1,967	4,674	20,230	23
Colorado	1,758	0	0	1,758	395	85	335	815	2,573	32
Connecticut	1,422	#	41	1,463	228	47	364	639	2,103	30
Delaware	362	#	1	363	73	*	*	164	527	31
District of Columbia	710	#	4	714	126	12	44	181	895	20
Florida	6,870	3	45	6,918	1,062	400	1,218	2,680	9,598	28
Georgia	3,299	1	4	3,304	540	150	419	1,109	4,413	25
Guam	51	0	0	51	*	*	*	*	*	*
Hawaii	489	#	0	489	39	*	*	116	605	19
Idaho	550	#	#	550	71	10	34	115	666	17
Illinois	4,975	2	109	5,086	653	238	699	1,590	6,675	24
Indiana	2,381	1	51	2,433	243	74	239	557	2,990	19
Iowa	1,079	#	#	1,079	192	102	15	309	1,388	22
Kansas	885	#	13	898	252	26	133	411	1,309	31
Kentucky	1,386	#	#	1,387	255	25	226	506	1,892	27
Louisiana	1,561	#	#	1,561	276	43	184	503	2,064	24
Maine	519	#	1	519	104	14	110	227	747	30
Maryland	2,499	#	20	2,520	468	97	320	886	3,406	26
Massachusetts	2,353	#	15	2,369	742	138	713	1,593	3,962	40
Michigan	3,210	1	109	3,320	523	197	713	1,433	4,753	30
Minnesota	1,826	0	#	1,826	507	83	268	858	2,685	32
Mississippi	920	#	#	920	103	23	57	182	1,102	17
Missouri	2,345	#	22	2,367	240	64	210	514	2,881	18
Montana	371	0	#	371	43	8	51	102	474	22
Nebraska	564	#	#	564	242	12	47	301	865	35
Nevada	907	#	3	911	160	57	187	405	1,316	31
New Hampshire	434	#	1	435	151	36	161	347	783	44
New Jersey	3,489	1	30	3,519	783	120	1,082	1,984	5,504	36
New Mexico	713	0	0	713	70	15	41	126	840	15
New York	6,204	1	29	6,234	2,008	186	2,439	4,632	10,867	43
North Carolina	3,326	2	7	3,335	418	108	596	1,122	4,457	25
North Dakota	233	0	0	233	68	*	*	104	337	31
Northern Mariana Isl.	17	0	0	17	0	0	0	0	17	0
Ohio	4,065	2	57	4,124	585	77	775	1,437	5,561	26
Oklahoma	1,158	#	11	1,169	294	40	169	503	1,672	30
Oregon	1,207	#	3	1,210	262	53	243	558	1,768	32
Pennsylvania	5,015	1	13	5,029	1,241	202	729	2,172	7,201	30
Puerto Rico	698	0	0	698	127	18	89	234	933	25
Rhode Island	280	#	#	281	247	*	*	310	591	52
South Carolina	1,555	#	5	1,561	242	50	199	491	2,051	24
South Dakota	244	0	0	244	94	*	*	136	380	36
Tennessee	2,167	1	2	2,170	359	69	292	720	2,890	25
Texas	8,186	3	118	8,307	1,147	201	976	2,324	10,631	22
Utah	725	0	0	725	188	32	116	336	1,061	32
Vermont	299	#	#	299	47	*	*	90	389	23
Virgin Islands	59	0	0	59	0	#	0	#	59	#
Virginia	3,143	#	17	3,160	1,021	123	318	1,463	4,623	32
Washington	2,207	#	4	2,211	380	107	525	1,013	3,224	31
West Virginia	676	#	1	677	119	17	77	213	889	24
Wisconsin	2,122	#	33	2,156	337	54	359	750	2,905	26
Wyoming	200	0	#	200	13	6	34	53	253	21
Nationwide	111,786	28	930	112,743	21,458	4,025	18,480	43,963	156,706	28

# = Rounds to zero. \* Data withheld to maintain firm confidentiality.

**Table 9**  
**Residential End-User Switched Access Lines and VoIP Subscriptions by State as of June 30, 2009**  
**(In Thousands)**

State	ILECs				Non-ILECs				Total	Non-ILEC % of Total
	Switched Access Lines	VoIP purchased as		Total	Switched Access Lines	VoIP purchased as		Total		
		Stand- alone	Bundled with Internet			Stand- alone	Bundled with Internet			
Alabama	1,107	#	#	1,108	85	56	115	256	1,363	19%
Alaska	140	0	0	140	*	2	*	*	*	*
American Samoa	5	0	0	5	0	0	0	0	5	0
Arizona	1,068	#	0	1,068	503	64	174	740	1,808	41
Arkansas	629	#	10	639	27	17	60	104	743	14
California	8,854	5	95	8,955	727	343	1,528	2,597	11,552	22
Colorado	1,119	0	0	1,119	25	77	296	398	1,517	26
Connecticut	846	#	39	885	60	42	344	446	1,332	34
Delaware	216	#	0	216	10	*	*	97	313	31
District of Columbia	155	#	0	155	18	10	26	53	208	25
Florida	4,278	3	4	4,285	91	355	1,114	1,560	5,845	27
Georgia	1,938	1	#	1,940	103	137	380	620	2,559	24
Guam	29	0	0	29	*	*	*	*	*	*
Hawaii	277	0	0	277	0	*	*	77	354	22
Idaho	356	#	#	356	20	9	29	58	414	14
Illinois	2,739	2	70	2,811	98	221	615	934	3,745	25
Indiana	1,511	1	38	1,549	71	69	221	361	1,910	19
Iowa	724	#	#	724	90	101	3	194	918	21
Kansas	508	#	12	521	113	22	122	258	779	33
Kentucky	877	#	0	877	143	21	218	382	1,259	30
Louisiana	960	#	0	960	104	41	170	315	1,275	25
Maine	380	#	0	381	11	12	107	131	511	26
Maryland	1,413	#	0	1,413	111	83	300	493	1,906	26
Massachusetts	1,366	#	0	1,367	83	128	671	882	2,249	39
Michigan	1,780	1	96	1,878	189	184	678	1,051	2,929	36
Minnesota	1,263	0	#	1,263	105	79	225	409	1,672	24
Mississippi	578	#	0	578	35	19	52	106	684	16
Missouri	1,511	#	20	1,531	42	60	198	300	1,831	16
Montana	241	0	#	241	15	7	46	69	310	22
Nebraska	320	#	#	320	118	11	41	169	490	35
Nevada	528	#	3	531	7	53	172	232	762	30
New Hampshire	302	#	0	302	6	33	153	192	494	39
New Jersey	2,007	1	0	2,008	125	107	1,011	1,244	3,251	38
New Mexico	479	0	0	479	11	14	33	57	536	11
New York	3,619	1	0	3,620	326	159	1,130	1,616	5,236	31
North Carolina	2,119	2	#	2,121	41	98	579	718	2,839	25
North Dakota	157	0	0	157	43	*	*	73	230	32
Northern Mariana Isl.	8	0	0	8	0	0	0	0	8	0
Ohio	2,556	2	44	2,602	184	64	741	989	3,591	28
Oklahoma	725	#	11	736	142	37	159	337	1,073	31
Oregon	825	#	0	825	19	48	220	287	1,112	26
Pennsylvania	3,374	1	0	3,374	169	181	665	1,015	4,389	23
Puerto Rico	545	0	0	545	1	17	85	103	648	16
Rhode Island	177	#	0	177	128	*	*	183	360	51
South Carolina	1,013	#	0	1,013	55	44	190	290	1,303	22
South Dakota	152	0	0	152	60	*	*	100	253	40
Tennessee	1,423	1	0	1,424	61	63	267	392	1,816	22
Texas	4,904	3	97	5,004	176	172	896	1,244	6,249	20
Utah	468	0	0	468	23	29	102	155	623	25
Vermont	214	#	0	214	7	*	*	47	261	18
Virgin Islands	39	0	0	39	0	#	0	#	39	#
Virginia	1,820	#	0	1,820	298	111	283	692	2,512	28
Washington	1,448	#	0	1,448	41	100	489	630	2,077	30
West Virginia	514	#	0	514	14	15	74	103	617	17
Wisconsin	1,271	#	29	1,301	86	50	352	487	1,788	27
Wyoming	107	0	#	107	5	6	32	43	150	29
Nationwide	67,981	27	570	68,578	5,109	3,626	15,648	24,383	92,961	26

# = Rounds to zero. \* Data withheld to maintain firm confidentiality.

**Table 10**  
**Business End-User Switched Access Lines and VoIP Subscriptions by State as of June 30, 2009**  
(In Thousands)

State	ILECs				Non-ILECs				Total	Non-ILEC % of Total
	Switched Access Lines	VoIP purchased as		Total	Switched Access Lines	VoIP purchased as		Total		
		Stand- alone	Bundled with Internet			Stand- alone	Bundled with Internet			
Alabama	557	#	#	557	178	3	12	193	751	26%
Alaska	142	0	0	142	*	#	*	*	*	*
American Samoa	5	0	0	5	0	0	0	0	5	0
Arizona	672	0	#	673	373	9	34	416	1,089	38
Arkansas	343	0	#	343	107	2	9	118	461	26
California	6,548	#	52	6,601	1,586	51	440	2,077	8,677	24
Colorado	640	0	0	640	370	7	39	417	1,057	39
Connecticut	576	#	2	578	168	5	20	193	771	25
Delaware	146	0	1	147	63	*	*	67	214	31
District of Columbia	555	0	4	559	109	2	18	129	687	19
Florida	2,592	#	41	2,633	971	46	104	1,120	3,753	30
Georgia	1,360	#	4	1,365	437	12	40	489	1,854	26
Guam	23	0	0	23	*	0	*	*	*	*
Hawaii	212	#	0	212	39	*	*	39	251	16
Idaho	194	#	#	195	51	1	5	57	252	23
Illinois	2,236	#	38	2,275	554	17	84	656	2,930	22
Indiana	870	#	13	884	172	5	19	196	1,080	18
Iowa	354	#	#	354	102	1	12	115	470	25
Kansas	376	#	1	377	139	4	11	154	531	29
Kentucky	510	#	#	510	112	4	8	124	634	20
Louisiana	601	#	#	601	172	2	14	188	789	24
Maine	138	0	1	139	92	1	3	96	235	41
Maryland	1,087	0	20	1,107	357	15	21	392	1,500	26
Massachusetts	987	0	15	1,002	658	10	42	711	1,713	42
Michigan	1,429	#	12	1,442	334	13	34	382	1,823	21
Minnesota	563	0	#	563	402	4	43	449	1,012	44
Mississippi	342	0	#	342	68	3	5	76	418	18
Missouri	834	#	3	837	197	4	12	213	1,050	20
Montana	131	0	0	131	28	1	5	33	164	20
Nebraska	243	0	#	243	125	1	6	132	375	35
Nevada	379	0	#	380	154	4	15	173	553	31
New Hampshire	132	0	1	133	145	3	8	156	289	54
New Jersey	1,482	0	30	1,512	658	12	71	741	2,253	33
New Mexico	234	0	0	234	59	1	8	69	303	23
New York	2,585	0	29	2,615	1,682	26	1,309	3,017	5,631	54
North Carolina	1,207	0	7	1,214	377	11	16	404	1,618	25
North Dakota	76	0	0	76	25	*	*	30	107	28
Northern Mariana Isl.	9	0	0	9	0	0	0	0	9	0
Ohio	1,508	#	13	1,521	401	13	34	448	1,970	23
Oklahoma	433	0	#	434	152	3	11	166	600	28
Oregon	382	0	3	385	243	5	24	271	656	41
Pennsylvania	1,641	0	13	1,655	1,071	22	64	1,157	2,812	41
Puerto Rico	154	0	0	154	125	1	4	131	285	46
Rhode Island	104	0	#	104	119	*	*	127	231	55
South Carolina	542	#	5	548	187	5	9	201	748	27
South Dakota	92	0	0	92	34	*	*	36	127	28
Tennessee	744	#	2	746	298	6	25	328	1,074	31
Texas	3,281	#	21	3,303	971	28	80	1,080	4,382	25
Utah	257	0	0	257	164	3	14	181	438	41
Vermont	85	0	#	86	40	*	*	43	128	33
Virgin Islands	19	0	0	19	0	#	0	#	19	#
Virginia	1,324	0	17	1,340	723	12	35	770	2,111	36
Washington	760	0	4	763	339	7	36	383	1,146	33
West Virginia	162	0	1	162	105	2	2	110	272	40
Wisconsin	851	#	4	855	251	5	7	263	1,117	24
Wyoming	93	0	0	93	8	#	2	10	103	10
Nationwide	43,805	1	360	44,165	16,350	399	2,831	19,580	63,745	31

# = Rounds to zero. \* Data withheld to maintain firm confidentiality.



**Table 11**  
**Non-ILEC Share of Total End-User Switched Access Lines and VoIP Subscriptions by State<sup>1</sup>**

State	2005		2006		2007		2008		2009
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	16 %	15 %	16 %	13 %	13 %	14 %	16 %	21 %	21 %
Alaska	*	*	26	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0
Arizona	27	30	30	32	33	34	37	40	40
Arkansas	13	11	12	13	14	14	14	18	18
California	18	13	13	14	14	14	15	22	23
Colorado	17	20	19	17	17	16	19	31	32
Connecticut	14	11	12	12	13	14	15	29	30
Delaware	20	20	18	18	19	17	18	30	31
District of Columbia	20	17	14	14	14	14	15	20	20
Florida	16	17	15	13	13	13	14	27	28
Georgia	21	18	19	14	16	16	17	25	25
Guam	NA	0	0	0	0	*	*	*	*
Hawaii	6	7	9	11	13	16	18	18	19
Idaho	10	10	11	10	11	11	11	17	17
Illinois	20	15	15	15	14	14	14	24	24
Indiana	14	10	10	10	9	9	11	18	19
Iowa	14	14	15	16	17	18	19	22	22
Kansas	25	21	24	23	25	26	28	31	31
Kentucky	14	15	16	15	16	19	18	25	27
Louisiana	19	17	18	16	17	18	21	23	24
Maine	20	20	16	16	17	20	24	28	30
Maryland	18	18	16	15	15	14	15	25	26
Massachusetts	25	25	24	24	23	24	25	39	40
Michigan	25	19	18	17	18	19	20	29	30
Minnesota	21	24	23	22	24	23	22	31	32
Mississippi	14	12	13	10	10	10	11	16	17
Missouri	14	11	13	13	14	14	15	17	18
Montana	8	10	12	14	16	18	19	21	22
Nebraska	25	26	27	28	29	30	31	34	35
Nevada	13	13	17	15	24	22	26	30	31
New Hampshire	25	25	24	23	23	23	25	42	44
New Jersey	22	21	17	18	17	17	18	34	36
New Mexico	8	7	8	8	8	8	9	14	15
New York	30	31	27	27	28	29	31	41	43
North Carolina	13	15	16	16	18	19	20	24	25
North Dakota	20	19	20	21	21	22	24	32	31
Northern Mariana Isl.	NA	0	0	0	0	0	0	0	0
Ohio	15	15	15	16	18	20	23	25	26
Oklahoma	18	18	20	21	23	25	27	30	30
Oregon	13	19	16	17	18	18	18	31	32
Pennsylvania	23	23	20	19	20	20	21	29	30
Puerto Rico	*	*	*	*	*	*	19	22	25
Rhode Island	40	42	43	46	47	48	50	52	52
South Carolina	13	13	15	14	16	17	19	22	24
South Dakota	30	33	33	30	30	31	32	36	36
Tennessee	16	17	18	15	16	17	18	25	25
Texas	19	16	16	17	16	17	18	21	22
Utah	23	22	24	21	22	20	21	26	32
Vermont	14	12	12	12	12	12	13	23	23
Virgin Islands	*	*	*	0	0	0	0	*	#
Virginia	21	22	21	22	22	23	23	30	32
Washington	14	14	14	14	15	14	16	30	31
West Virginia	12	12	12	13	13	14	16	21	24
Wisconsin	19	18	19	20	21	23	24	25	26
Wyoming	11	12	14	15	17	18	19	20	21
Nationwide	19 %	18 %	17 %	17 %	18 %	18 %	19 %	27 %	28 %

\* Data withheld to maintain firm confidentiality. NA is an abbreviation for not available. Some data for December 2008 have been revised.

<sup>1</sup> See footnote 1, Table 1.

**Table 12**  
**Non-ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State<sup>1</sup>**  
**(In Thousands)**

State	2005		2006		2007		2008		2009
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	394	359	366	301	298	315	352	460	449
Alaska	*	*	116	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0
Arizona	865	979	970	1,018	1,043	1,071	1,129	1,218	1,156
Arkansas	182	152	163	166	178	173	175	223	222
California	4,030	3,023	2,900	3,046	2,898	2,984	3,101	4,536	4,674
Colorado	497	591	529	452	425	395	449	838	815
Connecticut	316	251	262	261	261	265	291	625	639
Delaware	122	118	102	100	99	85	85	164	164
District of Columbia	223	173	145	144	137	131	136	182	181
Florida	1,745	1,869	1,618	1,340	1,298	1,265	1,276	2,690	2,680
Georgia	1,032	886	909	655	730	725	764	1,157	1,109
Guam	0	0	0	0	0	*	*	*	*
Hawaii	38	49	61	74	88	103	115	114	116
Idaho	77	76	81	76	78	75	79	122	115
Illinois	1,602	1,136	1,139	1,075	950	909	875	1,646	1,590
Indiana	493	360	338	335	293	284	313	559	557
Iowa	216	222	230	238	251	269	273	307	309
Kansas	362	301	347	327	349	358	375	417	411
Kentucky	302	306	337	313	328	371	331	493	506
Louisiana	460	365	394	358	363	383	449	488	503
Maine	169	164	135	123	135	150	181	211	227
Maryland	717	691	591	552	527	475	479	854	886
Massachusetts	1,089	1,037	979	928	865	844	871	1,590	1,593
Michigan	1,483	1,049	993	883	923	893	927	1,442	1,433
Minnesota	643	724	676	641	659	613	572	873	858
Mississippi	175	156	161	125	125	112	122	182	182
Missouri	452	369	426	403	436	448	471	519	514
Montana	43	52	62	72	82	93	96	101	102
Nebraska	228	237	244	249	258	265	274	298	301
Nevada	185	182	246	219	356	307	372	414	405
New Hampshire	218	209	196	182	171	165	167	343	347
New Jersey	1,389	1,283	994	977	897	859	866	1,925	1,984
New Mexico	76	65	77	75	77	73	75	121	126
New York	3,575	3,553	3,043	2,942	2,868	2,941	3,125	4,511	4,632
North Carolina	627	749	798	768	846	888	953	1,084	1,122
North Dakota	69	67	68	70	71	71	76	113	104
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0
Ohio	981	953	963	962	1,069	1,171	1,365	1,463	1,437
Oklahoma	329	329	362	387	420	445	474	519	503
Oregon	260	375	306	318	325	308	300	571	558
Pennsylvania	1,878	1,892	1,572	1,437	1,521	1,407	1,423	2,186	2,172
Puerto Rico	*	*	*	*	*	*	186	210	234
Rhode Island	267	265	276	287	291	290	301	316	310
South Carolina	290	292	330	321	349	369	399	472	491
South Dakota	128	136	135	119	117	119	124	140	136
Tennessee	538	543	576	465	483	510	523	751	720
Texas	2,332	1,884	1,906	1,969	1,859	1,944	1,919	2,349	2,324
Utah	281	260	282	245	242	212	211	269	336
Vermont	61	51	49	48	47	47	47	88	90
Virgin Islands	*	*	*	0	0	0	0	*	#
Virginia	1,058	1,110	1,047	1,032	1,048	1,034	1,043	1,427	1,463
Washington	505	514	506	479	480	428	471	1,020	1,013
West Virginia	118	118	117	119	121	132	141	195	213
Wisconsin	645	588	612	653	684	709	744	765	750
Wyoming	30	34	39	44	46	48	51	54	53
Total	33,975	31,388	29,896	28,626	28,729	28,725	30,049	43,753	43,963

# = Rounds to zero; \* = Data withheld to maintain firm confidentiality. Some data for December 2008 have been revised.

<sup>1</sup> See footnote 1, Table 1.

**Table 13**  
**ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State<sup>1</sup>**  
**(In Thousands)**

State	2005		2006		2007		2008		2009
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	2,024	2,024	1,979	2,016	1,982	1,991	1,861	1,746	1,665
Alaska	328	326	325	321	318	301	294	289	282
American Samoa	11	11	11	11	11	10	11	10	10
Arizona	2,326	2,295	2,227	2,175	2,109	2,035	1,943	1,847	1,741
Arkansas	1,216	1,215	1,193	1,164	1,132	1,105	1,069	1,021	982
California	18,945	19,631	19,479	18,926	18,485	17,864	17,149	16,345	15,555
Colorado	2,371	2,338	2,276	2,207	2,133	2,057	1,973	1,873	1,758
Connecticut	1,985	1,962	1,928	1,849	1,785	1,681	1,632	1,540	1,463
Delaware	479	467	468	450	432	414	396	380	363
District of Columbia	894	872	892	855	832	797	788	737	714
Florida	9,345	9,210	9,013	8,975	8,708	8,356	7,932	7,440	6,918
Georgia	3,972	3,970	3,844	4,045	3,957	3,824	3,675	3,468	3,304
Guam	0	67	68	68	67	66	62	54	51
Hawaii	644	627	608	584	562	541	516	512	489
Idaho	682	672	666	664	651	628	609	582	550
Illinois	6,214	6,497	6,354	6,154	5,976	5,773	5,562	5,342	5,086
Indiana	3,070	3,112	3,080	2,971	2,875	2,766	2,665	2,547	2,433
Iowa	1,356	1,325	1,302	1,273	1,245	1,200	1,162	1,113	1,079
Kansas	1,110	1,123	1,100	1,074	1,046	1,012	977	939	898
Kentucky	1,792	1,768	1,732	1,725	1,684	1,616	1,542	1,458	1,387
Louisiana	1,954	1,832	1,800	1,825	1,801	1,759	1,710	1,634	1,561
Maine	688	664	692	669	649	611	579	542	519
Maryland	3,173	3,097	3,166	3,079	2,984	2,886	2,792	2,588	2,520
Massachusetts	3,246	3,102	3,076	2,927	2,830	2,712	2,609	2,493	2,369
Michigan	4,411	4,609	4,491	4,303	4,118	3,895	3,719	3,514	3,320
Minnesota	2,385	2,319	2,273	2,210	2,137	2,078	2,006	1,922	1,826
Mississippi	1,117	1,114	1,089	1,108	1,091	1,035	1,018	963	920
Missouri	2,892	2,907	2,842	2,778	2,722	2,650	2,568	2,465	2,367
Montana	487	473	460	445	435	416	406	387	371
Nebraska	692	681	661	644	628	624	606	584	564
Nevada	1,252	1,246	1,233	1,200	1,158	1,106	1,042	972	911
New Hampshire	646	624	624	598	575	546	507	470	435
New Jersey	4,847	4,715	4,784	4,543	4,354	4,137	3,936	3,734	3,519
New Mexico	902	893	877	860	834	816	783	754	713
New York	8,292	8,020	8,297	7,900	7,417	7,068	6,902	6,557	6,234
North Carolina	4,239	4,142	4,060	4,067	3,973	3,847	3,715	3,519	3,335
North Dakota	280	279	272	267	261	253	248	241	233
Northern Mariana Isl.	0	23	21	21	19	18	18	17	17
Ohio	5,505	5,575	5,368	5,168	4,973	4,763	4,537	4,326	4,124
Oklahoma	1,535	1,521	1,470	1,425	1,375	1,321	1,267	1,216	1,169
Oregon	1,673	1,643	1,627	1,562	1,502	1,429	1,359	1,286	1,210
Pennsylvania	6,400	6,300	6,385	6,175	5,953	5,775	5,494	5,243	5,029
Puerto Rico	1,048	1,021	1,035	994	916	809	786	755	698
Rhode Island	394	369	363	340	327	312	302	292	281
South Carolina	1,895	1,939	1,908	1,909	1,866	1,798	1,728	1,629	1,561
South Dakota	297	279	280	278	276	268	261	251	244
Tennessee	2,727	2,718	2,676	2,695	2,618	2,537	2,436	2,297	2,170
Texas	9,730	10,036	9,958	9,738	9,608	9,329	9,020	8,673	8,307
Utah	917	924	915	894	864	844	811	776	725
Vermont	370	364	370	362	355	340	323	289	299
Virgin Islands	70	70	69	68	67	64	62	61	59
Virginia	3,925	3,834	3,844	3,734	3,642	3,540	3,422	3,265	3,160
Washington	3,137	3,063	2,994	2,868	2,762	2,643	2,509	2,367	2,211
West Virginia	891	876	852	828	806	780	752	714	677
Wisconsin	2,725	2,739	2,670	2,605	2,516	2,422	2,336	2,246	2,156
Wyoming	249	252	245	238	233	225	218	209	200
Total	143,758	143,773	142,293	138,834	134,640	129,693	124,606	118,498	112,743

Some data for December 2008 have been revised.

<sup>1</sup> See footnote 1, Table 1.

**Table 14**  
**Non-ILEC Methods of Providing Wireline Telephone Services by State**  
**as of June 30, 2009**  
**(In Thousands)**

State	Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP Subscriptions <sup>1</sup>	Total
Alabama	61	133	70	186	449
Alaska	*	*	*	*	*
American Samoa	0	0	0	0	0
Arizona	159	125	592	280	1,156
Arkansas	14	46	74	88	222
California	822	747	750	2,361	4,674
Colorado	156	167	72	420	815
Connecticut	39	83	106	412	639
Delaware	*	35	*	91	164
District of Columbia	54	29	43	55	181
Florida	374	536	151	1,618	2,680
Georgia	121	300	119	569	1,109
Guam	0	0	*	*	*
Hawaii	21	2	15	78	116
Idaho	21	30	20	44	115
Illinois	187	366	100	937	1,590
Indiana	56	112	75	314	557
Iowa	54	53	86	117	309
Kansas	49	69	135	159	411
Kentucky	62	84	108	251	506
Louisiana	52	105	119	228	503
Maine	25	63	15	124	227
Maryland	261	173	34	418	886
Massachusetts	303	294	145	851	1,593
Michigan	64	418	42	910	1,433
Minnesota	131	257	118	351	858
Mississippi	43	51	9	80	182
Missouri	61	128	51	274	514
Montana	9	10	23	59	102
Nebraska	52	8	183	59	301
Nevada	74	64	23	245	405
New Hampshire	44	84	23	196	347
New Jersey	428	232	123	1,202	1,984
New Mexico	33	19	18	56	126
New York	823	747	437	2,625	4,632
North Carolina	119	193	106	704	1,122
North Dakota	6	13	50	35	104
Northern Mariana Isl.	0	0	0	0	0
Ohio	127	272	185	852	1,437
Oklahoma	65	59	170	209	503
Oregon	79	155	28	296	558
Pennsylvania	465	475	301	932	2,172
Puerto Rico	42	*	*	107	234
Rhode Island	32	32	183	63	310
South Carolina	57	127	58	249	491
South Dakota	4	2	88	42	136
Tennessee	113	164	83	361	720
Texas	352	594	202	1,177	2,324
Utah	65	95	28	148	336
Vermont	13	25	9	43	90
Virgin Islands	0	0	0	#	#
Virginia	427	244	351	441	1,463
Washington	118	199	63	633	1,013
West Virginia	27	85	7	94	213
Wisconsin	41	262	33	413	750
Wyoming	4	6	3	40	53
Total	6,851	8,629	5,981	22,502	43,963

# = Rounds to zero. \* Data withheld to maintain firm confidentiality.

<sup>1</sup> See footnote 1, Table 1.

**Table 15**  
**Percentage of End-User Switched Access Lines and VoIP Subscriptions**  
**Provided to Residential Customers by State as of June 30, 2009**

State	ILECs	Non-ILECs	Total
Alabama	67%	57%	64%
Alaska	50	*	*
American Samoa	50	NA	50
Arizona	61	64	62
Arkansas	65	47	62
California	58	56	57
Colorado	64	49	59
Connecticut	60	70	63
Delaware	60	59	59
District of Columbia	22	29	23
Florida	62	58	61
Georgia	59	56	58
Guam	57	*	*
Hawaii	57	66	59
Idaho	65	50	62
Illinois	55	59	56
Indiana	64	65	64
Iowa	67	63	66
Kansas	58	63	60
Kentucky	63	75	67
Louisiana	61	63	62
Maine	73	58	68
Maryland	56	56	56
Massachusetts	58	55	57
Michigan	57	73	62
Minnesota	69	48	62
Mississippi	63	58	62
Missouri	65	58	64
Montana	65	68	65
Nebraska	57	56	57
Nevada	58	57	58
New Hampshire	69	55	63
New Jersey	57	63	59
New Mexico	67	45	64
New York	58	35	48
North Carolina	64	64	64
North Dakota	67	70	68
Northern Mariana Isl.	47	NA	47
Ohio	63	69	65
Oklahoma	63	67	64
Oregon	68	51	63
Pennsylvania	67	47	61
Puerto Rico	78	44	69
Rhode Island	63	59	61
South Carolina	65	59	64
South Dakota	62	74	67
Tennessee	66	54	63
Texas	60	54	59
Utah	65	46	59
Vermont	72	52	67
Virgin Islands	66	*	66
Virginia	58	47	54
Washington	65	62	64
West Virginia	76	48	69
Wisconsin	60	65	62
Wyoming	54	81	59
Nationwide	61	55	59

\* Data withheld to maintain firm confidentiality. NA is an abbreviation for not applicable.

**Table 16**  
**Number of Reporting ILECs, Non-ILECs, and VoIP Providers by State**  
**as of June 30, 2009**

State	ILECs	Non-ILECs	Total <sup>1</sup>	VoIP Providers <sup>2</sup>
Alabama	21	97	118	64
Alaska	17	18	35	15
American Samoa	1	0	1	0
Arizona	17	84	101	66
Arkansas	20	67	87	46
California	15	127	142	92
Colorado	26	85	111	63
Connecticut	2	70	72	57
Delaware	1	54	55	37
District of Columbia	1	69	70	49
Florida	10	165	175	100
Georgia	27	133	160	90
Guam	1	5	6	4
Hawaii	2	28	30	25
Idaho	20	60	80	46
Illinois	44	135	179	86
Indiana	29	109	138	67
Iowa	137	88	225	37
Kansas	37	87	124	54
Kentucky	16	104	120	61
Louisiana	11	78	89	46
Maine	8	52	60	35
Maryland	2	97	99	67
Massachusetts	5	87	92	62
Michigan	27	104	131	66
Minnesota	55	102	157	63
Mississippi	13	82	95	51
Missouri	32	87	119	58
Montana	18	52	70	37
Nebraska	33	62	95	43
Nevada	13	72	85	55
New Hampshire	8	64	72	47
New Jersey	3	106	109	70
New Mexico	17	64	81	43
New York	25	131	156	87
North Carolina	19	109	128	71
North Dakota	22	45	67	26
Northern Mariana Isl	1	0	1	0
Ohio	34	120	154	82
Oklahoma	38	77	115	47
Oregon	26	89	115	61
Pennsylvania	23	114	137	76
Puerto Rico	1	14	15	12
Rhode Island	1	48	49	36
South Carolina	17	103	120	62
South Dakota	28	45	73	31
Tennessee	18	107	125	71
Texas	49	155	204	94
Utah	11	59	70	46
Vermont	8	44	52	33
Virgin Islands	1	4	5	4
Virginia	16	107	123	79
Washington	18	91	109	65
West Virginia	7	54	61	39
Wisconsin	42	99	141	55
Wyoming	10	48	58	34
Nationwide	777	715	1,492	382

<sup>1</sup> Holding companies or common-control entities that report both ILEC and non-ILEC operations in a state are counted once in the ILECs column and once in the Non-ILECs column for that state. Either type of operations might report interconnected VoIP subscribers.

<sup>2</sup> The providers reporting interconnected VoIP subscribers in a state are a subset of the ILECs and non-ILECs in that state.

**Table 17**  
**Mobile Telephone Facilities-based Carriers and Mobile Telephony Subscribers**

State	Jun 2009		Subscribers (In Thousands)								
	Carriers	% Resold <sup>1</sup>	2005		2006		2007		2008		2009
			Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	14	7	2,874	3,105	3,276	3,375	3,605	3,765	3,887	3,960	4,003
Alaska	12	5	341	377	397	412	432	460	480	383	544
American Samoa	*	*	*	*	*	*	*	*	*	*	*
Arizona	12	7	3,543	3,844	4,153	4,405	4,637	4,800	4,936	4,983	5,005
Arkansas	8	11	1,681	1,781	1,924	2,044	2,149	2,288	2,446	2,530	2,576
California	16	7	24,572	25,537	27,497	29,717	30,204	32,247	31,946	32,177	32,215
Colorado	12	10	3,041	3,247	3,428	3,608	3,756	3,968	4,066	4,311	4,348
Connecticut	9	7	2,329	2,463	2,582	2,705	2,787	2,884	2,959	3,030	3,047
Delaware	8	8	585	618	650	683	724	751	775	778	779
District of Columbia	8	9	753	825	879	880	966	936	1,047	1,096	1,116
Florida	13	10	12,620	12,568	14,177	14,762	15,255	15,605	15,809	16,158	16,425
Georgia	15	7	6,001	6,079	6,865	7,282	7,598	7,941	8,142	8,322	8,562
Guam	*	*	*	*	*	*	*	*	*	*	*
Hawaii	7	4	934	983	1,010	1,035	1,067	1,096	1,115	1,184	1,196
Idaho	17	6	774	834	901	973	1,019	1,086	1,125	1,167	1,180
Illinois	15	7	8,227	8,655	9,148	9,589	9,949	10,330	10,634	10,919	11,070
Indiana	13	10	3,443	3,716	3,973	4,271	4,448	4,675	4,824	4,956	4,983
Iowa	67	9	1,634	1,811	1,867	2,010	2,058	2,166	2,245	2,319	2,340
Kansas	15	13	1,660	1,794	1,905	2,047	2,133	2,261	2,326	2,421	2,430
Kentucky	12	10	2,508	2,662	2,821	2,966	3,101	3,291	3,343	3,445	3,439
Louisiana	10	7	2,942	3,192	3,356	3,492	3,612	3,765	3,896	4,012	4,053
Maine	8	18	711	746	787	845	882	941	972	1,012	1,006
Maryland	11	7	3,968	4,239	4,471	4,691	4,818	5,024	5,124	5,234	5,260
Massachusetts	9	45	4,488	4,728	4,917	5,129	5,289	5,470	5,624	5,749	6,027
Michigan	14	12	6,230	6,604	6,863	7,094	7,333	7,608	7,821	8,027	8,171
Minnesota	9	9	3,132	3,380	3,543	3,702	3,834	4,048	4,164	4,345	4,254
Mississippi	11	8	1,631	1,821	1,923	2,030	2,070	2,196	2,252	2,312	2,361
Missouri	14	9	3,595	3,853	4,068	4,322	4,480	4,674	4,835	4,940	4,985
Montana	8	8	466	525	575	620	650	694	723	748	707
Nebraska	11	8	1,071	1,160	1,199	1,272	1,325	1,387	1,451	1,496	1,508
Nevada	13	9	1,605	1,777	1,883	1,990	2,093	2,167	2,249	2,268	2,325
New Hampshire	8	11	791	849	897	943	973	1,022	1,045	1,080	1,075
New Jersey	9	6	6,234	6,617	6,954	7,207	7,419	7,654	7,834	8,008	8,036
New Mexico	10	8	1,025	1,170	1,253	1,333	1,416	1,489	1,555	1,536	1,550
New York	13	11	12,996	13,805	14,574	15,262	15,901	16,395	17,260	16,702	18,194
North Carolina	13	9	5,503	5,792	6,209	6,627	6,962	7,306	7,428	8,024	8,193
North Dakota	8	6	368	432	457	473	492	513	541	581	562
Northern Mariana Isl.	*	*	*	*	*	*	*	*	*	*	*
Ohio	13	10	6,994	7,504	7,939	8,380	8,723	9,099	9,357	9,565	9,456
Oklahoma	17	8	2,002	2,189	2,317	2,480	2,572	2,723	2,808	2,889	2,931
Oregon	11	8	2,056	2,339	2,484	2,656	2,781	2,923	3,007	3,084	3,112
Pennsylvania	15	11	7,397	7,942	8,349	8,831	9,201	9,615	9,895	10,214	10,455
Puerto Rico	7	1	2,003	2,111	2,171	2,301	2,323	2,411	2,502	2,624	2,706
Rhode Island	7	9	689	749	765	798	829	848	874	888	880
South Carolina	14	9	2,607	2,784	3,001	3,209	3,340	3,500	3,573	3,323	3,374
South Dakota	9	6	434	481	514	548	570	596	611	631	613
Tennessee	13	10	4,066	4,417	4,731	5,127	4,971	5,246	5,791	5,518	5,676
Texas	27	7	14,424	15,644	16,928	17,822	18,792	19,677	20,390	21,008	21,460
Utah	15	6	1,414	1,530	1,649	1,775	1,874	1,971	2,046	2,095	2,109
Vermont	7	18	295	314	334	358	375	402	421	435	398
Virgin Islands	*	*	*	*	*	*	*	*	*	*	*
Virginia	12	11	4,851	5,073	5,325	5,607	6,148	6,416	6,242	6,856	6,596
Washington	11	8	4,062	4,249	4,495	4,799	5,035	5,292	5,461	5,624	5,671
West Virginia	10	19	821	858	965	1,040	1,095	1,173	1,236	1,295	1,315
Wisconsin	14	11	3,200	3,366	3,517	3,510	3,641	3,842	3,966	4,265	4,322
Wyoming	13	7	315	342	359	387	410	441	457	484	429
Nationwide	177	10 %	192,053	203,667	217,418	229,619	238,316	249,332	255,729	261,284	265,333

\* Data withheld to maintain firm confidentiality.

<sup>1</sup> Percentage of mobile telephony subscribers purchasing their service subscriptions from a mobile wireless reseller.

**Table 18**  
**Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers<sup>1</sup>**

Number of Providers <sup>2</sup>	2005		2006		2007		2008		2009
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Zero	17.4	18.4	17.7	17.7	17.7	19.4	18.3	7.7	8.7
One	10.5	11.4	11.3	11.1	11.1	11.7	11.6	9.2	10.1
Two	7.6	7.6	7.8	8.2	8.3	8.3	8.6	7.8	7.9
Three	6.0	6.2	6.2	6.7	6.7	6.2	6.3	6.4	6.1
Four	4.8	4.7	5.0	5.2	5.4	5.0	5.0	5.4	5.4
Five	4.2	4.1	4.2	4.4	4.4	3.9	4.1	4.8	4.6
Six	3.4	3.6	3.5	3.8	3.8	3.5	3.5	4.2	4.0
Seven	3.1	3.3	3.2	3.2	3.4	3.3	3.2	3.6	3.4
Eight	3.1	2.9	2.9	3.0	2.8	2.9	3.0	3.2	3.1
Nine	2.8	2.7	2.8	2.7	2.9	2.6	2.7	2.8	2.6
Ten or More	36.9	35.0	35.3	34.0	33.5	33.1	33.6	44.7	44.0

**Table 19**  
**Percentage of Households in ZIP Codes with CLECs or Non-ILEC VoIP Providers<sup>1</sup>**

Number of Providers <sup>2</sup>	2005		2006		2007		2008		2009
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Zero	2.2	2.4	2.3	2.4	2.4	2.8	2.6	0.4	0.5
One	2.1	2.3	2.4	2.5	2.4	2.6	2.4	0.9	1.2
Two	2.3	2.2	2.1	2.2	2.2	2.4	2.4	1.2	1.3
Three	2.2	2.3	2.2	2.4	2.3	2.5	2.4	1.3	1.4
Four	2.2	2.1	2.3	2.4	2.4	2.2	2.2	1.3	1.5
Five	2.2	2.2	2.0	2.4	2.5	2.2	2.2	1.6	1.4
Six	1.9	2.2	1.9	2.4	2.3	2.2	2.1	1.7	1.5
Seven	2.0	2.4	2.2	2.4	2.4	2.5	2.3	1.8	1.5
Eight	2.6	2.5	2.3	2.5	2.4	2.8	2.8	1.7	1.8
Nine	2.4	2.7	2.7	2.5	2.8	2.8	2.7	1.6	1.6
Ten or More	77.9	76.8	77.4	76.1	75.8	75.0	75.9	86.6	86.2

Demographic data were created by geographically merging contemporaneous Tele Atlas ® Dynamap ® ZIP Code Boundary & Inventory Files with census block-level population data from the 2000 Census of Population and Housing. Figures may not add to 100% due to rounding.

<sup>1</sup> See footnote 1, Table 1.

<sup>2</sup> A holding company or common-control entity that reports both CLEC end-user switched access lines and interconnected VoIP subscribers in a state reports a single list of ZIP Codes in which it has any such customers and is counted once in each listed ZIP Code.

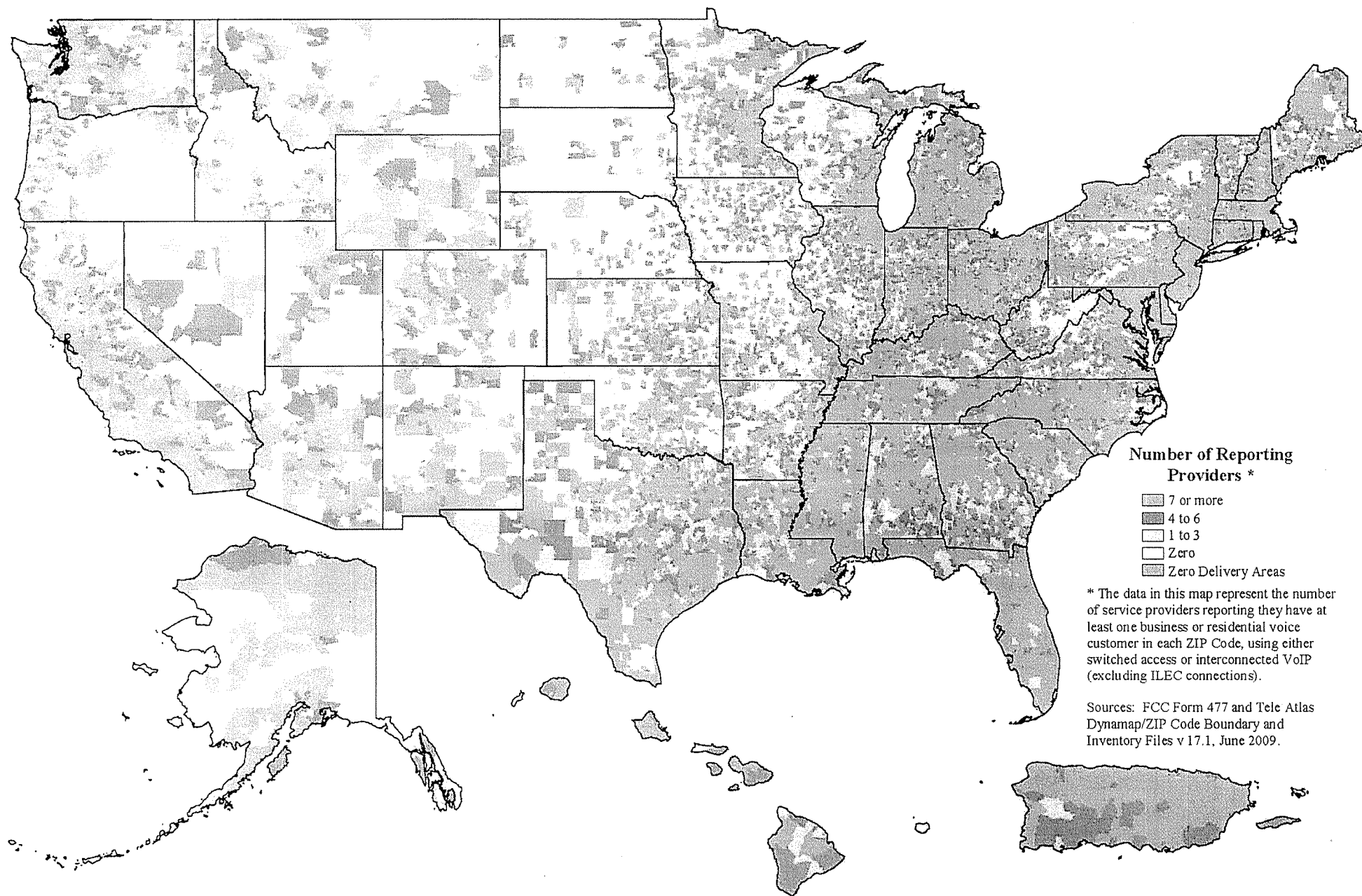


**Table 20**  
**Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers by State**  
**as of June 30, 2009**

State	Number of Providers								
	Zero	One - Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
Alabama	5 %	19 %	7 %	5 %	4 %	3 %	3 %	3 %	51 %
Alaska	58	26	2	2	3	3	2	2	1
Arizona	7	17	5	4	3	3	2	2	58
Arkansas	16	44	7	5	5	5	3	1	15
California	3	12	4	4	4	3	2	2	67
Colorado	14	25	4	2	3	3	3	1	45
Connecticut	0	7	6	6	10	6	4	7	53
Delaware	0	3	2	7	3	2	0	2	81
District of Columbia	4	8	0	0	0	0	0	0	88
Florida	0	4	2	2	1	2	2	2	85
Georgia	2	20	6	5	4	3	2	2	54
Hawaii	6	19	16	8	9	7	2	2	32
Idaho	14	41	4	9	4	3	4	2	20
Illinois	6	31	9	6	4	4	2	2	38
Indiana	4	24	9	7	7	5	3	2	39
Iowa	21	49	6	4	3	2	2	1	12
Kansas	22	34	5	6	3	4	3	2	22
Kentucky	7	29	8	7	6	6	4	3	30
Louisiana	3	23	2	6	5	3	5	2	50
Maine	5	23	10	10	11	8	8	4	21
Maryland	1	5	4	4	5	3	3	4	72
Massachusetts	0	4	2	1	2	2	2	2	83
Michigan	1	12	4	6	6	5	4	5	56
Minnesota	14	35	6	4	4	3	3	2	30
Mississippi	1	13	5	5	5	5	4	3	59
Missouri	21	36	5	4	3	2	2	2	25
Montana	44	34	3	2	2	3	2	2	10
Nebraska	31	48	3	2	2	1	2	1	10
Nevada	8	21	5	5	3	4	3	1	51
New Hampshire	1	6	5	8	6	5	8	5	57
New Jersey	0	0	0	1	1	1	1	2	93
New Mexico	23	36	5	4	2	4	2	2	22
New York	1	12	4	4	4	3	5	5	63
North Carolina	2	16	8	6	3	5	4	4	53
North Dakota	45	45	3	2	1	1	1	0	4
Ohio	0	12	7	7	7	7	5	4	51
Oklahoma	17	35	3	3	3	2	3	2	32
Oregon	11	32	4	6	4	2	4	4	33
Pennsylvania	3	26	4	5	3	4	4	2	46
Puerto Rico	0	5	10	8	9	13	24	17	13
Rhode Island	1	8	8	3	7	1	5	3	64
South Carolina	1	15	5	6	4	4	2	3	60
South Dakota	39	47	2	2	2	1	1	0	4
Tennessee	0	19	5	4	5	4	3	5	55
Texas	7	21	4	3	3	2	2	1	55
Utah	8	31	6	4	5	2	4	1	40
Vermont	2	33	13	7	8	8	4	6	19
Virginia	7	29	7	6	4	4	3	3	36
Washington	4	26	6	2	3	3	3	2	50
West Virginia	11	39	10	8	7	4	4	2	15
Wisconsin	9	42	7	4	4	3	3	1	26
Wyoming	15	52	9	4	1	0	1	4	14
Nationwide	9 %	24 %	5 %	5 %	4 %	3 %	3 %	3 %	44 %

# Reporting Non-ILEC Interconnected VoIP Providers and CLECs by 5-Digit Geographical ZIP Code

(As of June 30, 2009)



Prepared by the Federal Communications Commission,  
Wireline Competition Bureau, Industry Analysis and Technology Division

# Customer Response

Publication: *Local Telephone Competition: Status as of June 30, 2009*

You can help us provide the best possible information to the public by completing this form and returning it to the Industry Analysis and Technology Division of the FCC's Wireline Competition Bureau.

1. Please check the category that best describes you:

- ☐ press
- ☐ current telecommunications carrier
- ☐ potential telecommunications carrier
- ☐ business customer evaluating vendors/service options
- ☐ consultant, law firm, lobbyist
- ☐ other business customer
- ☐ academic/student
- ☐ residential customer
- ☐ FCC employee
- ☐ other federal government employee
- ☐ state or local government employee
- ☐ Other (please specify)

2. Please rate the report:      Excellent      Good      Satisfactory      Poor      No opinion

- |                      |                       |                       |                       |                       |                       |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Data accuracy        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Data presentation    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Timeliness of data   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Completeness of data | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Text clarity         | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Completeness of text | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

3. Overall, how do you rate this report?      Excellent      Good      Satisfactory      Poor      No opinion

☐      ☐      ☐      ☐      ☐

4. How can this report be improved?

5. May we contact you to discuss possible improvements?

Name:

Telephone #:

To discuss the information in this report, contact: 202-418-0940 or for users of TTY equipment, call 202-418-0484		
Fax this response to	or	Mail this response to
202-418-0520		FCC/WCB/IATD, Mail Stop 1600 F Washington, DC 20554