Local Telephone Competition: Status as of December 31, 2013

Industry Analysis and Technology Division
Wireline Competition Bureau
October 2014

This report is available for reference in the FCC's Reference Information Center, Courtyard Level, 445 12th Street, SW, Washington, DC. Copies may be purchased by contacting Best Copy and Printing, Inc., 445 12th Street, SW, Room CY-B402, Washington, DC 20554, telephone (800) 378-3160, or via their website at www.bcpiweb.com. The report can also be downloaded from the Wireline Competition Bureau Statistical Reports Internet site at www.fcc.gov/wcb/stats.

Contents

TEXT

Introduction....1
Retail local telephone service....1
Service providers....3
Interconnected VoIP service....6
Switched access lines....9
Wholesale relationships for switched access lines....9
Remainder of the report....11
Technical Notes....30
Glossary....31

FIGURES

1. Retail Local Telephone Service Connections, 2010 - 2013....2
2. Wireline Retail Local Telephone Service Connections by Technology and Customer Type....3
3. Wireline Retail Local Telephone Service Connections by Customer Type and Regulatory Status....4
4. Wireline Retail Local Telephone Service Connections by Technology, Regulatory Status, and Customer Type....5
5. Interconnected VoIP Subscribership by Reported Service Features....7
6. Technology of Internet Access Connections in Interconnected VoIP Broadband Bundles....8
7. Technology of Retail Switched Access Lines....9
8. Wholesale Relationships as Reported Respectively by CLECs and ILECs....10

TABLES

1. Total End-User Switched Access Lines and VoIP Subscriptions....12
2. Total End-User Switched Access Lines and VoIP Subscriptions by Customer Type....13
3. End-User Switched Access Lines and VoIP Subscriptions by Customer Type....14
4. End-User Switched Access Lines and VoIP Subscriptions Reported by Non-ILECs....15
5. ILEC End-User (Retail) and Wholesale Switched Access Lines, VoIP Subscriptions, and UNEs....16
6. End-User Switched Access Lines and VoIP Subscriptions by Type of Technology for Non-ILEC Providers....17
7. Percentage of Switched Access Lines Presubscribed for Long Distance Service....18
8. Residential and Business Presubscribed Switched Access Lines....19
9. Total End-User Switched Access Lines and VoIP Subscriptions by State....20
10. Residential End-User Switched Access Lines and VoIP Subscriptions by State....21

11. Business End-User Switched Access Lines and VoIP Subscriptions by State.....22
12. Non-ILEC Share of Total End-User Switched Access Lines and VoIP Subscriptions by State.....23
13. Non-ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State 24
14. ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State 25
15. Non-ILEC Methods of Providing Wireline Telephone Services by State 26
16. Percentage of End-User Switched Access Lines and VoIP Subscriptions Provided to Residential Customers by State.....27
17. Number of Reporting ILECs, Non-ILECs, and VoIP Providers by State 28
18. Mobile Telephone Facilities-based Carriers and Mobile Telephony Subscribers 29

CHARTS

1. Total End-User Switched Access Lines and VoIP Subscriptions 12
2. Percent of Total Lines and VoIP Subscriptions that Serve Residential Customers.....13
3. VoIP Share of Total End-User Switched Access Lines and VoIP Subscriptions.....14
4. Non-ILEC End-User Switched Access Lines and VoIP Subscriptions.....15
5. ILEC Total Lines and the Percent Provided to CLECs.....16
6. End-User Switched Access Lines and VoIP Subscriptions by Type of Technology for Non-ILEC Providers.....17
7. Percent Presubscribed Interstate Long Distance Lines for ILECs.....18

Local Telephone Competition: Status as of December 31, 2013

Introduction. The Commission has used FCC Form 477 to collect subscribership information from providers of local telephone service – the incumbent local exchange carriers (ILECs), competitive local exchange carriers (CLECs), and mobile telephony providers – for more than a decade.[1] The Commission has required interconnected Voice over Internet Protocol ("interconnected VoIP") service providers to report subscribership information since December 2008 because the use of VoIP technology is growing rapidly and it increasingly is used to provide local telephone service.[2]

This report summarizes the information collected about telephone services as of December 31, 2013. It demonstrates continued growth in subscribership to interconnected VoIP and mobile telephony services and continued decline in subscribership to traditional wired telephone services.[3]

Retail local telephone service. Retail local telephone service customers are served by two wireline technologies – "end-user" switched access lines and interconnected VoIP "subscriptions" – and by mobile wireless subscriptions.

- In December 2013, there were 85 million end-user switched access lines in service, 48 million interconnected VoIP subscriptions, and 311 million mobile subscriptions in the United States, or 444 million retail local telephone service connections in total. See Figure 1.

---

[1] *See* the Technical Notes and the Glossary that appear at the end of this report for more-detailed information about the Form 477 and the meaning of terms used in this report. For an overview of program history for the telephone services data, see *Local Telephone Competition: Status as of December 31, 2008* (June 2010) at pp. 1-2, available at http://www.fcc.gov/encyclopedia/local-telephone-competition-reports. Readers who are interested in historical trends in the data should note the changes in reporting requirements that were effective in 2008 and earlier, in 2005.

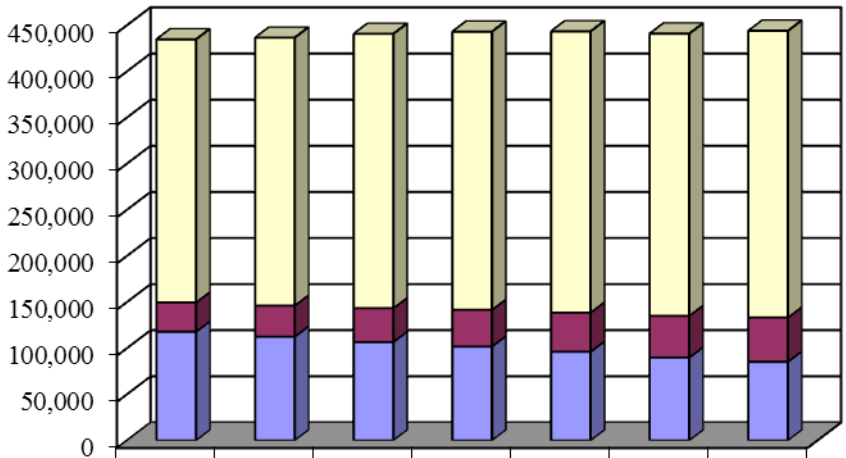
[2] The FCC's rules (at 47 C.F.R. § 9.3) state:
An interconnected Voice over Internet Protocol (VoIP) service is a service that:
(1) Enables real-time, two-way voice communications;
(2) Requires a broadband connection from the user's location;
(3) Requires Internet protocol-compatible customer premises 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.

[3] 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.

- Over the three-year period presented in Figure 1, interconnected VoIP subscriptions increased at a compound annual growth rate of 15%, mobile telephony subscriptions increased at a compound annual growth rate of 3%, and retail switched access lines declined at 10% a year.[4]

Figure 1
Retail Local Telephone Service Connections, 2010 - 2013
(In Thousands)



	Dec 2010	Jun 2011	Dec 2011	Jun 2012	Dec 2012	Jun 2013	Dec 2013
Mobile Telephony Subscriptions	285,118	290,318	297,404	301,516	304,838	305,742	310,698
Interconnected VoIP Subscriptions	31,768	33,767	36,670	39,760	42,457	45,291	47,953
Retail Switched Access Lines	117,884	112,447	106,649	101,832	96,138	89,834	85,280

- Of the 133 million wireline retail local telephone service connections (including both switched access lines and interconnected VoIP subscriptions) in December 2013, 75 million (or 56%) were residential connections and 58 million (or 44%) were business connections.[5] See Figure 2.

[4] The compound annual growth rate (CAGR) is a smoothed rate of growth calculated in three steps. First, divide the ending (December 2013) value by the beginning (December 2010) value. Second, raise the result of that division to a power equal to one divided by the number of years in the period (in this case, 3 years, so the power is 1/3). Third, subtract the number one from the result of the second step.

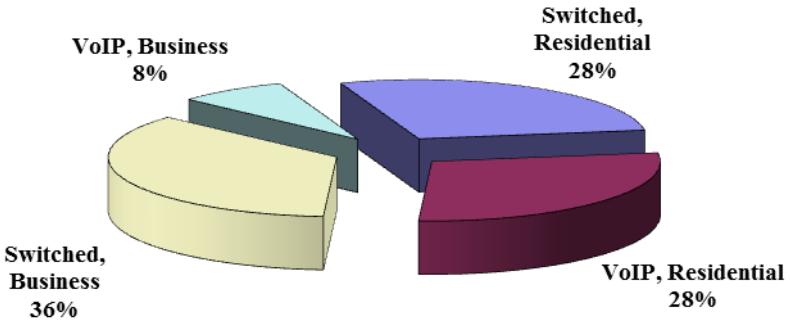
[5] FCC Form 477 does not distinguish between residential and business subscribers to mobile *telephony* service. The information that Form 477 collects about mobile *broadband* service is summarized elsewhere; see *Internet Access Services: Status as of December 31, 2013*, available at http://www.fcc.gov/reports/internet-access-services-reports.

- Cross-classified by technology and customer type, the 133 million wireline retail local telephone service connections in December 2013 were: 28% residential switched access lines, 36% business switched access lines, 28% residential interconnected VoIP subscriptions, and 8% business interconnected VoIP subscriptions. See Figure 2.

Figure 2
Wireline Retail Local Telephone Service Connections by Technology and Customer Type as of December 31, 2013 (In Thousands)

	Switched Access Lines	Interconnected VoIP	Total
Residential	37,572	37,683	75,255
Business	47,709	10,270	57,979
Total	85,281	47,953	133,233

Figures may not add to totals due to rounding.



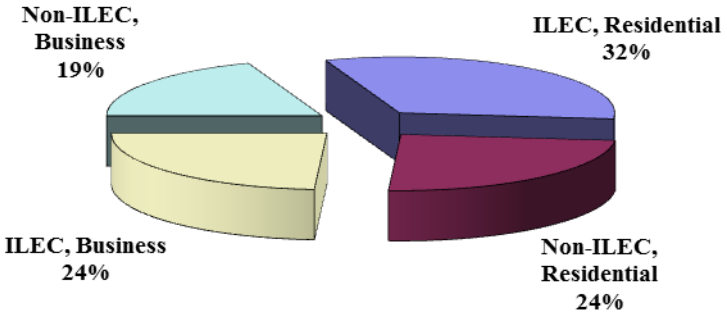
Service providers. The Form 477 program – and this report – distinguishes ILEC operations from all other operations.

- Cross-classified by customer type (residential or business) and the service retailer's regulatory status (ILEC or non-ILEC), the 133 million wireline retail local telephone service connections in December 2013 were: 32% ILEC residential service, 24% ILEC business service, 24% non-ILEC residential service, and 19% non-ILEC business service. See Figure 3.

Figure 3
Wireline Retail Local Telephone Service Connections by Customer Type and Regulatory Status as of December 31, 2013 (In Thousands)

	Residential	Business	Total
ILEC	43,006	32,077	75,082
Non-ILEC	32,249	25,902	58,151
Total	75,255	57,979	133,233

Figures may not add to totals due to rounding.

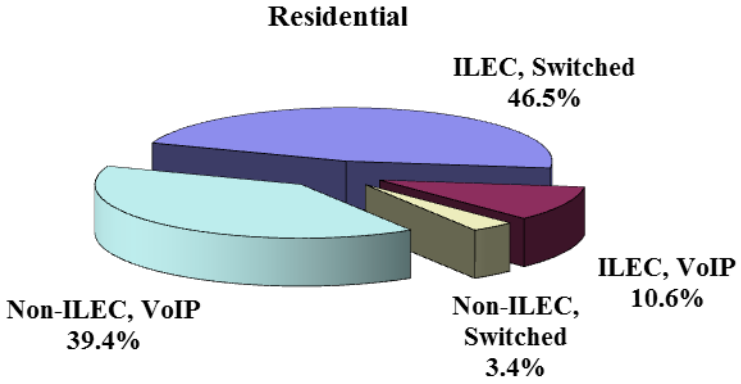


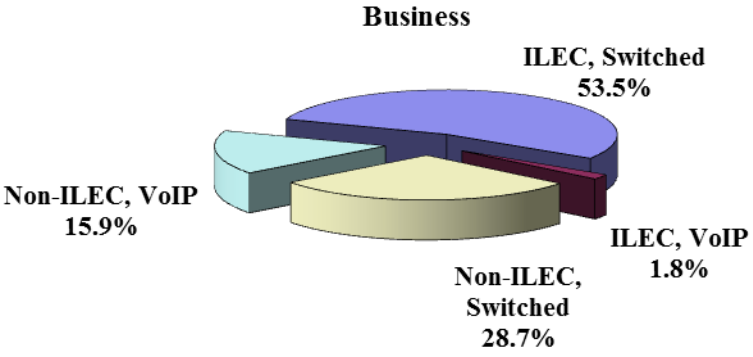
- Additionally cross-classified by technology, the 75 million wireline residential connections in December 2013 were: 46.53% ILEC switched access lines, 39.4% non-ILEC interconnected VoIP subscriptions, 3.4% non-ILEC switched access lines, and 10.6% ILEC interconnected VoIP subscriptions. Similarly, the 58 million wireline business connections were: 53.5% ILEC switched access lines, 28.7% non-ILEC switched access lines, 15.9% non-ILEC interconnected VoIP subscriptions, and 1.8% ILEC interconnected VoIP subscriptions. See Figure 4.

Figure 4
Wireline Retail Local Telephone Service Connections by Technology, Regulatory Status, and Customer Type as of December 31, 2013 (In Thousands)

Total	Switched Access Lines	Interconnected VoIP	Total
ILEC	66,036	9,046	75,082
Non-ILEC	19,245	38,906	58,151
Total	85,281	47,953	133,233
Residential			
ILEC	34,995	8,010	43,006
Non-ILEC	2,577	29,673	32,249
Residential Total	37,572	37,683	75,255
Business			
ILEC	31,041	1,036	32,077
Non-ILEC	16,668	9,234	25,902
Business Total	47,709	10,270	57,979

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 between the interconnected VoIP subscriptions they sell to their broadband Internet access service customers ("broadband bundle" subscriptions, in this report) and all the other interconnected VoIP subscriptions that they sell ("standalone" subscriptions).

- 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).

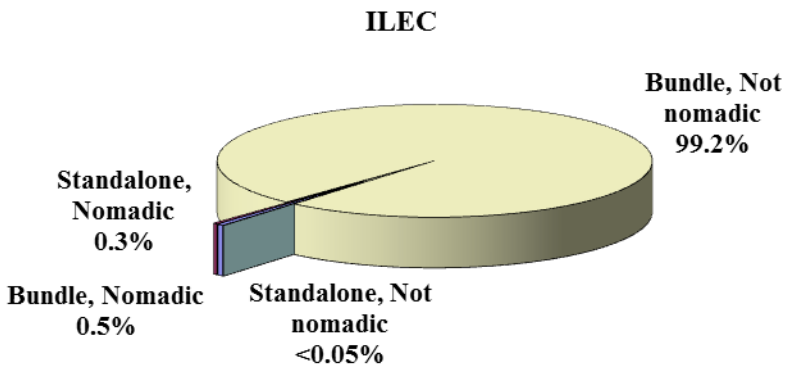
- Third, filers identify the different broadband technologies (for example, cable modem Internet access service) in the broadband bundle.

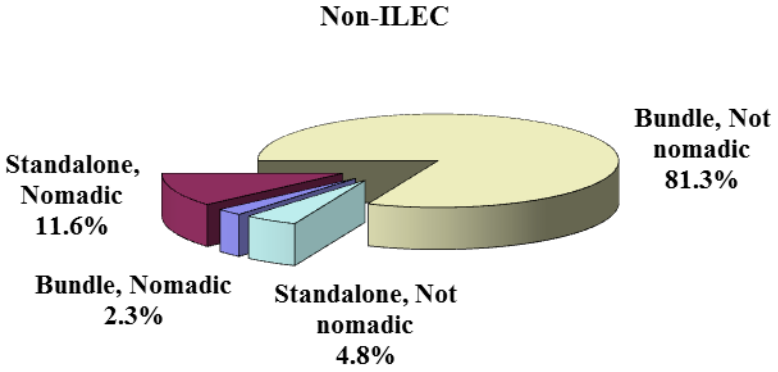
The Form 477 data cross-classify the first two of these three sets of information. See Figure 5.

Figure 5
Interconnected VoIP Subscribership by Reported Service Features
as of December 31, 2013 (In Thousands)

Total	**Broadband Bundle**	**Standalone VoIP**	**Total**
Nomadic	946	4,537	5,483
Not nomadic	40,611	1,858	42,470
Total	41,558	6,395	47,953
ILEC			
Nomadic	42	30	72
Not nomadic	8,973	1	8,974
ILEC Total	9,015	31	9,046
Non-ILEC			
Nomadic	904	4,507	5,411
Not nomadic	31,639	1,857	33,495
Non-ILEC Total	32,542	6,364	38,906

Figures may not add to totals due to rounding.



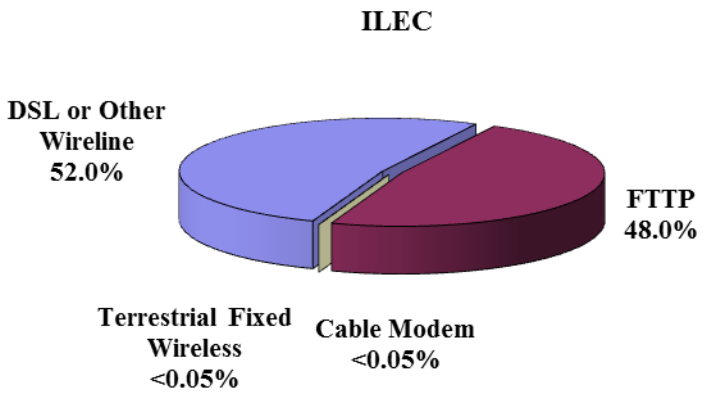


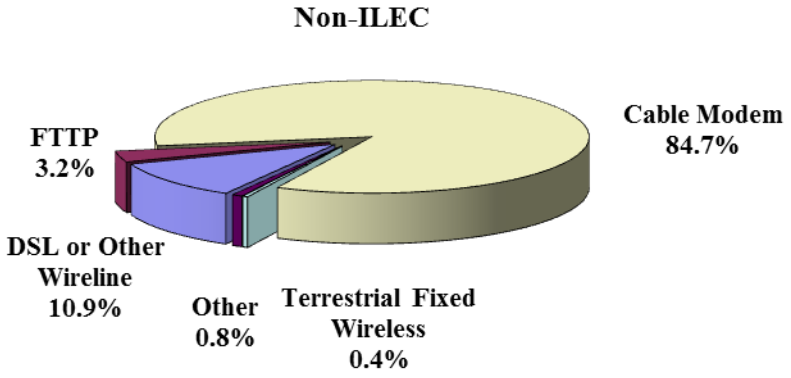
Form 477 collects the third type of information about retail interconnected VoIP service – the technology of the Internet access connection – for broadband bundles but not for standalone interconnected VoIP. See Figure 6.[6]

Figure 6
Technology of Internet Access Connections in Interconnected VoIP Broadband Bundles as of December 31, 2013 (In Thousands)

Technology	ILEC	Non-ILEC	Total
DSL or Other Wireline	4,691	3,554	8,244
FTTP	4,324	1,035	5,359
Cable Modem	1	27,574	27,574
Terrestrial Fixed Wireless	#	128	128
Other	0	253	253
Total	9,015	32,542	41,558

Figures may not add to totals due to rounding.





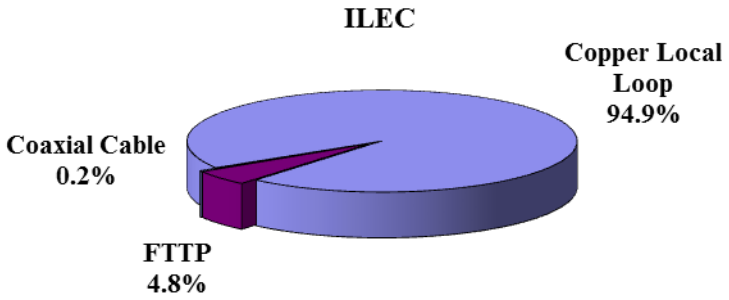
[6] *Internet Access Services: Status as of December 31, 2013* discusses types of Internet access connections in greater detail. The report is available at www.fcc.gov/wcb/iatd/comp.html.

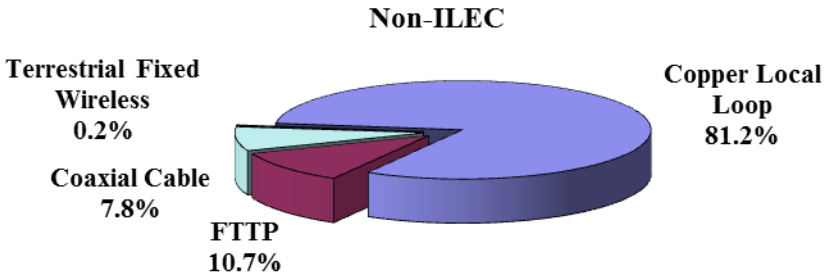
Switched access lines. ILECs as a group predominantly deliver retail switched access lines over copper local loops. This appears also to be the case for those non-ILECs who report retail switched access lines. See Figure 7.

Figure 7
Technology of Retail Switched Access Lines
as of December 31, 2013 (In Thousands)

Technology	ILEC	Non-ILEC	Total
FTTP	3,191	2,068	5,259
Coaxial Cable	162	1,505	1,667
Terrestrial Fixed Wireless	21	46	67
Copper Local Loop	62,662	15,625	78,288
Total	66,036	19,245	85,281

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 services. By contrast, CLECs use a range of methods: equipping ILEC UNE loops ("UNE-L") as CLEC switched access lines,[7] reselling services (for example, reselling ILEC

[7] 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.

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

- CLECs reported using several methods to provide their 19.2 million retail switched access lines in December 2013. They reported providing 43% of lines (or 8.3 million lines) by reselling ILEC wholesale or retail services. They reported providing 31% of lines (or 5.9 million lines) over ILEC facilities leased at regulated, cost-based rates (that is, as unbundled network elements, or UNEs). And they provided the remaining 26% of lines (or 5.0 million lines) over local loops that they owned. However, the information about wholesale relationships differs as reported by CLECs and by ILECs, as discussed in Figure 8.

Figure 8
Wholesale Relationships as Reported Respectively by CLECs and ILECs as of December 31, 2013 (In Thousands)

	CLEC Retail Switched Access Lines provisioned over ILEC Services (reported by CLECs)	ILEC Wholesale Switched Access Lines and UNEs provided to CLECs (reported by ILECs)	Difference
Resold ILEC services[1]	8,318	3,851	4,467
UNE-P[2]	831	1	830
UNE-L[3]	5,106	2,690	2,416
Total ILEC UNEs	5,937	2,691	3,246
Total ILEC services	14,254	6,542	7,712

Figures may not add to totals due to rounding.

[1] 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, below.) 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).

[2] 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 data of the *Triennial Review Remand Order*, that is, by March 11, 2006. *See* C.F.R. § 51.319(d)(2)(ii).

[3] 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.

Remainder of the report. The remainder of the report consists of tables and charts that summarize national and state-specific data.

* * * *

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 sending comments to IATDreports@fcc.gov for subject: December 2013 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.

Table 1
Total End-User Switched Access Lines and VoIP Subscriptions[1]
(In Thousands)

Date	Provided by		Total	Non-ILEC Share
	ILEC	Non-ILEC		
Dec 2008	118,496	44,267	162,763	27.2
Jun 2009	112,748	44,351	157,098	28.2
Dec 2009	107,018	45,927	152,945	30.0
Jun 2010	102,395	49,077	151,472	32.4
Dec 2010	97,497	52,155	149,652	34.9
Jun 2011	93,394	52,820	146,214	36.1
Dec 2011	89,427	53,892	143,319	37.6
Jun 2012	85,848	55,744	141,592	39.4
Dec 2012	82,114	56,481	138,595	40.8
Jun 2013	78,537	56,587	135,125	41.9
Dec 2013	75,082	58,151	133,233	43.6

Some previously published data have been revised.

[1] Mandatory reporting by interconnected VoIP service providers started in December 2008. Previously, individual ILECs and CLECs included VoIP subscribers in reported switched access lines to a varying and largely unknown degree. 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
Total End-User Switched Access Lines and VoIP Subscriptions
(In Millions)

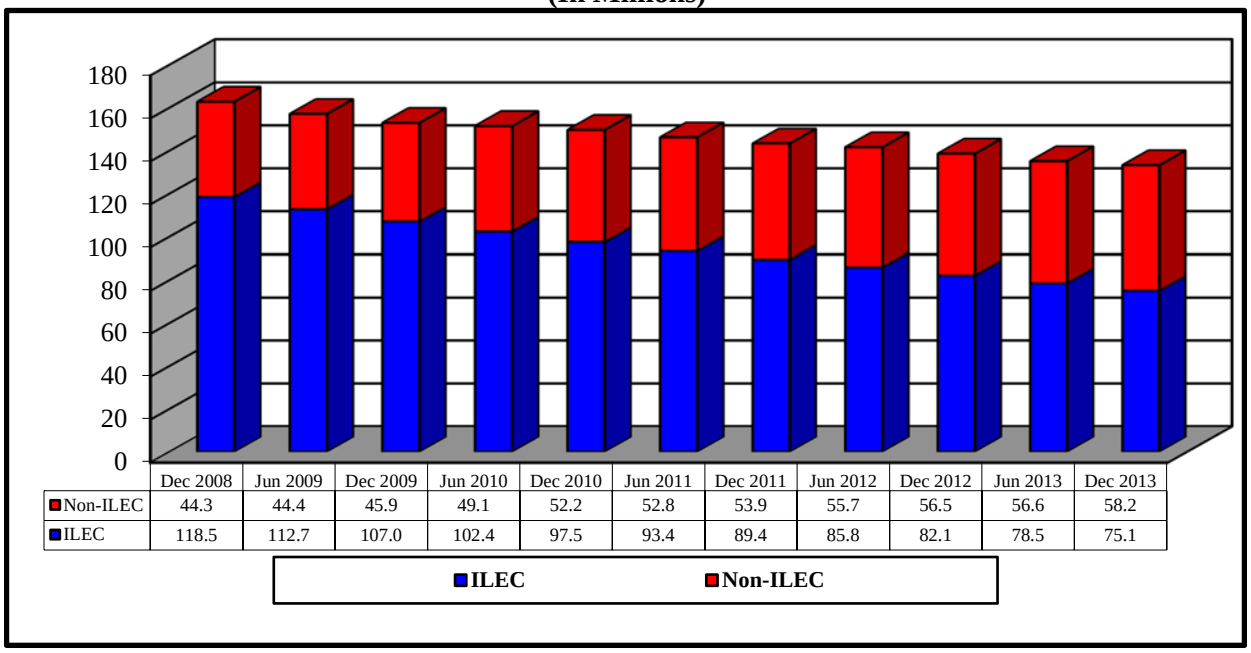


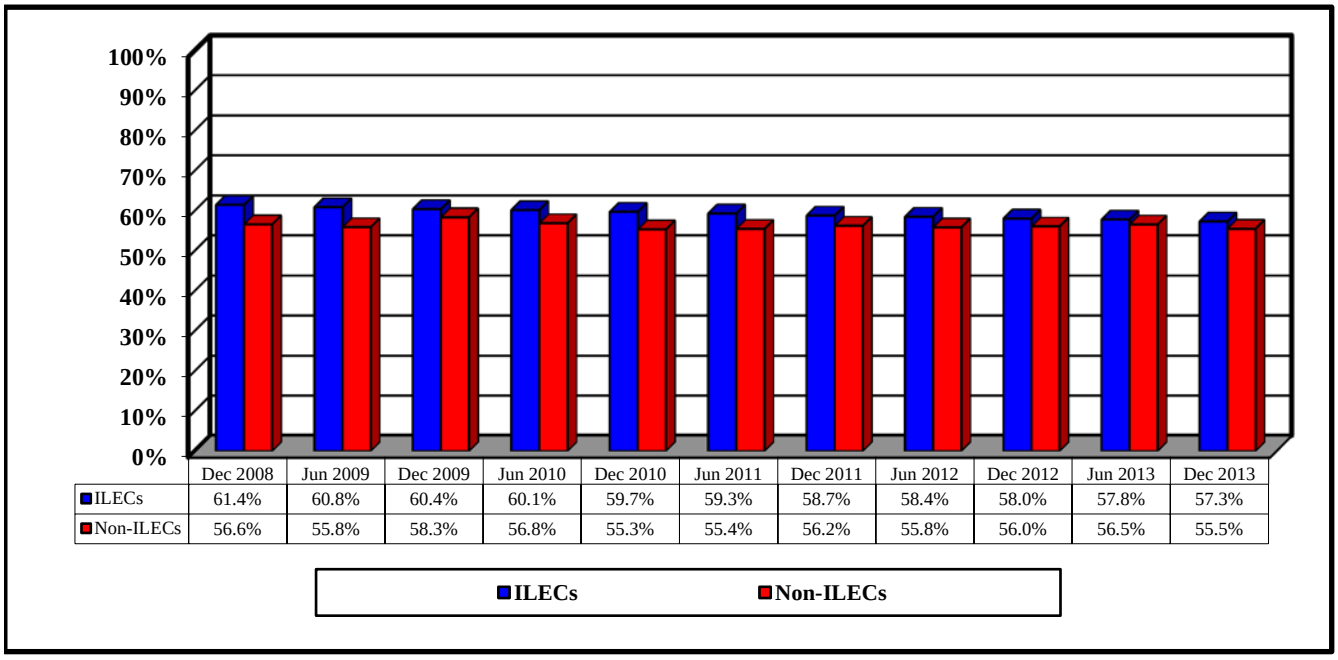
Table 2
Total End-User Switched Access Lines and VoIP Subscriptions by Customer Type[1]
(In Thousands)

Date	Reporting ILECs			Reporting Non-ILECs		
	Residential	Business	% Residential	Residential	Business	% Residential
Dec 2008	72,786	45,711	61.4	25,049	19,218	56.6
Jun 2009	68,581	44,166	60.8	24,769	19,582	55.8
Dec 2009	64,613	42,405	60.4	26,793	19,134	58.3
Jun 2010	61,579	40,816	60.1	27,899	21,178	56.8
Dec 2010	58,194	39,303	59.7	28,851	23,304	55.3
Jun 2011	55,365	38,029	59.3	29,272	23,548	55.4
Dec 2011	52,530	36,897	58.7	30,285	23,607	56.2
Jun 2012	50,165	35,683	58.4	31,109	24,635	55.8
Dec 2012	47,639	34,476	58.0	31,641	24,839	56.0
Jun 2013	45,365	33,172	57.8	31,988	24,599	56.5
Dec 2013	43,006	32,077	57.3	32,249	25,902	55.5

Some previously published data have been revised.

[1] 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 Total Lines and VoIP Subscriptions that Serve Residential Customers



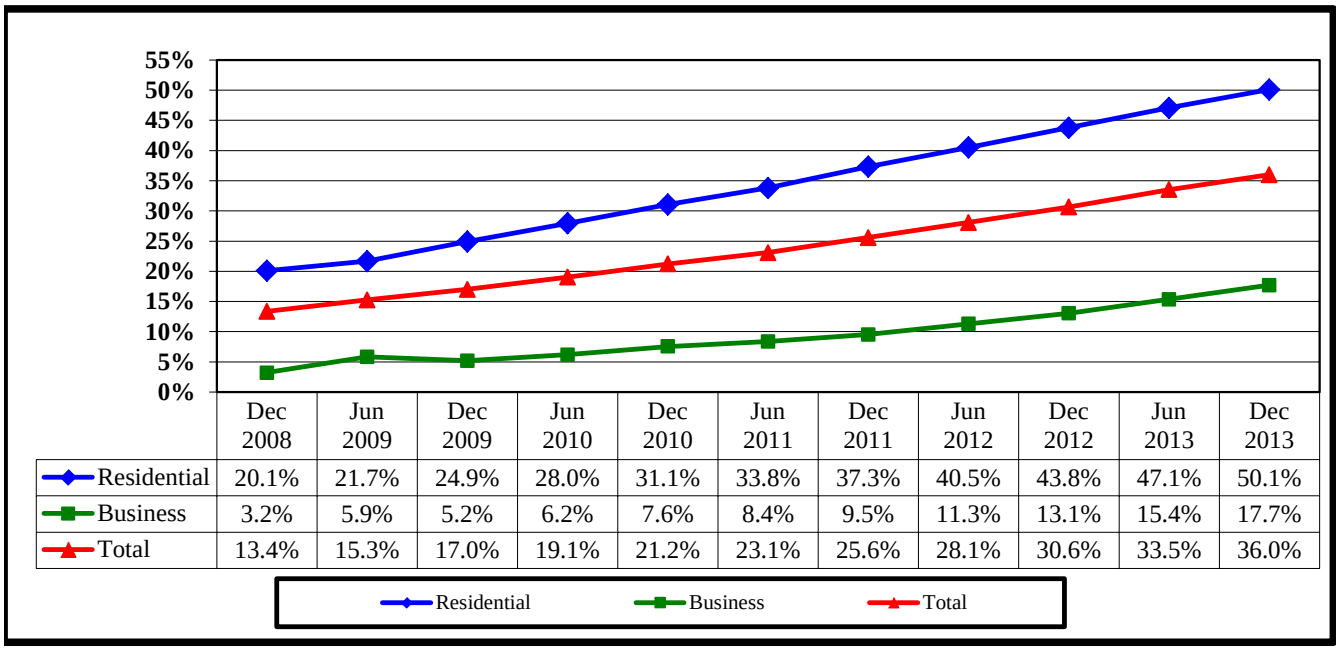
	Dec 2008	Jun 2009	Dec 2009	Jun 2010	Dec 2010	Jun 2011	Dec 2011	Jun 2012	Dec 2012	Jun 2013	Dec 2013
ILECs	61.4%	60.8%	60.4%	60.1%	59.7%	59.3%	58.7%	58.4%	58.0%	57.8%	57.3%
Non-ILECs	56.6%	55.8%	58.3%	56.8%	55.3%	55.4%	56.2%	55.8%	56.0%	56.5%	55.5%

Table 3
End-User Switched Access Lines and VoIP Subscriptions by Customer Type
(In Thousands)

Date	End-User Switched Access Lines			VoIP Subscriptions			Total		
	Residential	Business	Total	Residential	Business	Total	Residential	Business	Total
Dec 2008	78,180	62,839	141,019	19,655	2,090	21,744	97,835	64,929	162,763
Jun 2009	73,093	60,015	133,109	20,257	3,733	23,990	93,350	63,748	157,098
Dec 2009	68,614	58,335	126,949	22,793	3,204	25,996	91,406	61,539	152,945
Jun 2010	64,463	58,152	122,615	25,015	3,842	28,857	89,478	61,994	151,472
Dec 2010	60,010	57,874	117,884	27,036	4,733	31,768	87,045	62,607	149,652
Jun 2011	56,019	56,428	112,447	28,617	5,150	33,767	84,637	61,577	146,214
Dec 2011	51,920	54,729	106,649	30,895	5,775	36,670	82,815	60,504	143,319
Jun 2012	48,337	53,495	101,832	32,937	6,823	39,760	81,274	60,318	141,592
Dec 2012	44,573	51,565	96,138	34,707	7,750	42,457	79,280	59,315	138,595
Jun 2013	40,944	48,890	89,834	36,409	8,882	45,291	77,353	57,771	135,125
Dec 2013	37,572	47,709	85,281	37,683	10,270	47,953	75,255	57,979	133,233

Some previously published data have been revised. Figures may not sum to totals due to rounding.

Chart 3
VoIP Share of Total End-User Switched Access Lines and VoIP Subscriptions



	Dec 2008	Jun 2009	Dec 2009	Jun 2010	Dec 2010	Jun 2011	Dec 2011	Jun 2012	Dec 2012	Jun 2013	Dec 2013
Residential	20.1%	21.7%	24.9%	28.0%	31.1%	33.8%	37.3%	40.5%	43.8%	47.1%	50.1%
Business	3.2%	5.9%	5.2%	6.2%	7.6%	8.4%	9.5%	11.3%	13.1%	15.4%	17.7%
Total	13.4%	15.3%	17.0%	19.1%	21.2%	23.1%	25.6%	28.1%	30.6%	33.5%	36.0%

Table 4
End-User Switched Access Lines and VoIP Subscriptions Reported by Non-ILECs[1]
(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 [3]					
			Resold LEC service	ILEC UNEs [2]			Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP
Dec 2008	705	44,267	7,083	9,612	6,359	21,216	16.0	21.7	14.4	47.9
Jun 2009	720	44,351	6,799	8,516	6,005	23,032	15.3	19.2	13.5	51.9
Dec 2009	758	45,927	7,100	8,029	5,993	24,802	15.5	17.5	13.0	54.0
Jun 2010	787	49,077	8,249	7,701	6,231	26,895	16.8	15.7	12.7	54.8
Dec 2010	809	52,155	8,634	7,313	7,294	28,912	16.6	14.0	14.0	55.4
Jun 2011	834	52,820	8,492	6,950	7,242	30,136	16.1	13.2	13.7	57.1
Dec 2011	874	53,892	8,201	6,769	6,937	31,978	15.2	12.6	12.9	59.3
Jun 2012	879	55,744	8,139	6,654	7,006	33,948	14.6	11.9	12.6	60.9
Dec 2012	921	56,481	7,696	6,890	6,300	35,593	13.6	12.2	11.2	63.0
Jun 2013	940	56,587	7,982	6,320	5,023	37,257	14.1	11.2	8.9	65.8
Dec 2013	969	58,151	8,318	5,937	4,995	38,906	14.3	10.2	8.6	66.9

Some previously published data have been revised. Figures may not sum to totals due to rounding.

[1] See footnote 1, Table 1.

[2] 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.

[3] Lines provided over CLEC-owned "last-mile" facilities.

Chart 4
Non-ILEC End-User Switched Access Lines and VoIP Subscriptions as of December 31, 2013

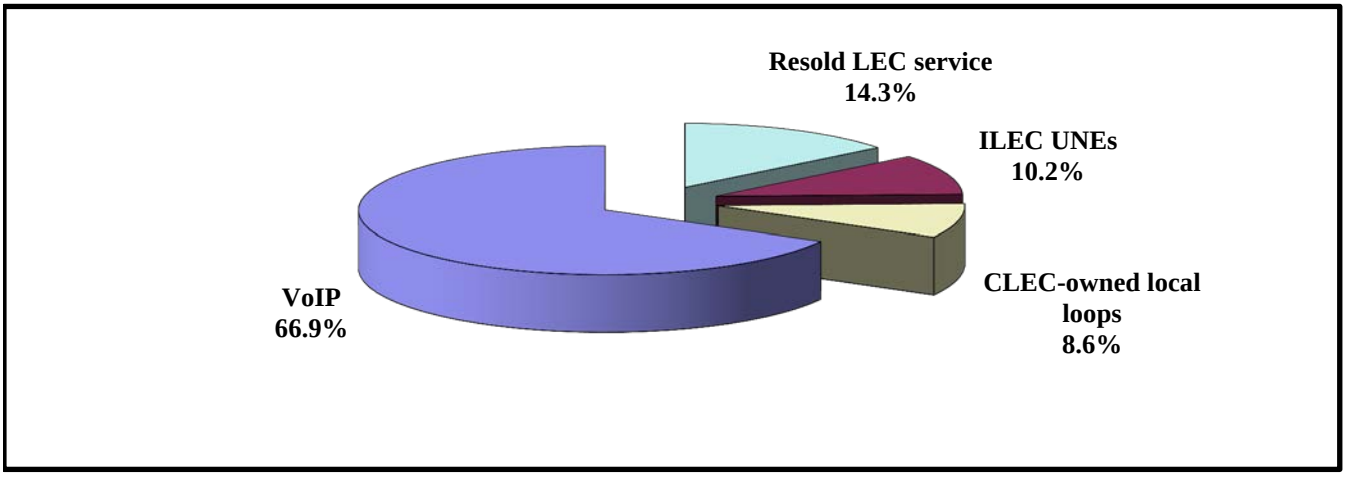


Table 5
ILEC End-User (Retail) and Wholesale Switched Access Lines, VoIP Subscriptions, and UNEs[1]
(Lines, Subscriptions, and UNEs in Thousands)

Date	Reporting ILECs[2]	ILEC Total Lines[3]	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[4]	Total UNEs		
Dec 2008	777	128,288	117,968	529	3,209	3,844	2,740	6,583	9,792	7.6
Jun 2009	777	121,879	111,790	958	3,008	3,580	2,543	6,123	9,131	7.5
Dec 2009	766	116,070	105,824	1,194	2,988	3,668	2,396	6,063	9,051	7.8
Jun 2010	763	110,798	100,433	1,962	5,023	3,254	127	3,381	8,403	7.6
Dec 2010	754	105,386	94,641	2,856	4,712	3,124	53	3,177	7,889	7.5
Jun 2011	756	101,056	89,763	3,631	4,578	3,081	4	3,085	7,662	7.6
Dec 2011	755	96,890	84,735	4,692	4,366	3,028	68	3,097	7,463	7.7
Jun 2012	755	93,033	80,036	5,812	4,059	3,005	121	3,126	7,185	7.7
Dec 2012	754	89,067	75,250	6,864	4,038	2,913	1	2,914	6,953	7.8
Jun 2013	754	85,282	70,504	8,033	3,957	2,787	1	2,788	6,744	7.9
Dec 2013	754	81,624	66,036	9,046	3,851	2,690	1	2,691	6,542	8.0

[1] See footnote 1, Table 1.

[2] Fewer ILECs were counted after mid-year 2007 primarily because FCC staff identified additional common-control relationships.

[3] 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.

[4] 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"). In the *Triennial Review Remand Order*, which was adopted on December 15, 2004, the Commission directed CLECs to migrate their retail customers served by these methods to alternative arrangements by March 11, 2006, i.e., within 12 months of the date the order went into effect. *See* C.F.R. § 51.319(d)(2)(ii).

Chart 5
ILEC Total (Retail and Wholesale) Lines and Lines Provided to CLECs for Resale

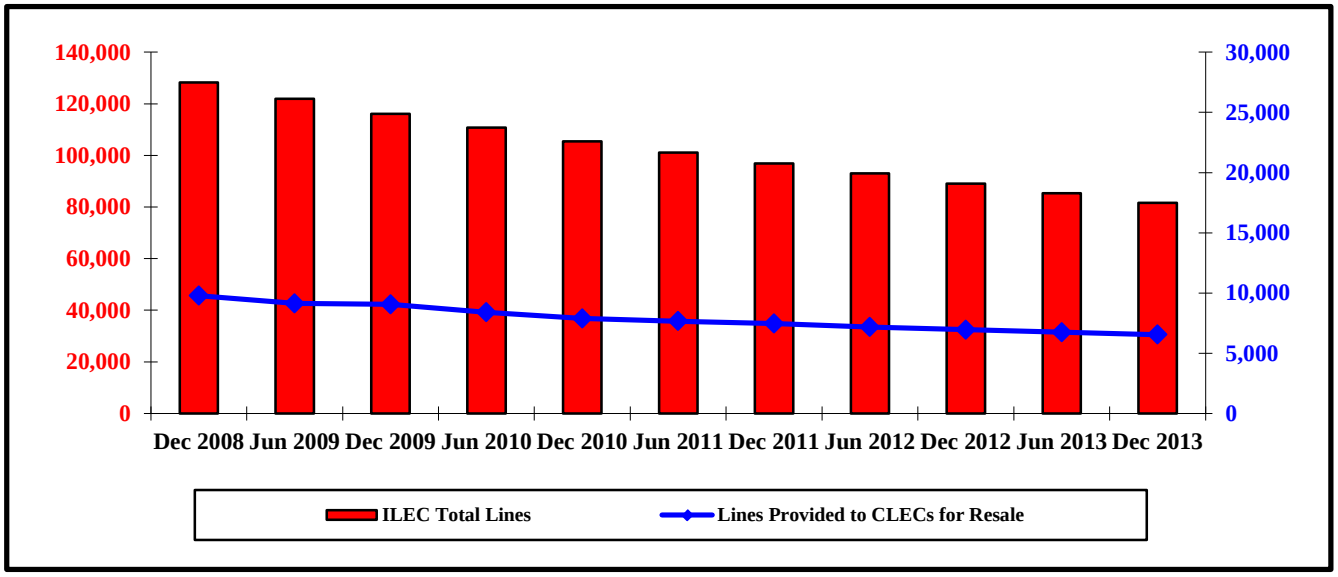


Table 6
End-User Switched Access Lines and VoIP Subscriptions
by Type of Technology for Non-ILEC Providers[1]
(In Thousands)

Date	Coaxial Cable[2]	Other Technology	Total	Percent Coaxial Cable
Dec 2008	20,108	24,158	44,267	45.4
Jun 2009	21,547	22,804	44,351	48.6
Dec 2009	23,171	22,756	45,927	50.5
Jun 2010	24,339	24,738	49,077	49.6
Dec 2010	25,877	26,278	52,155	49.6
Jun 2011	26,645	26,175	52,820	50.4
Dec 2011	27,776	26,116	53,892	51.5
Jun 2012	28,541	27,203	55,744	51.2
Dec 2012	29,317	27,164	56,481	51.9
Jun 2013	30,205	26,382	56,587	53.4
Dec 2013	30,882	27,269	58,151	53.1

Some previously published data have been revised.

[1] See footnote 1, Table 1.

[2] Reported end-user switched access lines and interconnected VoIP connections that terminate on coaxial cable at the end user's premises. Starting, systematically, with the December 2008 data, interconnected VoIP service providers report subscriptions they sold in a bundle with cable modem Internet access service. For December 2008 and later dates, 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.

Chart 6
End-User Switched Access Lines and VoIP Subscriptions
by Type of Technology for Non-ILEC Providers
(In Thousands)

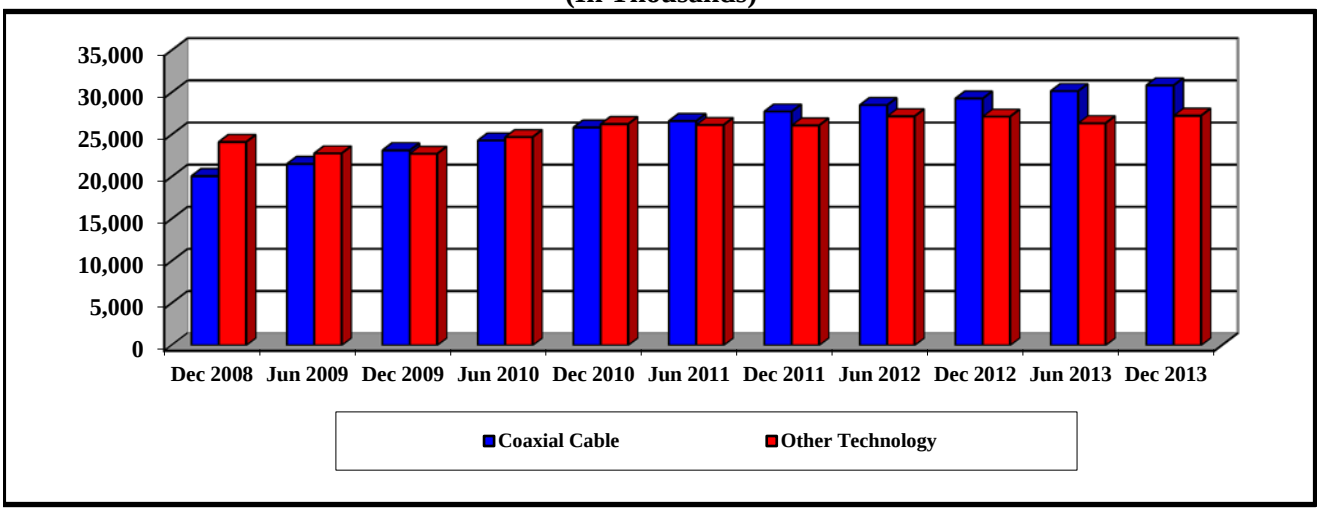


Table 7
Percentage of Switched Access Lines Presubscribed for Long Distance Service

	ILEC	CLEC	Total
Residential			
Dec 2008	68	80	69
Jun 2009	69	80	70
Dec 2009	70	76	71
Jun 2010	70	76	71
Dec 2010	69	77	69
Jun 2011	69	78	70
Dec 2011	68	78	69
Jun 2012	66	76	66
Dec 2012	65	78	66
Jun 2013	65	79	66
Dec 2013	65	81	66
Business			
Dec 2008	44	70	51
Jun 2009	43	72	51
Dec 2009	43	71	51
Jun 2010	44	73	53
Dec 2010	50	76	59
Jun 2011	52	80	62
Dec 2011	52	75	59
Jun 2012	51	74	59
Dec 2012	51	73	59
Jun 2013	52	70	58
Dec 2013	55	69	60
Total			
Dec 2008	59	73	61
Jun 2009	59	74	61
Dec 2009	60	72	62
Jun 2010	60	74	62
Dec 2010	61	76	64
Jun 2011	62	80	66
Dec 2011	61	75	64
Jun 2012	59	75	62
Dec 2012	59	74	62
Jun 2013	59	71	62
Dec 2013	60	70	63

Chart 7
Percent Presubscribed Interstate Long Distance Lines for ILECs

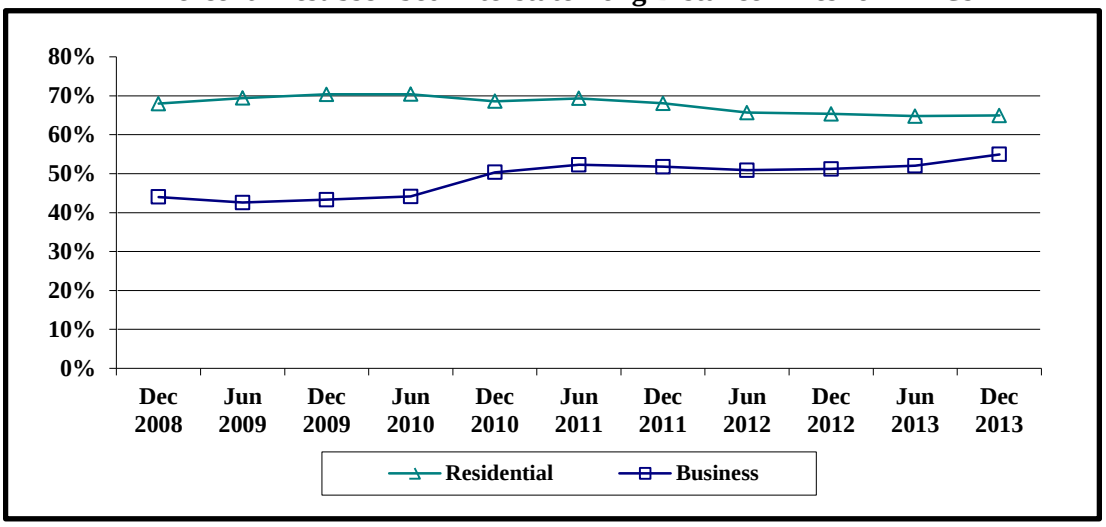


Table 8
Residential and Business Presubscribed Switched Access Lines
(In Thousands)

	December 31, 2013		
	ILEC	**CLEC**	**Total**
Residential			
Presubscribed	22,735	2,094	24,829
Not Presubscribed	12,261	482	12,743
All Lines	34,995	2,577	37,572
Percent Presubscribed	65%	81%	66%
Business			
Presubscribed	17,061	11,454	28,515
Not Presubscribed	13,979	5,214	19,194
All Lines	31,041	16,668	47,709
Percent Presubscribed	55%	69%	60%
Total			
Presubscribed	39,796	13,548	53,344
Not Presubscribed	26,240	5,697	31,937
All Lines	66,036	19,245	85,280
Percent Presubscribed	60%	70%	63%
	June 30, 2013		
	ILEC Total	**CLEC**	**Total**
Residential			
Presubscribed	24,732	2,186	26,917
Not Presubscribed	13,437	590	14,027
All Lines	38,169	2,775	40,944
Percent Presubscribed	65%	79%	66%
Business			
Presubscribed	16,830	11,531	28,361
Not Presubscribed	15,505	5,023	20,528
All Lines	32,335	16,555	48,890
Percent Presubscribed	52%	70%	58%
Total			
Presubscribed	41,562	13,717	55,279
Not Presubscribed	28,942	5,613	34,555
All Lines	70,504	19,330	89,834
Percent Presubscribed	59%	71%	62%

Some previously published data have been revised. Figures may not sum to totals due to rounding.

Table 9
Total End-User Switched Access Lines and VoIP Subscriptions by State as of December 31, 2013
(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	985	0	92	1,076	333	68	322	722	1,799	40
Alaska	216	0	#	216	*	2	2	*	*	*
American Samoa	8	0	0	8	0	0	0	0	8	0
Arizona	1,089	0	1	1,090	489	149	741	1,380	2,470	56
Arkansas	621	0	42	664	104	26	144	274	937	29
California	8,762	3	1,242	10,007	1,947	980	3,513	6,440	16,447	39
Colorado	1,085	0	0	1,085	318	136	675	1,129	2,213	51
Connecticut	805	#	167	971	176	83	617	876	1,848	47
Delaware	186	#	69	256	51	23	124	199	454	44
District of Columbia	460	#	26	486	263	30	118	410	897	46
Florida	3,571	3	717	4,291	1,362	538	2,406	4,306	8,597	50
Georgia	2,007	0	246	2,253	817	222	831	1,870	4,123	45
Guam	69	0	0	69	*	1	*	*	*	*
Hawaii	378	1	11	389	31	8	96	135	524	26
Idaho	334	0	0	334	70	22	80	173	507	34
Illinois	2,738	0	407	3,145	550	294	1,309	2,153	5,298	41
Indiana	1,375	0	139	1,514	199	102	536	838	2,351	36
Iowa	746	#	#	746	158	34	192	385	1,131	34
Kansas	527	#	52	579	185	43	225	452	1,031	44
Kentucky	994	0	59	1,052	207	33	308	547	1,599	34
Louisiana	944	0	97	1,041	251	65	378	695	1,736	40
Maine	347	0	#	348	140	16	149	305	653	47
Maryland	1,376	3	494	1,872	346	151	622	1,118	2,991	37
Massachusetts	1,308	2	343	1,652	506	192	1,116	1,814	3,466	52
Michigan	1,745	1	260	2,006	335	221	1,140	1,695	3,701	46
Minnesota	1,218	#	2	1,221	477	90	760	1,326	2,547	52
Mississippi	572	#	51	623	72	30	132	235	858	27
Missouri	1,352	0	188	1,539	219	71	364	654	2,193	30
Montana	260	0	0	260	37	7	97	141	400	35
Nebraska	409	0	0	409	182	29	158	368	777	47
Nevada	574	0	19	593	113	73	358	544	1,137	48
New Hampshire	266	0	1	267	88	46	263	396	663	60
New Jersey	1,700	4	619	2,323	587	233	1,637	2,457	4,781	51
New Mexico	469	0	0	469	62	27	120	209	677	31
New York	3,564	8	981	4,553	1,444	334	3,237	5,014	9,567	52
North Carolina	2,170	#	114	2,284	764	152	903	1,819	4,102	44
North Dakota	191	0	0	191	81	5	40	126	317	40
Northern Mariana Isl.	15	0	0	15	0	0	0	0	15	0
Ohio	2,464	0	222	2,686	441	136	1,062	1,639	4,324	38
Oklahoma	724	0	55	779	207	59	318	584	1,363	43
Oregon	752	0	0	752	206	90	438	734	1,486	49
Pennsylvania	2,971	3	544	3,519	1,359	294	1,397	3,051	6,570	46
Puerto Rico	543	0	0	543	94	20	149	263	806	33
Rhode Island	151	#	79	230	132	29	108	269	499	54
South Carolina	1,004	0	86	1,090	295	77	337	708	1,798	39
South Dakota	187	0	#	187	130	5	72	208	395	53
Tennessee	1,219	0	129	1,348	612	107	560	1,280	2,627	49
Texas	4,737	1	872	5,610	1,102	414	1,515	3,032	8,642	35
Utah	447	0	0	447	165	71	339	575	1,022	56
Vermont	212	0	#	212	39	14	81	133	346	39
Virgin Islands	43	0	0	43	0	*	0	*	*	*
Virginia	1,787	2	458	2,247	705	220	797	1,722	3,969	43
Washington	1,366	#	1	1,367	323	186	900	1,410	2,777	51
West Virginia	521	0	0	521	94	17	176	288	809	36
Wisconsin	1,342	#	129	1,471	246	85	500	830	2,302	36
Wyoming	133	0	1	134	16	6	64	85	219	39
Nationwide	66,036	31	9,015	75,082	19,245	6,364	32,542	58,151	133,233	44

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

Table 10
Residential End-User Switched Access Lines and VoIP Subscriptions by State as of December 31, 2013
(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	589	0	81	671	63	51	253	367	1,038	35
Alaska	100	0	0	100	*	1	#	*	*	*
American Samoa	4	0	0	4	0	0	0	0	4	0
Arizona	616	0	0	616	204	87	426	717	1,333	54
Arkansas	356	0	37	393	11	16	106	133	526	25
California	4,136	3	1,072	5,211	344	591	2,467	3,402	8,613	39
Colorado	644	0	0	644	13	74	505	592	1,236	48
Connecticut	402	#	144	546	31	54	540	626	1,172	53
Delaware	87	#	66	153	3	14	112	130	283	46
District of Columbia	81	#	18	99	10	10	51	71	170	42
Florida	1,910	3	641	2,553	35	366	2,088	2,488	5,042	49
Georgia	1,056	0	200	1,255	60	148	674	881	2,136	41
Guam	56	0	0	56	*	1	*	*	*	*
Hawaii	189	0	0	189	0	5	85	90	279	32
Idaho	195	0	0	195	19	12	49	80	275	29
Illinois	1,269	0	331	1,600	45	185	1,096	1,327	2,927	45
Indiana	747	0	124	871	34	68	460	562	1,434	39
Iowa	473	#	#	473	59	25	111	195	668	29
Kansas	282	#	45	327	63	26	142	231	557	41
Kentucky	601	0	34	635	39	19	265	323	958	34
Louisiana	516	0	84	600	57	45	269	371	971	38
Maine	237	0	0	237	11	10	133	154	392	39
Maryland	584	3	468	1,055	56	89	472	617	1,671	37
Massachusetts	600	2	328	929	42	122	1,040	1,203	2,132	56
Michigan	839	1	219	1,059	54	165	1,009	1,227	2,287	54
Minnesota	810	#	#	810	86	57	407	550	1,360	40
Mississippi	315	0	43	359	13	20	111	144	503	29
Missouri	781	0	158	938	21	50	277	348	1,286	27
Montana	163	0	0	163	12	4	74	90	252	36
Nebraska	226	0	0	226	72	16	90	179	405	44
Nevada	323	0	16	339	1	47	263	311	650	48
New Hampshire	165	0	0	165	2	31	246	279	444	63
New Jersey	750	4	587	1,340	43	153	1,393	1,588	2,928	54
New Mexico	293	0	0	293	7	17	89	113	406	28
New York	1,726	8	920	2,654	135	171	2,580	2,885	5,539	52
North Carolina	1,294	#	97	1,391	19	103	752	875	2,266	39
North Dakota	121	0	0	121	38	3	6	47	168	28
Northern Mariana Isl.	7	0	0	7	0	0	0	0	7	0
Ohio	1,368	0	186	1,554	44	78	894	1,015	2,570	40
Oklahoma	400	0	48	448	84	32	217	333	780	43
Oregon	469	0	0	469	12	53	371	436	905	48
Pennsylvania	1,758	3	510	2,272	99	195	1,228	1,522	3,793	40
Puerto Rico	401	0	0	401	1	10	123	134	535	25
Rhode Island	81	#	77	158	60	17	71	148	306	48
South Carolina	611	0	72	683	40	40	266	346	1,029	34
South Dakota	115	0	#	115	67	4	63	135	250	54
Tennessee	715	0	105	820	63	71	466	601	1,420	42
Texas	2,261	1	736	2,998	134	259	1,138	1,532	4,530	34
Utah	253	0	0	253	17	33	183	233	486	48
Vermont	143	0	0	143	4	10	76	90	232	39
Virgin Islands	26	0	0	26	0	*	0	*	*	*
Virginia	916	2	428	1,346	123	128	524	774	2,120	37
Washington	825	#	#	826	18	127	781	926	1,752	53
West Virginia	334	0	0	334	14	12	156	182	516	35
Wisconsin	712	0	105	817	33	64	420	517	1,334	39
Wyoming	63	0	1	63	3	3	46	51	115	45
Nationwide	34,995	30	7,980	43,006	2,577	3,992	25,681	32,249	75,255	43

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

Table 11
Business End-User Switched Access Lines and VoIP Subscriptions by State as of December 31, 2013
(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	395	0	11	406	270	17	68	355	761	47%
Alaska	116	0	#	116	*	1	1	*	*	*
American Samoa	4	0	0	4	0	0	0	0	4	0
Arizona	473	0	1	474	286	62	315	663	1,137	58
Arkansas	265	0	6	270	93	9	38	141	411	34
California	4,626	0	170	4,796	1,603	389	1,046	3,038	7,833	39
Colorado	440	0	0	440	305	62	170	537	977	55
Connecticut	403	0	22	425	144	29	77	251	676	37
Delaware	100	0	3	103	49	8	12	69	172	40
District of Columbia	379	0	8	387	252	20	67	339	726	47
Florida	1,661	#	76	1,737	1,327	172	318	1,818	3,555	51
Georgia	951	0	47	998	757	75	157	989	1,986	50
Guam	13	0	0	13	*	0	*	*	*	*
Hawaii	189	1	11	201	31	3	11	45	246	18
Idaho	139	0	0	139	51	10	31	93	232	40
Illinois	1,468	0	77	1,545	505	109	213	826	2,371	35
Indiana	628	0	14	642	166	34	76	275	917	30
Iowa	273	#	#	273	99	9	82	190	463	41
Kansas	245	#	7	252	122	17	83	222	474	47
Kentucky	392	0	25	417	167	13	43	224	641	35
Louisiana	428	0	14	442	195	20	109	324	765	42
Maine	110	0	#	110	129	6	16	151	261	58
Maryland	792	0	25	817	290	62	149	502	1,319	38
Massachusetts	708	0	15	723	465	70	76	611	1,334	46
Michigan	906	0	41	947	281	56	131	468	1,414	33
Minnesota	408	#	2	411	391	32	353	776	1,187	65
Mississippi	257	#	7	265	59	10	22	91	355	25
Missouri	571	0	30	601	198	21	86	306	907	34
Montana	97	0	0	97	25	3	23	51	148	34
Nebraska	183	0	0	183	110	12	68	190	373	51
Nevada	251	0	3	254	112	26	95	232	486	48
New Hampshire	101	0	1	102	86	15	16	117	219	54
New Jersey	951	0	33	983	544	81	244	869	1,853	47
New Mexico	175	0	0	175	55	10	31	96	271	35
New York	1,838	0	61	1,899	1,309	163	657	2,129	4,028	53
North Carolina	875	0	17	892	744	49	151	944	1,836	51
North Dakota	70	0	0	70	43	2	34	79	149	53
Northern Mariana Isl.	8	0	0	8	0	0	0	0	8	0
Ohio	1,095	0	36	1,132	397	58	168	623	1,755	36
Oklahoma	324	0	8	331	124	26	101	251	583	43
Oregon	283	0	0	283	193	37	67	297	581	51
Pennsylvania	1,213	0	34	1,247	1,261	100	169	1,529	2,776	55
Puerto Rico	142	0	0	142	93	9	26	128	271	47
Rhode Island	70	0	1	71	73	12	37	121	193	63
South Carolina	393	0	14	407	255	36	70	362	769	47
South Dakota	72	0	#	72	63	1	9	73	145	50
Tennessee	503	0	25	528	549	36	94	679	1,207	56
Texas	2,475	0	136	2,612	968	156	377	1,500	4,112	36
Utah	194	0	0	194	148	38	156	343	536	64
Vermont	69	0	#	70	35	4	5	44	113	39
Virgin Islands	17	0	0	17	0	*	0	*	*	*
Virginia	872	#	30	901	583	92	274	948	1,850	51
Washington	541	#	#	541	305	59	120	484	1,025	47
West Virginia	187	0	0	187	80	6	20	106	293	36
Wisconsin	631	#	24	655	213	21	79	313	968	32
Wyoming	70	0	0	70	13	3	18	34	104	33
Nationwide	31,041	1	1,035	32,077	16,668	2,372	6,862	25,902	57,978	45

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

Table 12
Non-ILEC Share of Total End-User Switched Access Lines and VoIP Subscriptions by State[1]

State	2009		2010		2011		2012		2013	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	21 %	24 %	28 %	30 %	31 %	32 %	34 %	36 %	38 %	40 %
Alaska	*	*	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0	0
Arizona	40	42	44	46	46	48	49	51	54	56
Arkansas	19	20	22	22	24	24	26	27	28	29
California	23	25	27	28	30	32	34	36	38	39
Colorado	32	34	36	39	40	42	45	47	49	51
Connecticut	31	33	35	37	39	41	43	44	46	47
Delaware	31	32	34	35	37	38	39	40	42	44
District of Columbia	20	21	31	32	34	35	37	39	41	46
Florida	28	31	36	39	40	42	44	46	47	50
Georgia	26	27	31	33	34	36	38	40	43	45
Guam	*	*	*	*	*	*	*	*	*	*
Hawaii	19	21	22	24	24	26	28	26	27	26
Idaho	18	19	25	28	26	27	30	31	33	34
Illinois	24	25	27	30	32	33	35	37	39	41
Indiana	19	20	23	25	27	28	30	32	34	36
Iowa	22	24	26	27	28	29	30	32	33	34
Kansas	31	32	34	36	37	38	40	41	42	44
Kentucky	27	28	29	33	32	35	31	32	34	34
Louisiana	25	27	30	32	33	34	37	37	38	40
Maine	33	36	38	39	40	42	42	45	46	47
Maryland	26	27	28	30	31	32	35	36	36	37
Massachusetts	40	42	44	49	52	53	55	53	51	52
Michigan	30	33	34	36	38	39	41	42	44	46
Minnesota	32	34	36	37	38	43	43	45	47	52
Mississippi	17	20	23	25	22	23	25	25	26	27
Missouri	18	20	22	23	24	25	26	27	29	30
Montana	22	23	24	26	29	31	33	35	36	35
Nebraska	35	38	39	42	42	42	43	44	46	47
Nevada	31	33	36	39	40	42	43	44	46	48
New Hampshire	45	49	51	54	55	56	57	59	60	60
New Jersey	36	38	40	46	47	49	50	51	50	51
New Mexico	15	17	19	21	22	24	26	27	29	31
New York	42	44	46	49	50	51	52	52	52	52
North Carolina	25	27	33	35	36	37	39	41	43	44
North Dakota	31	35	36	38	37	38	38	38	38	40
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0	0
Ohio	26	28	29	31	32	33	34	36	36	38
Oklahoma	30	34	35	38	39	40	41	41	42	43
Oregon	32	34	36	39	41	42	44	46	48	49
Pennsylvania	30	32	35	38	40	41	42	43	44	46
Puerto Rico	25	22	26	25	25	25	27	29	31	33
Rhode Island	53	54	54	58	60	59	59	57	53	54
South Carolina	24	26	30	32	32	33	35	36	38	39
South Dakota	36	44	45	47	48	50	51	52	52	53
Tennessee	25	28	33	36	37	39	41	44	46	49
Texas	22	23	24	25	27	28	30	32	34	35
Utah	32	34	36	38	39	44	46	50	52	56
Vermont	23	27	29	31	34	35	36	37	38	39
Virgin Islands	0	*	*	*	*	*	*	*	*	*
Virginia	32	34	33	35	36	37	38	40	41	43
Washington	32	35	37	40	42	44	46	47	49	51
West Virginia	24	27	29	30	31	32	33	34	35	36
Wisconsin	26	27	27	30	31	32	33	35	36	36
Wyoming	21	22	24	26	29	33	36	37	39	39
Nationwide	28 %	30 %	32 %	35 %	36 %	38 %	39 %	41 %	42 %	44 %

* = Data withheld to maintain firm confidentiality. NA = Not available. Some previously published data have been revised.

[1] See footnote 1, Table 1.

Table 13
Non-ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State[1]
(In Thousands)

State	2009		2010		2011		2012		2013	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	453	494	594	622	620	634	646	675	696	722
Alaska	*	*	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0	0
Arizona	1,173	1,193	1,236	1,244	1,203	1,228	1,251	1,289	1,326	1,380
Arkansas	224	230	248	250	257	253	262	267	270	274
California	4,764	4,857	5,166	5,342	5,515	5,655	5,980	6,225	6,323	6,440
Colorado	825	837	884	929	944	967	1,019	1,075	1,101	1,129
Connecticut	644	680	706	751	782	799	830	846	858	876
Delaware	166	165	173	174	177	179	183	184	194	199
District of Columbia	180	190	300	314	337	343	347	364	371	410
Florida	2,737	2,907	3,525	3,729	3,690	3,848	3,957	4,079	4,059	4,306
Georgia	1,133	1,173	1,370	1,410	1,427	1,496	1,585	1,668	1,761	1,870
Guam	*	*	*	*	*	*	*	*	*	*
Hawaii	117	125	128	138	137	147	154	143	144	135
Idaho	117	123	159	177	149	150	166	168	170	173
Illinois	1,614	1,634	1,658	1,826	1,899	1,909	2,022	2,043	2,116	2,153
Indiana	562	592	647	691	719	750	767	779	814	838
Iowa	310	322	344	354	360	363	373	376	378	385
Kansas	413	408	429	436	440	437	445	440	447	452
Kentucky	508	521	546	621	591	636	528	513	551	547
Louisiana	507	539	602	642	640	635	702	671	681	695
Maine	250	274	282	283	285	293	295	300	300	305
Maryland	891	911	912	961	981	1,015	1,109	1,134	1,079	1,118
Massachusetts	1,592	1,643	1,695	1,967	2,198	2,169	2,311	2,007	1,786	1,814
Michigan	1,451	1,501	1,518	1,576	1,580	1,586	1,625	1,614	1,672	1,695
Minnesota	864	905	927	942	956	1,107	1,068	1,109	1,158	1,326
Mississippi	184	214	252	267	227	227	235	229	233	235
Missouri	518	553	598	611	606	611	631	633	653	654
Montana	103	104	109	117	127	137	147	151	156	141
Nebraska	302	332	330	359	348	342	350	353	362	368
Nevada	411	416	451	476	471	493	508	516	521	544
New Hampshire	351	376	388	395	397	396	405	398	393	396
New Jersey	1,986	2,004	2,104	2,464	2,530	2,574	2,635	2,615	2,432	2,457
New Mexico	128	138	157	168	171	177	189	196	201	209
New York	4,578	4,710	4,807	5,295	5,222	5,212	5,322	5,319	5,043	5,014
North Carolina	1,137	1,200	1,480	1,557	1,535	1,589	1,648	1,718	1,774	1,819
North Dakota	104	123	126	129	124	124	123	122	119	126
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0	0
Ohio	1,450	1,492	1,550	1,615	1,563	1,589	1,614	1,656	1,604	1,639
Oklahoma	504	570	572	621	619	617	628	606	580	584
Oregon	563	582	615	631	650	659	696	706	719	734
Pennsylvania	2,176	2,201	2,422	2,650	2,759	2,787	2,854	2,909	2,891	3,051
Puerto Rico	234	170	244	231	228	224	226	238	250	263
Rhode Island	311	311	308	353	383	360	357	313	270	269
South Carolina	497	535	622	645	623	640	659	670	691	708
South Dakota	136	183	188	193	199	209	211	212	212	208
Tennessee	726	791	966	1,020	1,051	1,084	1,126	1,170	1,229	1,280
Texas	2,358	2,372	2,452	2,498	2,556	2,586	2,754	2,843	2,961	3,032
Utah	342	353	362	371	375	427	445	493	512	575
Vermont	91	102	110	116	126	129	129	130	132	133
Virgin Islands	#	*	*	*	*	*	*	*	*	*
Virginia	1,476	1,565	1,463	1,497	1,523	1,527	1,552	1,599	1,655	1,722
Washington	1,025	1,095	1,162	1,221	1,229	1,257	1,334	1,349	1,382	1,410
West Virginia	214	235	248	269	270	280	288	290	283	288
Wisconsin	755	771	728	791	794	804	819	847	844	830
Wyoming	53	54	58	62	68	79	87	86	88	85
Total	44,351	45,927	49,077	52,155	52,820	53,892	55,744	56,481	56,587	58,151

= Rounds to zero. * = Data withheld to maintain firm confidentiality. Some previously published data have been revised.

[1] See footnote 1, Table 1.

Table 14
ILEC Total End-User Switched Access Lines and VoIP Subscriptions by State[1]
(In Thousands)

State	2009		2010		2011		2012		2013	
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	1,665	1,579	1,506	1,438	1,386	1,322	1,263	1,201	1,136	1,076
Alaska	282	273	271	260	257	247	243	228	224	216
American Samoa	10	10	10	10	9	9	9	9	9	8
Arizona	1,741	1,649	1,563	1,476	1,409	1,343	1,279	1,224	1,149	1,090
Arkansas	982	941	904	865	827	789	756	725	694	664
California	15,555	14,796	14,118	13,455	12,786	12,197	11,614	11,067	10,513	10,007
Colorado	1,758	1,656	1,569	1,473	1,409	1,329	1,270	1,207	1,137	1,085
Connecticut	1,463	1,389	1,326	1,268	1,214	1,165	1,111	1,060	1,018	971
Delaware	363	344	331	317	307	297	288	279	273	256
District of Columbia	714	697	680	679	644	627	595	561	530	486
Florida	6,918	6,491	6,138	5,798	5,508	5,259	4,992	4,743	4,495	4,291
Georgia	3,304	3,156	3,011	2,881	2,779	2,659	2,561	2,455	2,346	2,253
Guam	51	49	48	48	45	42	40	40	38	69
Hawaii	489	473	455	444	431	419	406	397	387	389
Idaho	550	514	486	455	433	404	395	375	351	334
Illinois	5,086	4,812	4,581	4,313	4,078	3,852	3,705	3,507	3,324	3,145
Indiana	2,434	2,300	2,186	2,064	1,945	1,894	1,780	1,677	1,597	1,514
Iowa	1,077	1,024	987	940	917	882	850	817	782	746
Kansas	899	858	820	774	737	700	669	638	610	579
Kentucky	1,387	1,352	1,317	1,272	1,238	1,195	1,155	1,111	1,076	1,052
Louisiana	1,561	1,489	1,426	1,369	1,318	1,255	1,205	1,147	1,094	1,041
Maine	519	482	463	438	428	407	401	367	353	348
Maryland	2,520	2,403	2,333	2,262	2,193	2,128	2,062	1,993	1,942	1,872
Massachusetts	2,369	2,238	2,149	2,065	1,991	1,926	1,858	1,797	1,735	1,652
Michigan	3,323	3,113	2,952	2,757	2,619	2,513	2,382	2,240	2,124	2,006
Minnesota	1,826	1,725	1,666	1,583	1,537	1,468	1,419	1,350	1,284	1,221
Mississippi	922	879	848	813	783	752	723	690	655	623
Missouri	2,367	2,259	2,162	2,055	1,961	1,866	1,788	1,711	1,620	1,539
Montana	371	351	342	327	318	302	295	282	272	260
Nebraska	564	543	521	501	489	474	460	443	421	409
Nevada	911	856	809	759	719	691	673	646	617	593
New Hampshire	435	385	366	342	326	312	304	279	263	267
New Jersey	3,519	3,288	3,112	2,937	2,807	2,700	2,587	2,496	2,423	2,323
New Mexico	713	682	651	618	595	569	546	522	493	469
New York	6,234	5,900	5,653	5,416	5,258	5,099	4,943	4,823	4,722	4,553
North Carolina	3,335	3,189	3,045	2,886	2,779	2,691	2,584	2,474	2,374	2,284
North Dakota	233	224	220	213	210	206	204	201	198	191
Northern Mariana Isl.	17	16	16	16	15	15	15	15	15	15
Ohio	4,124	3,914	3,719	3,515	3,342	3,172	3,100	2,957	2,819	2,686
Oklahoma	1,169	1,117	1,070	1,022	981	939	907	869	816	779
Oregon	1,210	1,140	1,080	1,003	949	895	880	833	792	752
Pennsylvania	5,029	4,771	4,571	4,387	4,217	4,055	3,894	3,796	3,672	3,519
Puerto Rico	698	610	706	707	689	655	625	583	560	543
Rhode Island	281	270	264	260	255	252	245	240	237	230
South Carolina	1,561	1,488	1,429	1,368	1,330	1,284	1,236	1,183	1,136	1,090
South Dakota	244	233	227	217	212	205	202	197	192	187
Tennessee	2,170	2,061	1,962	1,846	1,774	1,681	1,599	1,512	1,421	1,348
Texas	8,307	7,999	7,678	7,360	7,046	6,725	6,431	6,159	5,877	5,610
Utah	725	690	657	614	586	554	529	502	472	447
Vermont	299	280	265	253	245	237	234	218	211	212
Virgin Islands	59	57	59	58	56	53	49	49	45	43
Virginia	3,160	3,050	2,944	2,811	2,705	2,633	2,518	2,432	2,352	2,247
Washington	2,211	2,071	1,962	1,815	1,722	1,621	1,572	1,492	1,438	1,367
West Virginia	677	637	606	628	603	588	580	559	537	521
Wisconsin	2,156	2,051	1,970	1,874	1,807	1,715	1,665	1,589	1,528	1,471
Wyoming	200	190	183	175	168	160	153	146	140	134
Total	112,748	107,018	102,395	97,497	93,394	89,427	85,848	82,114	78,537	75,082

[1] See footnote 1, Table 1.

Table 15
Non-ILEC Methods of Providing Wireline Telephone Services by State
as of December 31, 2013
(In Thousands)

State	Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP Subscriptions[1]	Total
Alabama	107	138	88	390	722
Alaska	*	*	*	*	*
American Samoa	0	0	0	0	0
Arizona	149	68	273	891	1,380
Arkansas	23	18	62	170	274
California	1,054	473	420	4,494	6,440
Colorado	136	126	56	811	1,129
Connecticut	53	46	77	700	876
Delaware	35	16	1	147	199
District of Columbia	225	16	21	148	410
Florida	713	482	167	2,944	4,306
Georgia	310	374	133	1,053	1,870
Guam	*	*	*	*	*
Hawaii	*	*	16	104	135
Idaho	18	22	31	103	173
Illinois	258	179	113	1,603	2,153
Indiana	65	55	80	638	838
Iowa	45	33	80	227	385
Kansas	37	31	117	267	452
Kentucky	101	59	47	340	547
Louisiana	83	89	79	443	695
Maine	26	52	62	165	305
Maryland	222	106	18	773	1,118
Massachusetts	283	164	61	1,307	1,814
Michigan	98	192	45	1,360	1,695
Minnesota	130	188	159	849	1,326
Mississippi	34	31	7	163	235
Missouri	65	103	51	434	654
Montana	7	8	22	104	141
Nebraska	71	9	102	187	368
Nevada	64	28	20	431	544
New Hampshire	35	39	13	308	396
New Jersey	373	127	89	1,870	2,457
New Mexico	30	11	21	147	209
New York	709	351	384	3,570	5,014
North Carolina	336	296	132	1,055	1,819
North Dakota	4	11	65	45	126
Northern Mariana Isl.	0	0	0	0	0
Ohio	153	147	140	1,198	1,639
Oklahoma	60	43	104	377	584
Oregon	53	104	49	528	734
Pennsylvania	749	352	259	1,691	3,051
Puerto Rico	*	33	*	169	263
Rhode Island	34	15	84	137	269
South Carolina	103	97	96	413	708
South Dakota	8	6	115	78	208
Tennessee	232	233	147	668	1,280
Texas	384	380	337	1,930	3,032
Utah	53	54	58	410	575
Vermont	7	17	15	95	133
Virgin Islands	*	*	*	*	*
Virginia	356	141	208	1,017	1,722
Washington	112	146	65	1,087	1,410
West Virginia	36	52	5	194	288
Wisconsin	45	151	50	585	830
Wyoming	5	6	5	70	85
Total	7,982	6,320	5,023	37,257	56,587

* = Data withheld to maintain firm confidentiality. Figures may not sum to totals due to rounding.

[1] See footnote 1, Table 1.

Table 16
Percentage of End-User Switched Access Lines and VoIP Subscriptions Provided to Residential Customers by State as of December 31, 2013

State	ILECs	Non-ILECs	Total
Alabama	62%	51%	58%
Alaska	46	*	*
American Samoa	50	NA	50
Arizona	57	52	54
Arkansas	59	49	56
California	52	53	52
Colorado	59	52	56
Connecticut	56	71	63
Delaware	60	65	62
District of Columbia	20	17	19
Florida	59	58	59
Georgia	56	47	52
Guam	81	*	*
Hawaii	49	67	53
Idaho	58	46	54
Illinois	51	62	55
Indiana	58	67	61
Iowa	63	51	59
Kansas	56	51	54
Kentucky	60	59	60
Louisiana	58	53	56
Maine	68	50	60
Maryland	56	55	56
Massachusetts	56	66	62
Michigan	53	72	62
Minnesota	66	41	53
Mississippi	58	61	59
Missouri	61	53	59
Montana	63	64	63
Nebraska	55	49	52
Nevada	57	57	57
New Hampshire	62	70	67
New Jersey	58	65	61
New Mexico	62	54	60
New York	58	58	58
North Carolina	61	48	55
North Dakota	63	37	53
Northern Mariana Isl.	47	NA	47
Ohio	58	62	59
Oklahoma	58	57	57
Oregon	62	59	61
Pennsylvania	65	50	58
Puerto Rico	74	51	66
Rhode Island	69	55	61
South Carolina	63	49	57
South Dakota	61	65	63
Tennessee	61	47	54
Texas	53	51	52
Utah	57	41	48
Vermont	67	68	67
Virgin Islands	60	*	*
Virginia	60	45	53
Washington	60	66	63
West Virginia	64	63	64
Wisconsin	56	62	58
Wyoming	47	60	53
Nationwide	57	55	56

* = Data withheld to maintain firm confidentiality. NA = Not applicable.

Table 17
Number of Reporting ILECs, Non-ILECs, and VoIP Providers by State
as of December 31, 2013

State	ILECs	Non-ILECs	Total[1]	VoIP Providers[2]
Alabama	20	142	155	121
Alaska	17	38	54	36
American Samoa	1	0	1	0
Arizona	15	140	151	125
Arkansas	20	101	117	83
California	17	210	223	177
Colorado	26	168	189	145
Connecticut	2	123	123	108
Delaware	1	91	92	80
District of Columbia	1	105	106	88
Florida	13	234	241	195
Georgia	27	193	210	162
Guam	1	5	6	4
Hawaii	2	52	54	49
Idaho	17	103	114	90
Illinois	44	204	236	165
Indiana	29	150	170	120
Iowa	134	138	243	96
Kansas	38	134	159	110
Kentucky	17	145	153	116
Louisiana	10	129	133	109
Maine	7	82	86	69
Maryland	2	164	164	138
Massachusetts	4	144	145	125
Michigan	26	158	175	128
Minnesota	47	149	180	116
Mississippi	13	111	118	92
Missouri	31	139	162	116
Montana	17	80	91	66
Nebraska	29	102	124	80
Nevada	12	115	125	106
New Hampshire	6	105	111	92
New Jersey	3	173	173	148
New Mexico	16	102	111	82
New York	25	193	206	159
North Carolina	19	167	177	142
North Dakota	23	83	99	65
Northern Mariana Isl	1	0	1	0
Ohio	33	165	189	134
Oklahoma	38	119	152	100
Oregon	23	133	152	108
Pennsylvania	21	185	197	154
Puerto Rico	1	17	17	16
Rhode Island	1	88	89	72
South Carolina	17	143	149	116
South Dakota	29	75	96	59
Tennessee	18	150	163	124
Texas	52	240	274	182
Utah	13	111	121	94
Vermont	7	76	82	64
Virgin Islands	1	1	2	1
Virginia	15	156	165	136
Washington	16	153	165	131
West Virginia	6	101	104	88
Wisconsin	40	145	169	114
Wyoming	9	87	91	74
Nationwide	754	969	1,500	668

[1] Providers 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 and once in the Total column for that state. Either type of operations might report interconnected VoIP subscribers.

[2] The providers reporting interconnected VoIP subscribers in a state are a subset of the ILECs and non-ILECs in that state.

Table 18
Mobile Telephone Facilities-based Carriers and Mobile Telephony Subscribers

State	Dec 2013		Subscribers (In Thousands)							
	Carriers	% Resold [1]	2010		2011		2012		2013	
			Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Alabama	8	17 %	4,211	4,328	4,350	4,486	4,545	4,549	4,504	4,555
Alaska	12	6	590	608	619	634	642	649	657	660
American Samoa	*	*	*	*	*	*	*	*	*	*
Arizona	6	13	5,268	5,285	5,402	5,532	5,685	5,774	5,869	6,007
Arkansas	5	21	2,485	2,673	2,773	3,157	3,185	2,963	2,892	2,852
California	7	5	33,548	33,839	34,299	34,844	35,103	35,616	35,791	36,446
Colorado	12	10	4,647	4,687	4,705	4,767	4,817	4,878	4,945	5,062
Connecticut	4	9	3,192	3,230	3,305	3,353	3,379	3,418	3,425	3,499
Delaware	5	10	859	851	881	892	899	903	907	897
District of Columbia	5	9	1,227	1,249	1,273	1,348	1,376	1,400	1,367	1,381
Florida	6	11	16,895	17,251	17,613	17,893	18,135	18,369	18,514	18,985
Georgia	7	16	8,869	9,063	9,137	9,648	10,051	10,054	9,911	9,959
Guam	4	1	*	*	139	*	154	153	147	144
Hawaii	6	7	1,248	1,252	1,274	1,295	1,313	1,339	1,346	1,389
Idaho	9	9	1,269	1,277	1,293	1,321	1,346	1,363	1,378	1,402
Illinois	10	13	11,604	12,057	12,259	12,698	12,898	12,859	12,751	12,835
Indiana	9	14	5,289	5,410	5,496	5,573	5,670	5,786	5,836	5,946
Iowa	63	9	2,466	2,535	2,559	2,655	2,714	2,777	2,770	2,782
Kansas	11	19	2,491	2,560	2,570	2,651	2,686	2,696	2,763	2,840
Kentucky	9	16	3,654	3,726	3,754	3,812	3,879	3,976	3,951	4,041
Louisiana	9	16	3,953	4,340	4,876	5,413	5,336	4,898	4,714	4,755
Maine	5	24	1,040	1,124	1,090	1,176	1,192	1,204	1,207	1,202
Maryland	7	11	5,500	5,560	5,665	6,024	6,146	6,116	5,869	5,857
Massachusetts	4	10	6,367	6,316	6,419	6,522	6,626	6,703	6,757	6,928
Michigan	7	16	8,690	8,861	9,391	9,239	9,292	9,598	9,747	10,109
Minnesota	7	14	4,611	4,704	4,782	4,934	5,063	5,154	5,248	5,286
Mississippi	7	14	2,322	2,440	2,516	2,656	2,718	2,656	2,642	2,685
Missouri	9	14	5,141	5,309	5,458	5,629	5,708	5,668	5,653	5,748
Montana	8	17	783	846	803	862	880	888	897	903
Nebraska	8	11	1,566	1,523	1,542	1,647	1,668	1,675	1,708	1,738
Nevada	7	15	2,417	2,453	2,490	2,559	2,595	2,611	2,650	2,716
New Hampshire	5	14	1,141	1,170	1,171	1,204	1,212	1,225	1,221	1,211
New Jersey	5	7	8,624	8,601	8,786	8,916	8,933	9,015	8,953	8,732
New Mexico	8	9	1,668	1,689	1,662	1,690	1,716	1,737	1,756	1,804
New York	6	14	19,303	19,504	19,938	20,202	20,387	20,715	20,810	21,444
North Carolina	9	14	8,259	8,526	8,513	9,106	9,206	8,985	8,926	9,021
North Dakota	6	13	590	623	615	640	666	683	689	702
Northern Mariana Isl.	*	*	*	*	*	*	*	*	*	*
Ohio	8	13	10,236	10,511	10,936	11,122	11,381	11,549	11,798	12,198
Oklahoma	14	16	3,109	3,188	3,259	3,432	3,593	3,940	3,889	3,676
Oregon	7	9	3,297	3,340	3,355	3,423	3,456	3,519	3,545	3,601
Pennsylvania	12	14	11,070	11,424	11,401	11,581	11,704	11,956	12,083	12,318
Puerto Rico	5	12	2,879	3,014	3,004	2,989	2,969	3,047	3,073	3,088
Rhode Island	4	15	906	920	935	957	999	1,032	1,009	977
South Carolina	9	20	3,848	3,935	3,987	3,782	3,901	4,325	4,438	4,447
South Dakota	7	14	681	728	690	724	741	750	750	756
Tennessee	9	14	6,041	6,193	6,236	6,375	6,445	6,484	6,436	6,596
Texas	15	9	22,201	23,030	23,482	23,751	24,102	24,553	24,895	25,481
Utah	9	7	2,220	2,251	2,276	2,328	2,368	2,409	2,432	2,489
Vermont	5	18	431	485	471	507	519	518	522	521
Virgin Islands	*	*	*	*	117	117	*	*	*	*
Virginia	8	11	7,440	7,595	7,622	7,777	7,839	7,900	7,905	7,966
Washington	8	10	5,965	6,022	6,118	6,250	6,314	6,424	6,433	6,547
West Virginia	7	20	1,406	1,500	1,506	1,650	1,671	1,598	1,556	1,536
Wisconsin	11	13	4,599	4,730	4,895	4,931	4,945	5,037	5,070	5,229
Wyoming	10	13	501	526	514	532	541	545	547	551
Nationwide	160	12 %	278,918	285,118	290,318	297,404	301,516	304,838	305,742	310,698

* = Data withheld to maintain firm confidentiality.

[1] Percentage of mobile telephony subscribers purchasing their service subscriptions from a mobile wireless reseller.

Technical Notes

General

Detailed information about FCC Form 477 reporting requirements for data as of December 31, 2013 is available at http://transition.fcc.gov/form477/,

See Glossary for definitions of terms used in this report.

Counting lines and subscribers

- 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. All VoIP subscriptions discussed in this report are interconnected VoIP subscriptions.

- Form 477 data may not count all VoIP phone connections to Internet Protocol Private Branch Exchange (IP PBX) equipment that is owned by business end users because of the variety of ways the IP PBX may connect to the public switched telephone network.

Holding company-subsidiary relationships

- When counting service providers who have any retail customers in a particular geography, 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.

ILEC-CLEC affiliations

- Lines from CLECs who have ILEC affiliates are handled at the state level in one of several ways. We place the lines into the non-ILEC category if the affiliate is an ILEC other than AT&T or Verizon. Lines from CLEC affiliates of AT&T and Verizon are allocated between the ILEC and non-ILEC categories based on staff estimates if the CLEC operates in the AT&T or Verizon ILEC service area in the state, respectively.

Glossary

Term	Definition
Broadband bundle	The purchase, from the same or affiliated retailers, of interconnected VoIP service and broadband Internet access service, either for a single price or for separate prices.
Cable modem service	A service which offers customers access to the Internet over a cable system at broadband speeds.
Circuit switching	A method of completing electronic communications in which a transmission path is established for dedicated use by a communication; the basis of the public switched telephone network (PSTN).
CLEC	Competitive Local Exchange Carrier: A new LEC that operates within the service area of an ILEC.
DSL	Digital Subscriber Line: A digital local loop, typically using copper facilities, that frequently is used to offer customers access to the Internet at broadband speeds.
End users	Residential, business, institutional, or government entities that use services for their own purposes and who do not resell such services to other entities.
Fixed wireless service	A radio communication service between specified fixed points.
FTTP or FTTH	Fiber to the Premises (Home): A network access architecture in which optical fiber is deployed all the way to the customer's premises (home).
Internet access service	Service that provides end users access to the Internet.
ILEC	Incumbent Local Exchange Carrier: A company or cooperative that was providing telephone service in a localized area, typically on a monopoly basis, prior to enactment of the Telecommunications Act of 1996.
Internet protocol or IP	A language and set of formal rules that govern how packets transit the Internet.
Interconnected VoIP or iVoIP	A service that enables real-time, two-way voice communications; requires a broadband connection from the user's location; requires Internet-protocol compatible customer premises equipment; and permits users generally to receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network.
LEC	Local Exchange Carrier: A company that provides telephone service within a localized area and access services that connect its customers to long-distance (Interexchange Carrier) networks.
Local loop	The physical connection between the customer's premises and the telephone company's local switching office, typically provided using copper, fiber, or a combination of copper and fiber facilities.
Mobile wireless service	A radio communication service between mobile and fixed stations, or between mobile stations.
Nomadic interconnected VoIP	A service whose terms allow use over any broadband connection available to the subscriber (such as at a hotel or vacation residence); by contrast, a non-nomadic service subscription must be used over a single predetermined broadband connection.

Non-ILEC	Any provider of communications services who does not have ILEC regulatory status.
Other ILEC	An ILEC who is not an RBOC.
Other wireline	All copper-wire based transmission technologies other than DSL technologies; Ethernet over copper and T-1 are examples.
OTT	Over-the-top: Interconnected VoIP service provided by entities that neither own nor operate telecommunications facilities.
Packet switching	A method of completing electronic communications in which the information is disassembled into discrete packets that are transmitted independently and later reassembled; IP is an example.
PBX	Private Branch Exchange: A telephone switch that is owned or leased by the telephone company's customer and generally located on the customer's premises.
Retail local telephone service	Retail switched access lines and interconnected VoIP subscriptions.
Retail switched access lines	Switched access lines for which an end user is the customer.
Standalone interconnected VoIP	The purchase of interconnected VoIP service without the purchase of broadband Internet access service from the same retailer, or from an affiliated retailer.
Special access circuit	A dedicated, non-switched circuit (connection or line) provided by an ILEC, commonly used to connect an end user to another communications service provider; also frequently used by wireless service providers to connect cell towers to mobile switching centers (MSCs).
Switched access line	A service connection between an end user and the local telephone company's switch; the basis of plain old telephone service (POTS).
Total ILEC lines	The sum of ILEC-reported retail switched access lines, interconnected VoIP subscriptions, wholesale switched access lines, and UNEs provided to CLECs.
UNE	Unbundled Network Element: A physical or functional element of an ILEC network that must be provided to a CLEC at a cost-based price, as provide for in the Telecommunications Act of 1996.
UNE-L	UNE-Loop: An ILEC unbundled local loop provided to a CLEC at a cost-base price.
UNE-P	UNE-Platform: The combination of ILEC unbundled local loop, switching, and transport, provided to a CLEC at cost-based prices.
Wholesale switched access lines	Local telephone service provided to an unaffiliated telephone company, which resells the service to end users; typically provided by an ILEC to a CLEC.

Customer Response

Publication: *Local Telephone Competition: Status as of December 31, 2013*

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	(_)	(_)	(_)	(_)	(_)
Data presentation	(_)	(_)	(_)	(_)	(_)
Timeliness of data	(_)	(_)	(_)	(_)	(_)
Completeness of data	(_)	(_)	(_)	(_)	(_)
Text clarity	(_)	(_)	(_)	(_)	(_)
Completeness of text	(_)	(_)	(_)	(_)	(_)

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