

Local Telephone Competition: Status as of June 30, 2012

Industry Analysis and Technology Division
Wireline Competition Bureau
June 2013



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	33
Glossary	35

FIGURES

1. Retail Local Telephone Service Connections, 2009 - 2012	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
19. Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers.....	30
20. Percentage of Households in ZIP Codes with CLECs or Non-ILEC VoIP Providers	30
21. Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers by State	31

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

MAP

Reporting Non-ILEC Interconnected VoIP Providers and CLECs by 5-Digit Geographical ZIP Code	32
--	----

Local Telephone Competition: Status as of June 30, 2012

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 June 30, 2012. 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 June 2012, there were 102 million end-user switched access lines in service, 39 million interconnected VoIP subscriptions, and 303 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 www.fcc.gov/wcb/iatd/comp.html. 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:

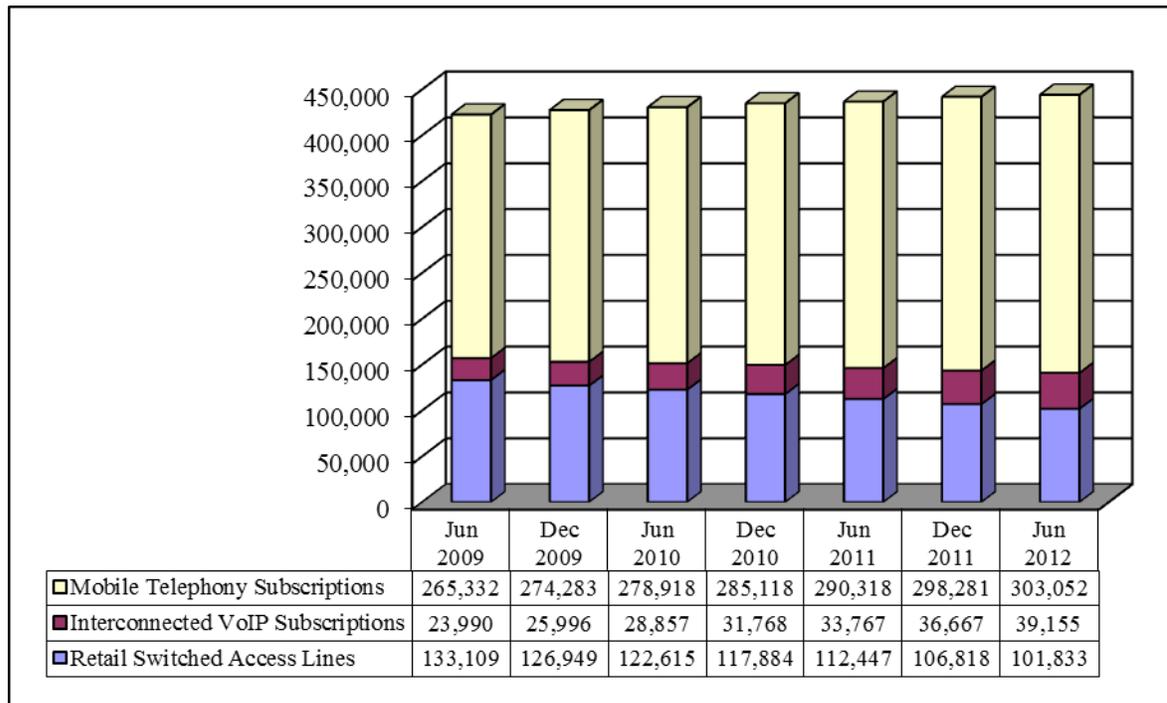
- (1) Enables real-time, two-way voice communications;
- (2) Requires a broadband connection from the user’s location;
- (3) Requires Internet protocol-compatible customer premises equipment (CPE); and
- (4) Permits users generally to receive calls that originate on the public switched telephone network 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 18%, mobile telephony subscriptions increased at a compound annual growth rate of 5%, and retail switched access lines declined at about 9% a year.⁴

Figure 1
Retail Local Telephone Service Connections, 2009 - 2012
(In Thousands)



- Of the 141 million wireline retail local telephone service connections (including both switched access lines and interconnected VoIP subscriptions) in June 2012, 81 million (or 57%) were residential connections and 60 million (or 43%) 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 (June 2012) value by the beginning (June 2009) 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.

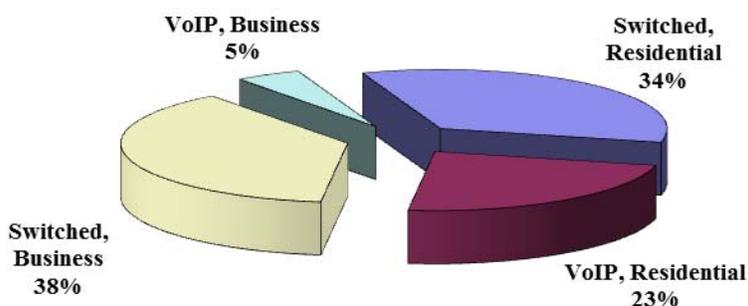
⁵ FCC Form 477 does not distinguish between residential and business subscribers to mobile *telephony* service. The information that Form 477 collects about mobile *broadband* service is summarized elsewhere; see *Internet Access Services: Status as of June 30, 2012*, available at www.fcc.gov/wcb/iatd/comp.html.

- Cross-classified by technology and customer type, the 141 million wireline retail local telephone service connections in June 2012 were: 34% residential switched access lines, 38% business switched access lines, 23% residential interconnected VoIP subscriptions, and 5% business interconnected VoIP subscriptions. See Figure 2.

Figure 2
Wireline Retail Local Telephone Service Connections by Technology and Customer Type as of June 30, 2012 (In Thousands)

	Switched Access Lines	Interconnected VoIP	Total
Residential	48,393	32,592	80,985
Business	53,440	6,564	60,003
Total	101,833	39,155	140,989

Figures may not add to totals due to rounding.



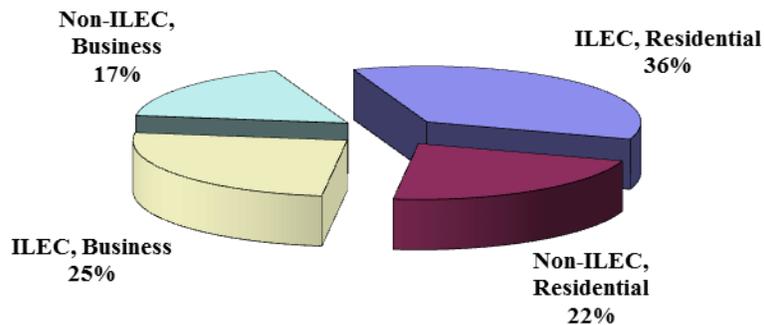
Service providers. The Form 477 program – and this report – distinguishes ILEC operations from all other operations.

- Cross-classified by customer type (residential or business) and the service retailer’s regulatory status (ILEC or non-ILEC), the 141 million wireline retail local telephone service connections in June 2012 were: 36% ILEC residential service, 25% ILEC business service, 22% non-ILEC residential service, and 17% non-ILEC business service. See Figure 3.

Figure 3
Wireline Retail Local Telephone Service Connections by Customer Type and Regulatory Status as of June 30, 2012 (In Thousands)

	Residential	Business	Total
ILEC	50,167	35,683	85,850
Non-ILEC	30,818	24,320	55,138
Total	80,985	60,003	140,989

Figures may not add to totals due to rounding.

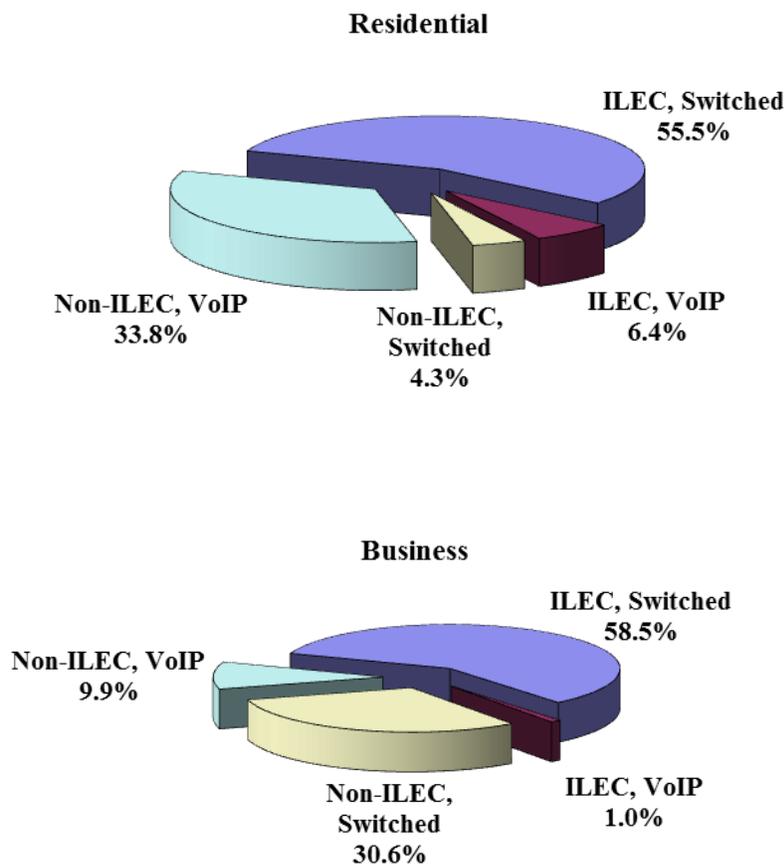


- Additionally cross-classified by technology, the 81 million wireline residential connections in June 2012 were: 55.5% ILEC switched access lines, 33.8% non-ILEC interconnected VoIP subscriptions, 4.3% non-ILEC switched access lines, and 6.4% ILEC interconnected VoIP subscriptions. Similarly, the 60 million wireline business connections were: 58.5% ILEC switched access lines, 30.6% non-ILEC switched access lines, 9.9% non-ILEC interconnected VoIP subscriptions, and 1.0% ILEC interconnected VoIP subscriptions. See Figure 4.

Figure 4
Wireline Retail Local Telephone Service Connections by Technology, Regulatory Status,
and Customer Type as of June 30, 2012 (In Thousands)

Total	Switched Access Lines	Interconnected VoIP	Total
ILEC	80,037	5,813	85,850
Non-ILEC	21,796	33,342	55,138
Total	101,833	39,155	140,989
Residential			
ILEC	44,947	5,220	50,167
Non-ILEC	3,446	27,372	30,818
Residential Total	48,393	32,592	80,985
Business			
ILEC	35,090	594	35,683
Non-ILEC	18,350	5,970	24,320
Business Total	53,440	6,564	60,003

Figures may not add to totals due to rounding.



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

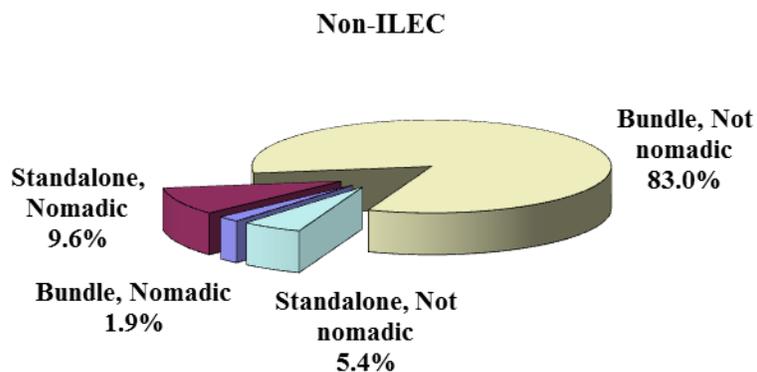
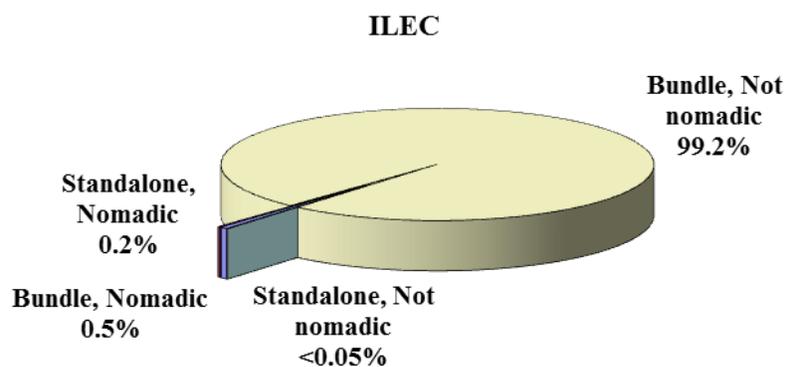
- First, interconnected VoIP service retailers distinguish between the interconnected VoIP subscriptions they sell to their broadband Internet access service customers (“broadband bundle” subscriptions, in this report) and all the other interconnected VoIP subscriptions that they sell (“standalone” subscriptions).
- 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 Subscriberhip by Reported Service Features
as of June 30, 2012 (In Thousands)

Total	Broadband Bundle	Standalone VoIP	Total
Nomadic	678	3,219	3,896
Not nomadic	33,458	1,802	35,259
Total	34,135	5,020	39,157
I L E C			
Nomadic	31	12	43
Not nomadic	5,770	1	5,770
I L E C Total	5,801	13	5,814
Non-I L E C			
Nomadic	647	3,206	3,853
Not nomadic	27,688	1,801	29,489
Non-I L E C Total	28,335	5,008	33,343

Figures may not add to totals due to rounding.

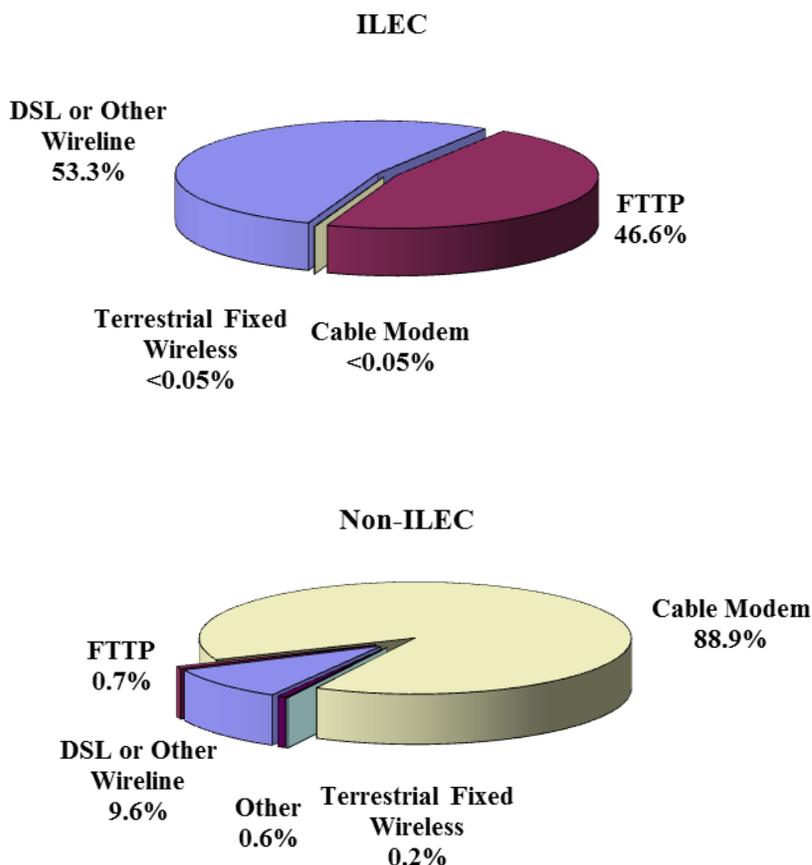


Form 477 collects the third type of information about retail interconnected VoIP service – the technology of the Internet access connection – for broadband bundles but not for standalone interconnected VoIP. See Figure 6.⁶

Figure 6
Technology of Internet Access Connections in Interconnected VoIP
Broadband Bundles as of June 30, 2012 (In Thousands)

Technology	ILEC	Non-ILEC	Total
DSL or Other Wireline	3,095	2,729	5,824
FTTP	2,703	196	2,899
Cable Modem	2	25,184	25,186
Terrestrial Fixed Wireless	#	47	48
Other	0	179	179
Total	5,801	28,335	34,135

= Rounds to zero. Figures may not add to totals due to rounding.



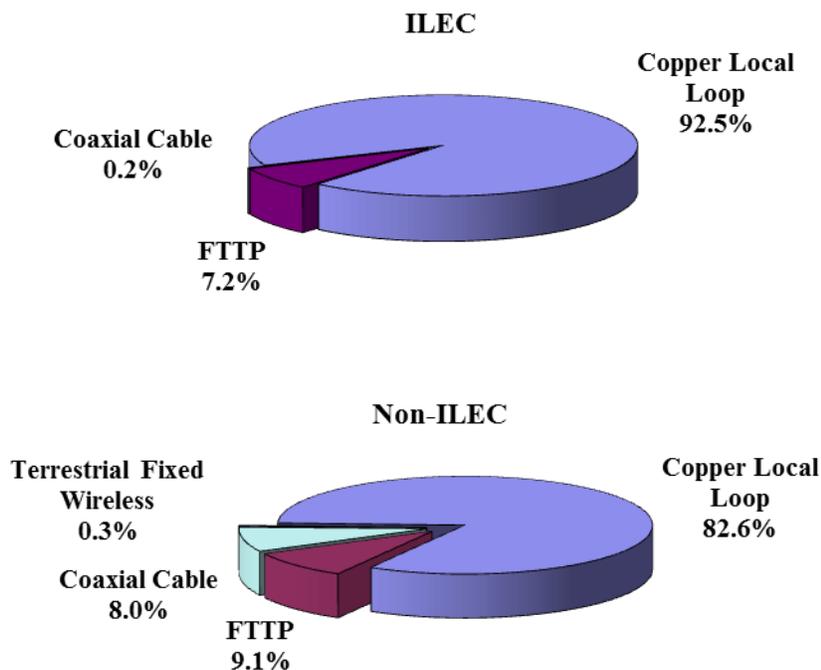
⁶ *Internet Access Services: Status as of June 30, 2012* discusses types of Internet access connections in greater detail. The report is available at www.fcc.gov/wcb/iatd/comp.html.

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 June 30, 2012 (In Thousands)

Technology	ILEC	Non-ILEC	Total
FTTP	5,800	1,982	7,782
Coaxial Cable	173	1,744	1,917
Terrestrial Fixed Wireless	3	63	65
Copper Local Loop	74,061	18,008	92,069
Total	80,037	21,796	101,833

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 22 million retail switched access lines in June 2012. They reported providing 38% of lines (or 8.2 million lines) by reselling ILEC wholesale or retail services. They reported providing 30% of lines (or 6.6 million lines) over ILEC facilities leased at regulated, cost-based rates (that is, as unbundled network elements, or UNEs). And they provided the remaining 32% of lines (or 7.0 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 June 30, 2012 (In Thousands)

	CLEC	ILEC	Difference
	Retail Switched Access Lines provisioned over ILEC Services (reported by CLECs)	Wholesale Switched Access Lines and UNEs provided to CLECs (reported by ILECs)	
Resold ILEC services¹	8,191	4,059	4,132
UNE-P²	960	121	839
UNE-L³	5,648	3,005	2,644
Total ILEC UNEs	6,608	3,126	3,483
Total ILEC services	14,800	7,185	7,615

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 date 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 update data presented in earlier reports in this series. We present national data first, followed by state-specific data and, finally, summary statistics of service-provider presence in individual ZIP Codes.⁸

* * * *

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: June 2012 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.

⁸ The appropriate interpretation of the ZIP Code-based information is discussed in the Technical Notes at the end of the report.

Table 1
Total End-User Switched Access Lines and VoIP Subscriptions¹
(In Thousands)

Date	Provided by		Total	Non-ILEC Share
	ILEC	Non-ILEC		
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	118,496	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	89,432	54,053	143,485	37.7
Jun 2012	85,850	55,138	140,989	39.1

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)

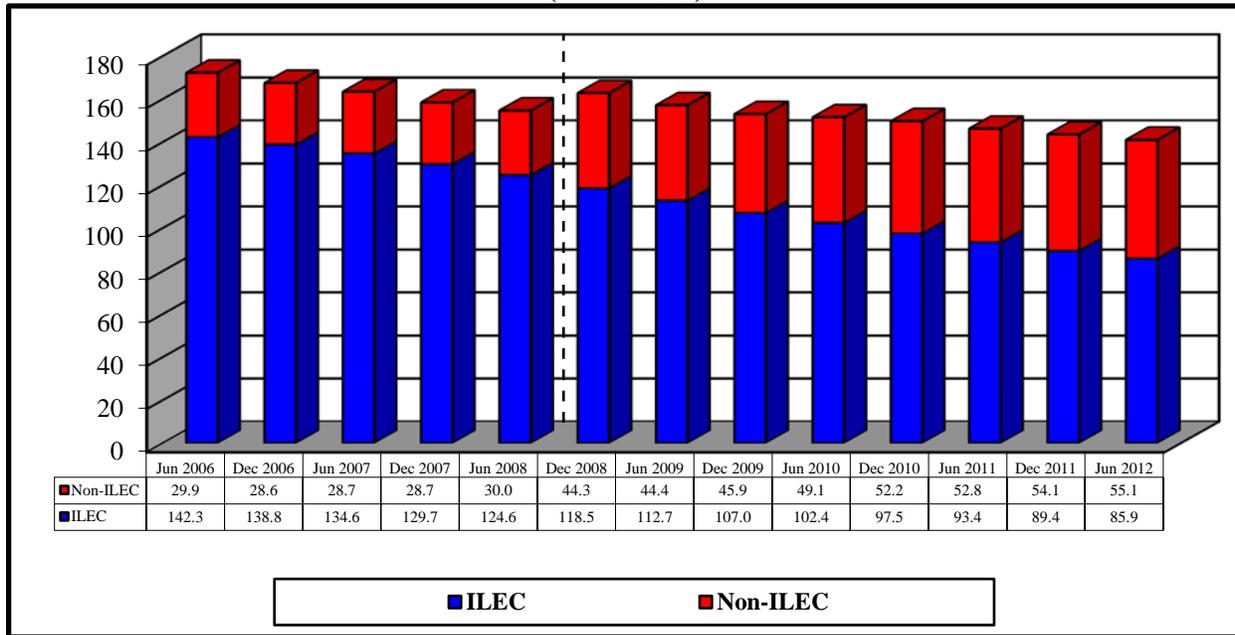


Table 2
Total End-User Switched Access Lines and VoIP Subscriptions by Customer Type¹
(In Thousands)

Date	Reporting ILECs			Reporting Non-ILECs		
	Residential	Business	% Residential	Residential	Business	% Residential
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	72,786	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	52,534	36,898	58.7	30,446	23,607	56.3
Jun 2012	50,167	35,683	58.4	30,818	24,320	55.9

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 Customers¹

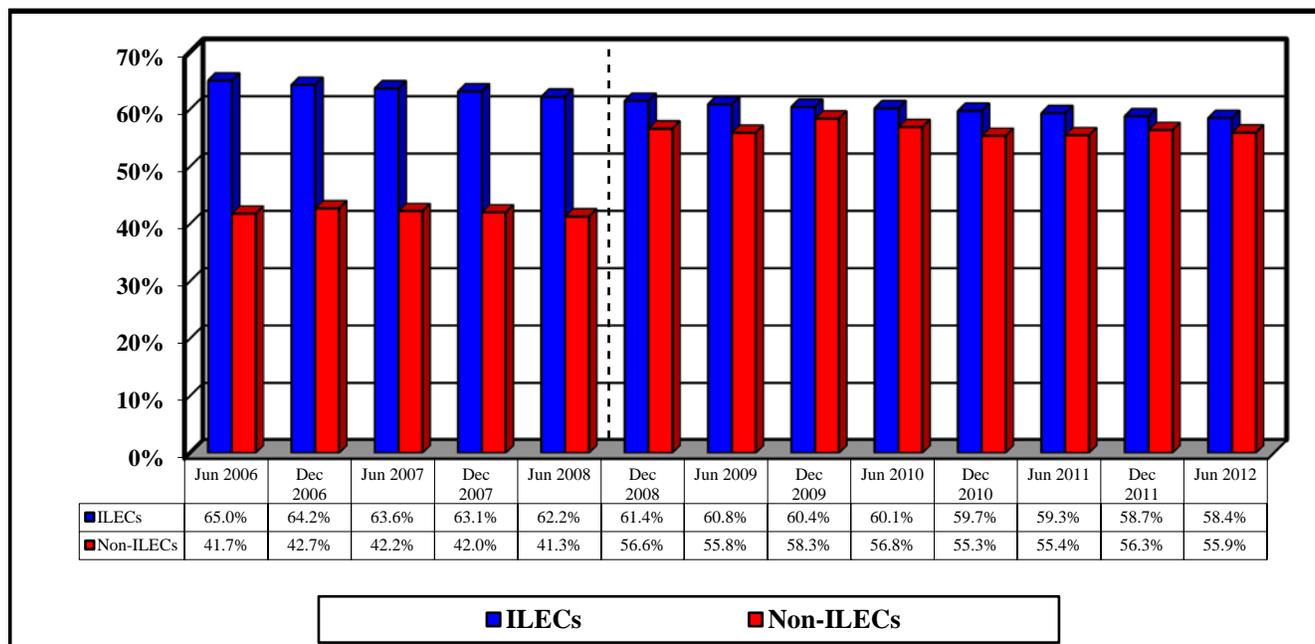


Table 3
End-User Switched Access Lines and VoIP Subscriptions by Customer Type
(In Thousands)

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	52,089	54,729	106,818	30,892	5,775	36,667	82,980	60,505	143,485
Jun 2012	48,393	53,440	101,833	32,592	6,564	39,155	80,985	60,003	140,989

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

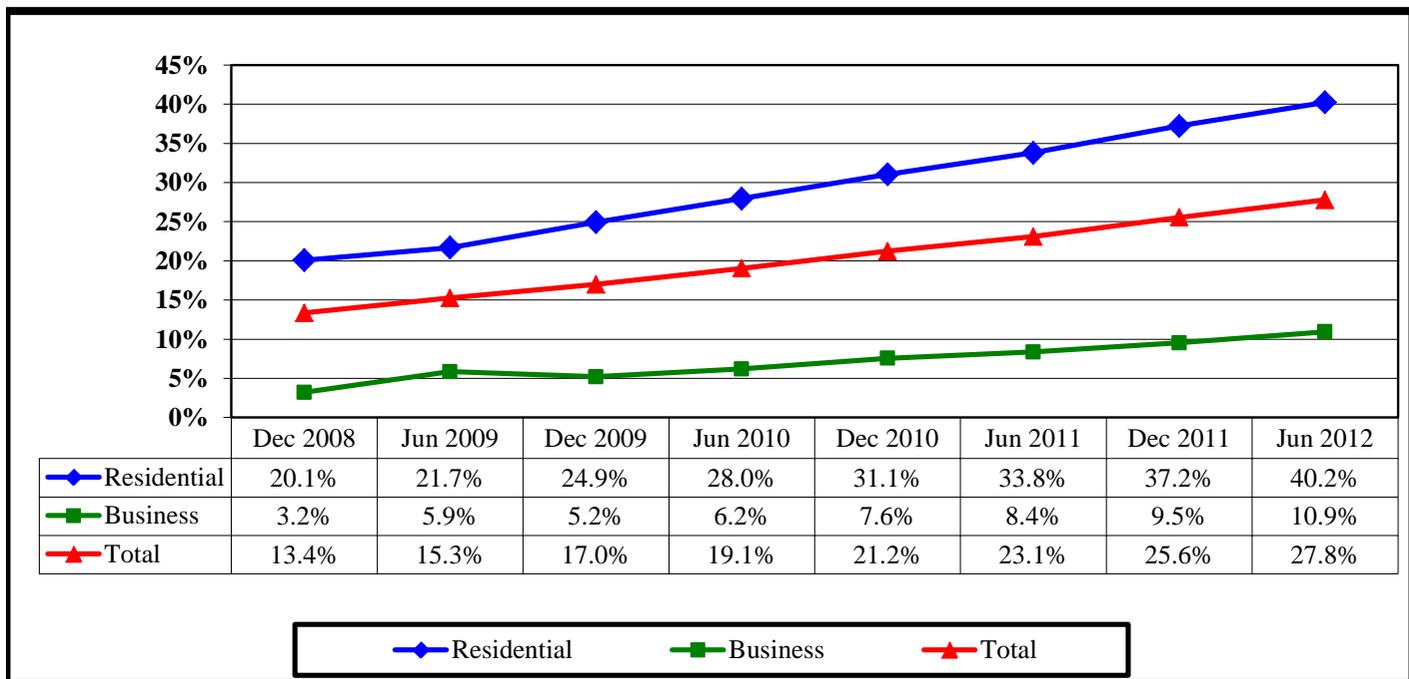


Table 4
End-User Switched Access Lines and VoIP Subscriptions Reported by Non-ILECs¹
(Lines and Subscriptions in Thousands)

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	CLEC-owned local loops	VoIP
			Resold LEC service	ILEC UNEs ²						
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	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	871	54,053	8,364	6,770	6,941	31,971	15.5	12.5	12.8	59.1
Jun 2012	869	55,138	8,191	6,608	6,999	33,342	14.9	12.0	12.7	60.5

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 June 30, 2012

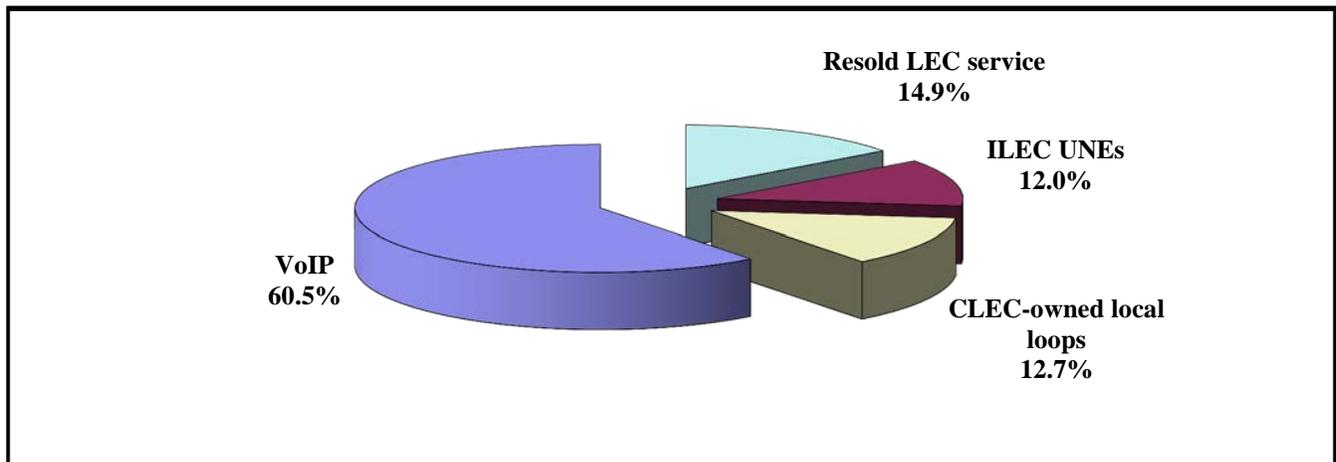


Table 5
ILEC End-User (Retail) and Wholesale Switched Access Lines, VoIP Subscriptions, and UNEs¹
(Lines, Subscriptions, and UNEs in Thousands)

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		
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	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	758	96,895	84,737	4,696	4,366	3,028	68	3,097	7,463	7.7
Jun 2012	756	93,035	80,037	5,813	4,059	3,005	121	3,126	7,185	7.7

Some previously published data have been revised.

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 the Percent Provided to CLECs for Resale

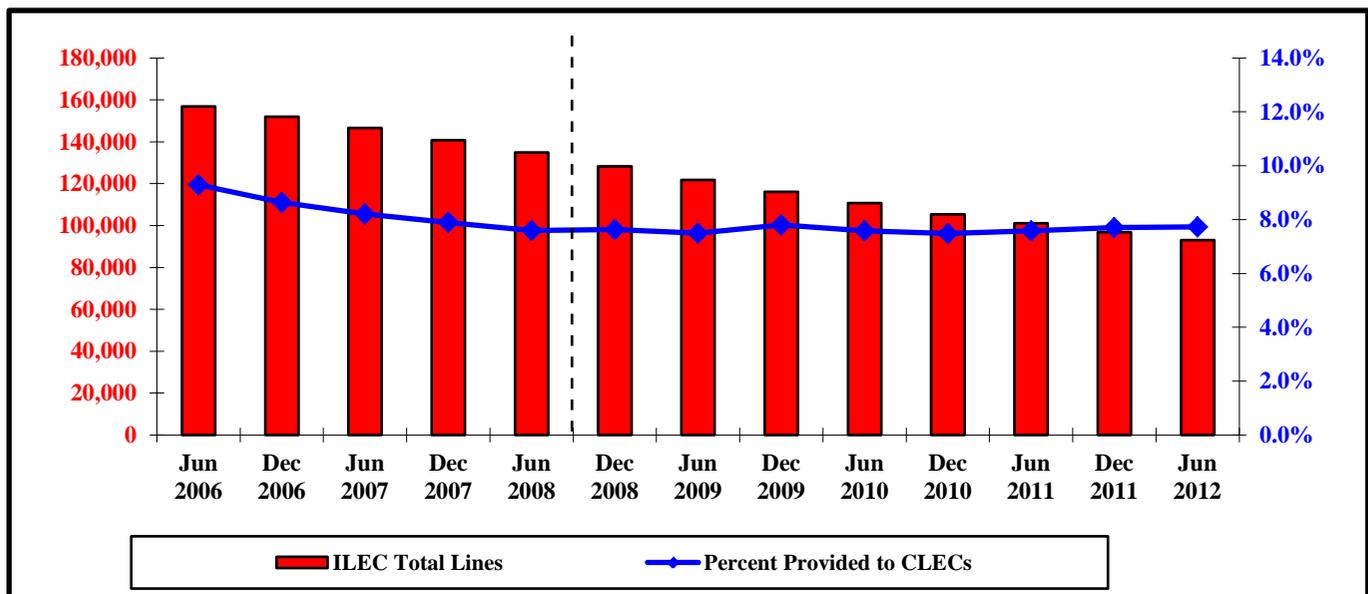


Table 6
End-User Switched Access Lines and VoIP Subscriptions
by Type of Technology for Non-ILEC Providers¹
(In Thousands)

Date	Coaxial Cable ²	Other Technology	Total	Percent Coaxial Cable
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	20,108	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	27,772	26,281	54,053	51.4
Jun 2012	28,540	26,598	55,138	51.8

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)

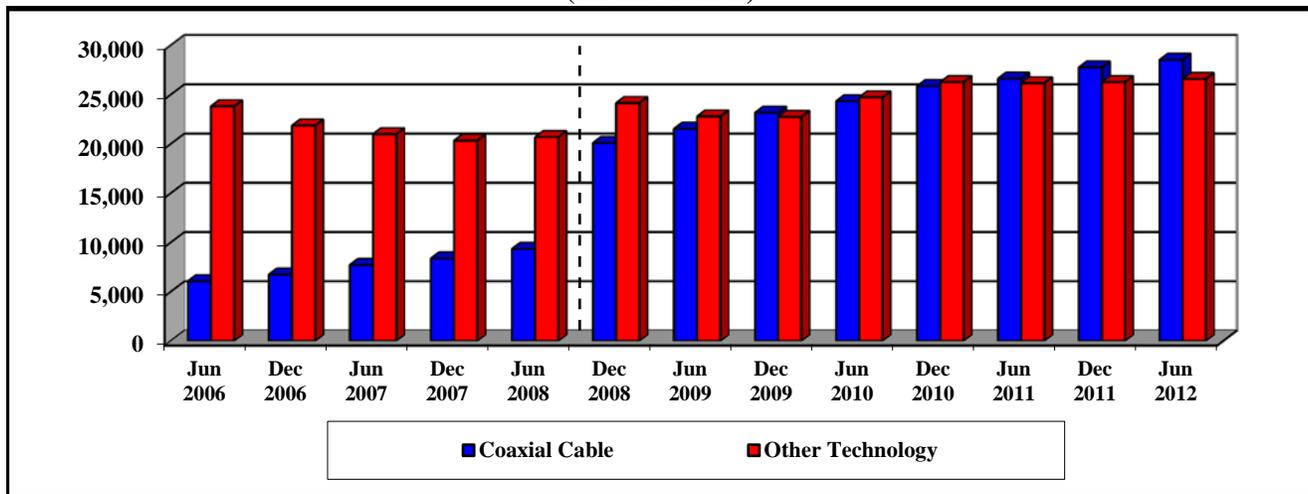


Table 7
Percentage of Switched Access Lines Presubscribed for Long Distance Service

	ILEC	CLEC	Total
Residential			
Jun 2007	65	86	68
Dec 2007	65	87	68
Jun 2008	66	88	69
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	74	69
Jun 2012	66	75	66
Business			
Jun 2007	48	72	54
Dec 2007	49	70	54
Jun 2008	49	72	55
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
Total			
Jun 2007	59	78	62
Dec 2007	59	77	63
Jun 2008	59	79	63
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	74	62

Some previously published data for December 2010 have been revised.

Chart 7
Percent Presubscribed Interstate Long Distance Lines for ILECs

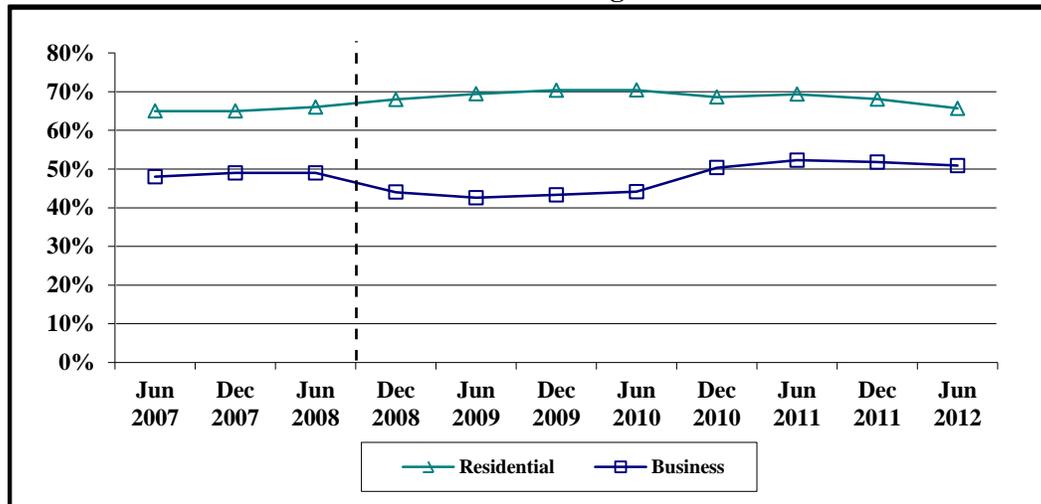


Table 8
Residential and Business Presubscribed Switched Access Lines
(In Thousands)

	June 30, 2012		
	ILEC	CLEC	Total
Residential			
Presubscribed	29,518	2,594	32,112
Not Presubscribed	15,429	852	16,281
All Lines	44,947	3,446	48,394
Percent Presubscribed	66%	75%	66%
Business			
Presubscribed	17,858	13,633	31,491
Not Presubscribed	17,232	4,717	21,949
All Lines	35,090	18,350	53,440
Percent Presubscribed	51%	74%	59%
Total			
Presubscribed	47,376	16,227	63,603
Not Presubscribed	32,661	5,569	38,230
All Lines	80,037	21,796	101,833
Percent Presubscribed	59%	74%	62%
	December 31, 2011		
	ILEC Total	CLEC	Total
Residential			
Presubscribed	32,925	2,773	35,698
Not Presubscribed	15,436	955	16,390
All Lines	48,361	3,728	52,089
Percent Presubscribed	68%	74%	69%
Business			
Presubscribed	18,835	13,702	32,537
Not Presubscribed	17,540	4,651	22,192
All Lines	36,376	18,353	54,729
Percent Presubscribed	52%	75%	59%
Total			
Presubscribed	51,761	16,475	68,236
Not Presubscribed	32,976	5,606	38,582
All Lines	84,737	22,081	106,818
Percent Presubscribed	61%	75%	64%

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 June 30, 2012
(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	1,209	0	54	1,263	325	59	256	640	1,903	34
Alaska	243	0	0	243	*	1	*	*	*	*
American Samoa	9	0	0	9	0	0	0	0	9	0
Arizona	1,278	0	1	1,279	581	115	542	1,238	2,517	49
Arkansas	729	0	27	756	107	23	130	259	1,016	26
California	10,812	1	800	11,614	2,190	696	3,028	5,914	17,528	34
Colorado	1,270	0	0	1,270	365	94	546	1,006	2,276	44
Connecticut	995	#	116	1,111	197	67	559	823	1,934	43
Delaware	244	#	44	288	55	20	105	181	469	39
District of Columbia	582	#	13	595	230	21	100	351	946	37
Florida	4,502	2	488	4,992	1,450	464	1,997	3,911	8,903	44
Georgia	2,404	#	157	2,561	758	162	649	1,569	4,130	38
Guam	40	0	0	40	*	*	*	*	*	*
Hawaii	402	#	4	406	48	7	99	153	559	27
Idaho	395	0	0	395	73	15	74	163	558	29
Illinois	3,430	0	275	3,705	633	227	1,139	1,999	5,703	35
Indiana	1,681	#	99	1,780	228	79	448	755	2,534	30
Iowa	850	#	#	850	176	30	166	372	1,222	30
Kansas	636	0	33	669	206	35	203	444	1,113	40
Kentucky	1,138	0	17	1,155	235	66	262	563	1,718	33
Louisiana	1,153	0	52	1,205	321	60	320	700	1,905	37
Maine	401	0	#	401	137	13	144	293	694	42
Maryland	1,735	2	326	2,062	421	125	495	1,041	3,103	34
Massachusetts	1,613	1	244	1,858	1,174	156	968	2,299	4,157	55
Michigan	2,189	0	193	2,382	412	189	1,028	1,630	4,012	41
Minnesota	1,417	#	2	1,419	464	65	526	1,055	2,474	43
Mississippi	700	#	22	723	98	26	113	237	959	25
Missouri	1,653	0	135	1,788	252	57	316	625	2,413	26
Montana	295	0	#	295	42	7	96	146	440	33
Nebraska	460	0	0	460	204	22	122	348	808	43
Nevada	660	0	14	673	130	63	310	503	1,176	43
New Hampshire	304	0	#	304	124	39	240	402	707	57
New Jersey	2,184	2	401	2,587	906	192	1,522	2,620	5,207	50
New Mexico	546	0	0	546	66	19	101	186	732	25
New York	4,390	2	551	4,943	1,856	258	3,170	5,283	10,226	52
North Carolina	2,513	#	69	2,582	671	119	843	1,633	4,215	39
North Dakota	204	0	0	204	81	3	39	122	327	37
Northern Mariana Isl.	15	0	0	15	0	0	0	0	15	0
Ohio	2,956	#	146	3,103	502	99	1,000	1,601	4,704	34
Oklahoma	874	0	33	907	283	50	291	624	1,531	41
Oregon	880	#	#	881	244	64	380	688	1,568	44
Pennsylvania	3,557	1	336	3,895	1,366	246	1,218	2,829	6,724	42
Puerto Rico	625	0	0	625	*	*	106	226	851	27
Rhode Island	195	#	50	245	238	25	92	355	600	59
South Carolina	1,182	0	54	1,236	294	60	300	654	1,889	35
South Dakota	202	0	#	202	137	4	69	210	413	51
Tennessee	1,516	0	83	1,599	542	85	489	1,117	2,716	41
Texas	5,843	1	587	6,431	1,076	313	1,314	2,703	9,134	30
Utah	529	0	0	529	156	41	236	434	962	45
Vermont	234	0	#	234	45	12	70	127	362	35
Virgin Islands	49	0	0	49	0	*	0	*	*	*
Virginia	2,229	1	287	2,518	749	174	611	1,534	4,052	38
Washington	1,571	#	1	1,572	387	133	796	1,316	2,888	46
West Virginia	581	#	1	581	39	16	158	212	793	27
Wisconsin	1,581	0	84	1,665	274	68	469	812	2,476	33
Wyoming	152	0	#	153	17	5	64	86	239	36
Nationwide	80,037	13	5,801	85,850	21,796	5,008	28,335	55,138	140,989	39

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

Table 10
Residential End-User Switched Access Lines and VoIP Subscriptions by State as of June 30, 2012
(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	762	0	50	812	74	51	218	342	1,155	30
Alaska	116	0	0	116	*	1	*	*	*	*
American Samoa	4	0	0	4	0	0	0	0	4	0
Arizona	741	0	0	741	279	77	355	712	1,453	49
Arkansas	439	0	25	464	12	18	103	132	597	22
California	5,618	1	692	6,311	501	454	2,244	3,199	9,511	34
Colorado	764	0	0	764	13	73	446	533	1,297	41
Connecticut	526	#	105	631	41	52	498	590	1,222	48
Delaware	125	#	42	167	4	17	101	122	289	42
District of Columbia	103	#	9	111	11	11	41	63	175	36
Florida	2,566	2	449	3,016	56	367	1,766	2,189	5,206	42
Georgia	1,343	#	138	1,481	88	132	545	765	2,246	34
Guam	22	0	0	22	*	*	*	*	*	*
Hawaii	214	0	0	214	#	4	82	86	300	29
Idaho	242	0	0	242	19	9	53	80	322	25
Illinois	1,712	0	224	1,936	66	182	969	1,217	3,153	39
Indiana	971	0	91	1,062	59	64	404	527	1,589	33
Iowa	545	#	#	545	67	24	110	202	747	27
Kansas	353	0	29	382	83	24	144	252	634	40
Kentucky	697	0	14	711	82	17	240	339	1,050	32
Louisiana	659	0	45	704	123	48	249	420	1,124	37
Maine	287	0	0	287	10	10	131	150	438	34
Maryland	840	2	314	1,155	51	92	409	552	1,707	32
Massachusetts	821	1	235	1,056	49	124	919	1,092	2,148	51
Michigan	1,121	0	165	1,286	87	167	938	1,192	2,478	48
Minnesota	958	#	#	958	89	53	366	508	1,466	35
Mississippi	410	0	20	430	27	23	104	154	584	26
Missouri	1,002	0	117	1,119	29	45	251	325	1,444	23
Montana	186	0	#	186	13	4	70	88	273	32
Nebraska	256	0	0	256	91	14	78	183	439	42
Nevada	377	0	13	389	3	46	241	290	680	43
New Hampshire	199	0	0	199	3	32	230	265	465	57
New Jersey	1,083	2	377	1,461	61	148	1,326	1,535	2,996	51
New Mexico	350	0	0	350	7	15	76	98	448	22
New York	2,357	2	514	2,873	178	155	2,651	2,985	5,858	51
North Carolina	1,520	#	60	1,580	31	94	751	875	2,456	36
North Dakota	135	0	0	135	41	2	7	50	185	27
Northern Mariana Isl.	7	0	0	7	0	0	0	0	7	0
Ohio	1,733	#	120	1,853	74	69	888	1,030	2,883	36
Oklahoma	512	0	29	542	147	32	215	395	937	42
Oregon	559	0	0	559	20	49	336	404	963	42
Pennsylvania	2,212	1	316	2,529	116	201	1,136	1,453	3,982	36
Puerto Rico	450	0	0	450	*	*	87	100	550	18
Rhode Island	114	#	49	164	76	17	64	157	321	49
South Carolina	747	0	45	793	59	41	254	354	1,147	31
South Dakota	127	0	#	127	76	3	63	142	269	53
Tennessee	931	0	73	1,004	63	73	415	550	1,554	35
Texas	3,101	1	509	3,611	114	230	1,084	1,428	5,039	28
Utah	313	0	0	313	18	27	164	209	522	40
Vermont	163	0	0	163	5	10	67	82	245	34
Virgin Islands	32	0	0	32	0	*	0	*	*	*
Virginia	1,206	1	266	1,473	157	125	423	705	2,178	32
Washington	970	#	#	971	45	103	714	862	1,833	47
West Virginia	388	#	1	389	5	13	147	164	553	30
Wisconsin	884	0	69	953	46	56	419	522	1,475	35
Wyoming	74	0	#	75	4	3	49	56	130	43
Nationwide	44,947	12	5,207	50,167	3,446	3,717	23,656	30,818	80,985	38

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

Table 11
Business End-User Switched Access Lines and VoIP Subscriptions by State as of June 30, 2012
(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	447	0	4	451	251	8	38	298	748	40%
Alaska	126	0	0	126	*	#	*	*	*	*
American Samoa	5	0	0	5	0	0	0	0	5	0
Arizona	537	0	1	538	302	38	187	527	1,064	49
Arkansas	290	0	2	292	95	5	26	127	419	30
California	5,194	0	108	5,302	1,689	242	784	2,715	8,017	34
Colorado	506	0	0	506	352	21	100	473	979	48
Connecticut	469	0	10	479	157	15	61	233	712	33
Delaware	118	0	2	120	51	3	5	59	180	33
District of Columbia	479	0	5	484	219	10	59	288	772	37
Florida	1,936	0	39	1,975	1,394	97	231	1,721	3,697	47
Georgia	1,061	0	20	1,080	670	30	104	804	1,884	43
Guam	18	0	0	18	*	0	*	*	*	*
Hawaii	187	#	4	191	48	2	17	67	258	26
Idaho	153	0	0	153	54	6	22	82	235	35
Illinois	1,718	0	51	1,768	567	46	170	782	2,550	31
Indiana	710	#	8	718	170	15	43	228	946	24
Iowa	305	#	#	305	109	6	56	170	475	36
Kansas	283	0	4	287	123	11	59	193	479	40
Kentucky	441	0	3	444	153	48	23	224	668	34
Louisiana	494	0	7	501	198	11	71	280	781	36
Maine	113	0	#	114	127	3	13	143	257	56
Maryland	895	0	12	907	370	33	86	489	1,396	35
Massachusetts	793	0	9	802	1,125	32	49	1,207	2,009	60
Michigan	1,068	0	28	1,096	325	22	90	438	1,534	29
Minnesota	460	#	2	461	375	12	160	547	1,008	54
Mississippi	290	#	3	293	71	3	9	83	376	22
Missouri	651	0	18	669	222	12	65	300	968	31
Montana	109	0	0	109	29	3	26	58	167	35
Nebraska	204	0	0	204	113	7	44	165	368	45
Nevada	283	0	1	284	128	16	69	213	497	43
New Hampshire	104	0	#	105	121	7	10	137	242	57
New Jersey	1,101	0	24	1,125	845	44	196	1,086	2,211	49
New Mexico	196	0	0	196	59	4	25	88	284	31
New York	2,033	0	37	2,070	1,678	102	518	2,298	4,368	53
North Carolina	993	0	9	1,002	640	26	92	757	1,759	43
North Dakota	70	0	0	70	40	1	32	72	142	51
Northern Mariana Isl.	8	0	0	8	0	0	0	0	8	0
Ohio	1,224	0	26	1,250	428	30	113	571	1,820	31
Oklahoma	362	0	3	365	136	17	75	228	594	38
Oregon	321	#	#	322	224	15	44	283	605	47
Pennsylvania	1,345	0	20	1,366	1,249	45	82	1,376	2,742	50
Puerto Rico	175	0	0	175	*	*	19	126	301	42
Rhode Island	80	0	1	81	162	8	28	198	279	71
South Carolina	434	0	9	443	234	20	45	299	743	40
South Dakota	76	0	0	76	61	1	6	68	144	47
Tennessee	585	0	11	595	480	12	74	566	1,161	49
Texas	2,742	0	78	2,820	961	83	231	1,275	4,095	31
Utah	216	0	0	216	138	14	72	225	440	51
Vermont	72	0	#	72	40	2	3	45	117	39
Virgin Islands	18	0	0	18	0	*	0	*	*	*
Virginia	1,024	0	21	1,044	592	50	188	830	1,874	44
Washington	601	#	#	601	341	30	83	454	1,055	43
West Virginia	193	0	0	193	34	3	11	48	241	20
Wisconsin	697	0	15	711	228	12	50	290	1,001	29
Wyoming	78	0	0	78	14	1	15	30	109	28
Nationwide	35,090	#	593	35,683	18,350	1,291	4,679	24,320	60,003	41

= 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 State¹

State	2008		2009		2010		2011		2012
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	16 %	21 %	21 %	24 %	28 %	30 %	31 %	32 %	34 %
Alaska	*	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0
Arizona	37	40	40	42	44	46	46	48	49
Arkansas	14	18	19	20	22	22	24	29	26
California	15	22	23	25	27	28	30	32	34
Colorado	19	31	32	34	36	39	40	42	44
Connecticut	15	29	31	33	35	37	39	41	43
Delaware	18	30	31	32	34	35	37	38	39
District of Columbia	15	20	20	21	31	32	34	35	37
Florida	14	27	28	31	36	39	40	42	44
Georgia	17	25	26	27	31	33	34	36	38
Guam	*	*	*	*	*	*	*	*	*
Hawaii	18	18	19	21	22	24	24	26	27
Idaho	11	17	18	19	25	28	26	27	29
Illinois	14	24	24	25	27	30	32	33	35
Indiana	11	18	19	20	23	25	27	28	30
Iowa	19	22	22	24	26	27	28	29	30
Kansas	28	31	31	32	34	36	37	39	40
Kentucky	18	25	27	28	29	33	32	35	33
Louisiana	21	23	25	27	30	32	33	34	37
Maine	24	30	33	36	38	39	40	42	42
Maryland	15	25	26	27	28	30	31	32	34
Massachusetts	25	39	40	42	44	49	52	53	55
Michigan	20	29	30	33	34	36	38	39	41
Minnesota	22	31	32	34	36	37	38	43	43
Mississippi	11	16	17	20	23	25	22	24	25
Missouri	15	18	18	20	22	23	24	25	26
Montana	19	21	22	23	24	26	29	31	33
Nebraska	31	34	35	38	39	42	42	42	43
Nevada	26	30	31	33	36	39	40	42	43
New Hampshire	25	42	45	49	51	54	55	56	57
New Jersey	18	34	36	38	40	46	47	49	50
New Mexico	9	14	15	17	19	21	22	24	25
New York	31	41	42	44	46	49	50	51	52
North Carolina	20	24	25	27	33	35	36	37	39
North Dakota	24	32	31	35	36	38	37	38	37
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0
Ohio	23	25	26	28	29	31	32	33	34
Oklahoma	27	30	30	34	35	38	39	40	41
Oregon	18	31	32	34	36	39	41	42	44
Pennsylvania	21	30	30	32	35	38	40	41	42
Puerto Rico	19	22	25	22	26	25	25	25	27
Rhode Island	50	52	53	54	54	58	60	59	59
South Carolina	19	23	24	26	30	32	32	33	35
South Dakota	32	36	36	44	45	47	48	50	51
Tennessee	18	25	25	28	33	36	37	39	41
Texas	18	22	22	23	24	25	27	28	30
Utah	21	26	32	34	36	38	39	43	45
Vermont	13	24	23	27	29	31	34	35	35
Virgin Islands	0	*	0	*	*	*	*	*	*
Virginia	23	31	32	34	33	35	36	37	38
Washington	16	30	32	35	37	40	42	44	46
West Virginia	16	22	24	27	29	30	31	32	27
Wisconsin	24	26	26	27	27	30	31	32	33
Wyoming	19	21	21	22	24	26	29	33	36
Nationwide	19 %	27 %	28 %	30 %	32 %	35 %	36 %	38 %	39 %

* = 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 State¹
(In Thousands)

State	2008		2009		2010		2011		2012
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	352	463	453	494	594	622	620	634	640
Alaska	*	*	*	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0	0
Arizona	1,129	1,227	1,173	1,193	1,236	1,244	1,203	1,228	1,238
Arkansas	175	220	224	230	248	250	257	325	259
California	3,101	4,607	4,764	4,857	5,166	5,342	5,515	5,686	5,914
Colorado	449	847	825	837	884	929	944	967	1,006
Connecticut	291	630	644	680	706	751	782	799	823
Delaware	85	166	166	165	173	174	177	179	181
District of Columbia	136	183	180	190	300	314	337	343	351
Florida	1,276	2,748	2,737	2,907	3,525	3,729	3,690	3,849	3,911
Georgia	764	1,174	1,133	1,173	1,370	1,410	1,427	1,506	1,569
Guam	*	*	*	*	*	*	*	*	*
Hawaii	115	114	117	125	128	138	137	147	153
Idaho	79	123	117	123	159	177	149	150	163
Illinois	875	1,667	1,614	1,634	1,658	1,826	1,899	1,919	1,999
Indiana	313	565	562	592	647	691	719	750	755
Iowa	273	309	310	322	344	354	360	363	372
Kansas	375	419	413	408	429	436	440	441	444
Kentucky	331	497	508	521	546	621	591	636	563
Louisiana	449	491	507	539	602	642	640	639	700
Maine	181	233	250	274	282	283	285	293	293
Maryland	479	868	891	911	912	961	981	1,024	1,041
Massachusetts	871	1,602	1,592	1,643	1,695	1,967	2,198	2,169	2,299
Michigan	927	1,458	1,451	1,501	1,518	1,576	1,580	1,591	1,630
Minnesota	572	877	864	905	927	942	956	1,107	1,055
Mississippi	122	184	184	214	252	267	227	233	237
Missouri	471	523	518	553	598	611	606	613	625
Montana	96	101	103	104	109	117	127	137	146
Nebraska	274	299	302	332	330	359	348	342	348
Nevada	372	420	411	416	451	476	471	493	503
New Hampshire	167	347	351	376	388	395	397	396	402
New Jersey	866	1,946	1,986	2,004	2,104	2,464	2,530	2,576	2,620
New Mexico	75	123	128	138	157	168	171	177	186
New York	3,125	4,563	4,578	4,710	4,807	5,295	5,222	5,212	5,283
North Carolina	953	1,101	1,137	1,200	1,480	1,557	1,535	1,589	1,633
North Dakota	76	113	104	123	126	129	124	124	122
Northern Mariana Isl.	0	0	0	0	0	0	0	0	0
Ohio	1,365	1,473	1,450	1,492	1,550	1,615	1,563	1,594	1,601
Oklahoma	474	521	504	570	572	621	619	617	624
Oregon	300	575	563	582	615	631	650	659	688
Pennsylvania	1,423	2,205	2,176	2,201	2,422	2,650	2,759	2,786	2,829
Puerto Rico	186	210	234	170	244	231	228	224	226
Rhode Island	301	317	311	311	308	353	383	360	355
South Carolina	399	478	497	535	622	645	623	640	654
South Dakota	124	140	136	183	188	193	199	209	210
Tennessee	523	756	726	791	966	1,020	1,051	1,085	1,117
Texas	1,919	2,387	2,358	2,372	2,452	2,498	2,556	2,586	2,703
Utah	211	274	342	353	362	371	375	426	434
Vermont	47	90	91	102	110	116	126	129	127
Virgin Islands	0	*	#	*	*	*	*	*	*
Virginia	1,043	1,443	1,476	1,565	1,463	1,497	1,523	1,527	1,534
Washington	471	1,031	1,025	1,095	1,162	1,221	1,229	1,257	1,316
West Virginia	141	196	214	235	248	269	270	280	212
Wisconsin	744	770	755	771	728	791	794	807	812
Wyoming	51	54	53	54	58	62	68	78	86
Total	30,049	44,267	44,351	45,927	49,077	52,155	52,820	54,053	55,138

= 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 State¹
(In Thousands)

State	2008		2009		2010		2011		2012
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	1,861	1,746	1,665	1,579	1,506	1,438	1,386	1,322	1,263
Alaska	294	289	282	273	271	260	257	247	243
American Samoa	11	10	10	10	10	10	9	9	9
Arizona	1,943	1,847	1,741	1,649	1,563	1,476	1,409	1,343	1,279
Arkansas	1,069	1,021	982	941	904	865	827	789	756
California	17,149	16,345	15,555	14,796	14,118	13,455	12,786	12,197	11,614
Colorado	1,973	1,873	1,758	1,656	1,569	1,473	1,409	1,329	1,270
Connecticut	1,632	1,540	1,463	1,389	1,326	1,268	1,214	1,165	1,111
Delaware	396	380	363	344	331	317	307	297	288
District of Columbia	788	737	714	697	680	679	644	627	595
Florida	7,932	7,440	6,918	6,491	6,138	5,798	5,508	5,259	4,992
Georgia	3,675	3,468	3,304	3,156	3,011	2,881	2,779	2,659	2,561
Guam	62	54	51	49	48	48	45	42	40
Hawaii	516	512	489	473	455	444	431	419	406
Idaho	609	582	550	514	486	455	433	404	395
Illinois	5,562	5,342	5,086	4,812	4,581	4,313	4,078	3,852	3,705
Indiana	2,665	2,547	2,434	2,300	2,186	2,064	1,945	1,894	1,780
Iowa	1,162	1,113	1,077	1,024	987	940	917	882	850
Kansas	977	939	899	858	820	774	737	700	669
Kentucky	1,542	1,458	1,387	1,352	1,317	1,272	1,238	1,195	1,155
Louisiana	1,710	1,634	1,561	1,489	1,426	1,369	1,318	1,255	1,205
Maine	579	542	519	482	463	438	428	407	401
Maryland	2,792	2,588	2,520	2,403	2,333	2,262	2,193	2,128	2,062
Massachusetts	2,609	2,493	2,369	2,238	2,149	2,065	1,991	1,926	1,858
Michigan	3,719	3,514	3,323	3,113	2,952	2,757	2,619	2,513	2,382
Minnesota	2,006	1,922	1,826	1,725	1,666	1,583	1,537	1,468	1,419
Mississippi	1,018	963	922	879	848	813	783	752	723
Missouri	2,568	2,465	2,367	2,259	2,162	2,055	1,961	1,866	1,788
Montana	406	387	371	351	342	327	318	302	295
Nebraska	606	584	564	543	521	501	489	474	460
Nevada	1,042	972	911	856	809	759	719	691	673
New Hampshire	507	470	435	385	366	342	326	312	304
New Jersey	3,936	3,734	3,519	3,288	3,112	2,937	2,807	2,700	2,587
New Mexico	783	754	713	682	651	618	595	569	546
New York	6,902	6,557	6,234	5,900	5,653	5,416	5,258	5,099	4,943
North Carolina	3,715	3,519	3,335	3,189	3,045	2,886	2,779	2,691	2,582
North Dakota	248	241	233	224	220	213	210	206	204
Northern Mariana Isl.	18	17	17	16	16	16	15	15	15
Ohio	4,537	4,326	4,124	3,914	3,719	3,515	3,342	3,174	3,103
Oklahoma	1,267	1,215	1,169	1,117	1,070	1,022	981	939	907
Oregon	1,359	1,286	1,210	1,140	1,080	1,003	949	895	881
Pennsylvania	5,494	5,243	5,029	4,771	4,571	4,387	4,217	4,055	3,895
Puerto Rico	786	755	698	610	706	707	689	655	625
Rhode Island	302	292	281	270	264	260	255	252	245
South Carolina	1,728	1,629	1,561	1,488	1,429	1,368	1,330	1,284	1,236
South Dakota	261	251	244	233	227	217	212	205	202
Tennessee	2,436	2,297	2,170	2,061	1,962	1,846	1,774	1,681	1,599
Texas	9,020	8,673	8,307	7,999	7,678	7,360	7,046	6,725	6,431
Utah	811	776	725	690	657	614	586	555	529
Vermont	323	289	299	280	265	253	245	237	234
Virgin Islands	62	61	59	57	59	58	56	53	49
Virginia	3,422	3,265	3,160	3,050	2,944	2,811	2,705	2,633	2,518
Washington	2,509	2,367	2,211	2,071	1,962	1,815	1,722	1,621	1,572
West Virginia	752	714	677	637	606	628	603	589	581
Wisconsin	2,336	2,246	2,156	2,051	1,970	1,874	1,807	1,715	1,665
Wyoming	218	209	200	190	183	175	168	160	153
Total	124,606	118,496	112,748	107,018	102,395	97,497	93,394	89,432	85,850

Some previously published data have been revised.

¹ See footnote 1, Table 1.

Table 15
Non-ILEC Methods of Providing Wireline Telephone Services by State
as of June 30, 2012
(In Thousands)

State	Resold LEC service	ILEC UNEs	CLEC-owned local loops	VoIP Subscriptions ¹	Total
Alabama	93	143	89	315	640
Alaska	*	*	*	*	*
American Samoa	0	0	0	0	0
Arizona	145	90	346	657	1,238
Arkansas	24	18	65	152	259
California	1,243	443	504	3,724	5,914
Colorado	161	143	61	640	1,006
Connecticut	57	51	88	626	823
Delaware	31	23	1	126	181
District of Columbia	167	29	34	121	351
Florida	580	579	292	2,461	3,911
Georgia	225	372	161	811	1,569
Guam	*	*	*	*	*
Hawaii	28	3	17	106	153
Idaho	18	28	28	89	163
Illinois	291	224	118	1,366	1,999
Indiana	68	69	92	526	755
Iowa	47	38	91	196	372
Kansas	57	41	109	238	444
Kentucky	82	72	81	328	563
Louisiana	139	99	83	379	700
Maine	23	57	57	156	293
Maryland	211	116	94	620	1,041
Massachusetts	320	201	655	1,124	2,299
Michigan	123	238	51	1,217	1,630
Minnesota	118	213	133	590	1,055
Mississippi	46	44	8	139	237
Missouri	72	126	54	373	625
Montana	7	10	25	103	146
Nebraska	68	10	126	144	348
Nevada	68	36	26	373	503
New Hampshire	39	50	34	279	402
New Jersey	408	164	334	1,714	2,620
New Mexico	33	12	20	121	186
New York	727	467	665	3,427	5,283
North Carolina	256	283	132	962	1,633
North Dakota	4	17	59	42	122
Northern Mariana Isl.	0	0	0	0	0
Ohio	171	178	154	1,099	1,601
Oklahoma	63	93	127	340	624
Oregon	62	134	48	444	688
Pennsylvania	558	338	469	1,464	2,829
Puerto Rico	12	*	*	*	226
Rhode Island	32	18	187	117	355
South Carolina	103	117	74	360	654
South Dakota	8	6	122	74	210
Tennessee	187	206	149	574	1,117
Texas	407	410	256	1,627	2,703
Utah	54	17	85	278	434
Vermont	11	18	16	82	127
Virgin Islands	*	*	*	*	*
Virginia	337	126	286	785	1,534
Washington	118	182	86	929	1,316
West Virginia	26	10	2	174	212
Wisconsin	52	175	47	537	812
Wyoming	5	8	4	69	86
Total	8,191	6,608	6,999	33,342	55,138

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

¹ See footnote 1, Table 1.

Corrected 6/21/13

Table 16
Percentage of End-User Switched Access Lines and VoIP Subscriptions
Provided to Residential Customers by State as of June 30, 2012

State	ILECs	Non-ILECs	Total
Alabama	64%	53%	61%
Alaska	48	*	*
American Samoa	44	NA	44
Arizona	58	58	58
Arkansas	61	51	59
California	54	54	54
Colorado	60	53	57
Connecticut	57	72	63
Delaware	58	67	62
District of Columbia	19	18	18
Florida	60	56	58
Georgia	58	49	54
Guam	55	*	*
Hawaii	53	56	54
Idaho	61	49	58
Illinois	52	61	55
Indiana	60	70	63
Iowa	64	54	61
Kansas	57	57	57
Kentucky	62	60	61
Louisiana	58	60	59
Maine	72	51	63
Maryland	56	53	55
Massachusetts	57	47	52
Michigan	54	73	62
Minnesota	68	48	59
Mississippi	59	65	61
Missouri	63	52	60
Montana	63	60	62
Nebraska	56	53	54
Nevada	58	58	58
New Hampshire	65	66	66
New Jersey	56	59	58
New Mexico	64	53	61
New York	58	57	57
North Carolina	61	54	58
North Dakota	66	41	57
Northern Mariana Isl.	47	NA	47
Ohio	60	64	61
Oklahoma	60	63	61
Oregon	63	59	61
Pennsylvania	65	51	59
Puerto Rico	72	44	65
Rhode Island	67	44	54
South Carolina	64	54	61
South Dakota	63	68	65
Tennessee	63	49	57
Texas	56	53	55
Utah	59	48	54
Vermont	70	65	68
Virgin Islands	65	*	*
Virginia	58	46	54
Washington	62	66	63
West Virginia	67	77	70
Wisconsin	57	64	60
Wyoming	49	65	54
Nationwide	58	56	57

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

Table 17
Number of Reporting ILECs, Non-ILECs, and VoIP Providers by State
as of June 30, 2012

State	ILECs	Non-ILECs	Total¹	VoIP Providers²
Alabama	20	113	126	88
Alaska	17	19	35	18
American Samoa	1	0	1	0
Arizona	15	116	128	97
Arkansas	20	82	98	66
California	15	177	188	145
Colorado	25	127	149	101
Connecticut	2	101	101	83
Delaware	1	72	73	59
District of Columbia	1	84	85	68
Florida	10	200	205	149
Georgia	27	172	188	131
Guam	1	4	5	3
Hawaii	2	36	38	33
Idaho	18	73	86	59
Illinois	43	170	203	128
Indiana	29	125	145	97
Iowa	134	122	226	69
Kansas	39	112	138	84
Kentucky	17	117	126	91
Louisiana	10	100	104	75
Maine	7	66	70	48
Maryland	2	132	132	106
Massachusetts	4	120	122	100
Michigan	25	123	139	95
Minnesota	48	123	156	91
Mississippi	13	93	100	69
Missouri	31	113	136	88
Montana	17	64	74	48
Nebraska	30	78	100	58
Nevada	12	92	102	80
New Hampshire	6	83	89	70
New Jersey	3	137	137	107
New Mexico	16	79	87	59
New York	25	154	168	122
North Carolina	19	143	153	109
North Dakota	23	62	79	43
Northern Mariana Isl	1	0	1	0
Ohio	34	139	163	112
Oklahoma	38	94	126	69
Oregon	24	107	127	82
Pennsylvania	23	150	163	122
Puerto Rico	1	16	16	15
Rhode Island	1	61	62	47
South Carolina	17	119	125	88
South Dakota	29	57	77	43
Tennessee	18	129	142	100
Texas	51	198	231	140
Utah	13	86	97	71
Vermont	7	62	68	49
Virgin Islands	1	1	2	1
Virginia	15	126	135	105
Washington	16	128	140	110
West Virginia	7	80	84	65
Wisconsin	40	124	148	87
Wyoming	9	73	77	56
Nationwide	756	869	1,402	542

¹ 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 and once is 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	Jun 2012		Subscribers (In Thousands)								
	Carriers	% Resold ¹	2008		2009		2010		2011		2012
			Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Alabama	12	16 %	3,887	3,960	4,003	4,228	4,211	4,328	4,350	4,491	4,551
Alaska	13	5	480	383	544	586	590	608	619	634	642
American Samoa	*	*	*	*	*	*	*	*	*	*	*
Arizona	13	10	4,936	4,983	5,005	5,101	5,268	5,285	5,402	5,532	5,695
Arkansas	15	28	2,446	2,530	2,576	2,519	2,485	2,673	2,773	3,339	3,382
California	16	5	31,946	32,177	32,215	32,938	33,548	33,839	34,299	34,892	35,163
Colorado	13	9	4,066	4,311	4,357	4,503	4,647	4,687	4,705	4,767	4,825
Connecticut	10	8	2,959	3,030	3,047	3,123	3,192	3,230	3,305	3,360	3,385
Delaware	10	9	775	778	779	803	859	851	881	893	901
District of Columbia	9	11	1,047	1,096	1,116	1,183	1,227	1,249	1,273	1,347	1,377
Florida	13	10	15,809	16,158	16,425	16,744	16,895	17,251	17,613	17,923	18,166
Georgia	15	17	8,142	8,322	8,562	8,863	8,869	9,063	9,137	9,655	10,060
Guam	4	2	*	*	*	*	*	*	139	*	154
Hawaii	7	5	1,115	1,184	1,196	1,216	1,248	1,252	1,274	1,296	1,314
Idaho	16	8	1,125	1,167	1,180	1,221	1,269	1,277	1,293	1,323	1,348
Illinois	16	14	10,634	10,919	11,070	11,523	11,604	12,057	12,259	12,705	12,914
Indiana	14	11	4,824	4,956	4,983	5,205	5,289	5,410	5,496	5,580	5,679
Iowa	69	10	2,245	2,319	2,336	2,432	2,466	2,535	2,559	2,658	2,718
Kansas	16	16	2,326	2,421	2,430	2,466	2,491	2,560	2,570	2,653	2,690
Kentucky	15	13	3,343	3,445	3,439	3,631	3,654	3,726	3,754	3,813	3,954
Louisiana	18	23	3,896	4,012	4,053	3,993	3,953	4,340	4,876	5,676	5,721
Maine	9	25	972	1,012	1,006	1,065	1,040	1,124	1,090	1,178	1,195
Maryland	18	16	5,124	5,234	5,260	5,323	5,500	5,560	5,665	6,151	6,361
Massachusetts	10	10	5,624	5,749	6,027	6,171	6,367	6,316	6,419	6,534	6,638
Michigan	14	14	7,821	8,027	8,171	8,576	8,690	8,861	9,391	9,253	9,307
Minnesota	12	13	4,164	4,345	4,254	4,439	4,611	4,704	4,782	4,942	5,071
Mississippi	12	17	2,252	2,312	2,361	2,345	2,322	2,440	2,516	2,658	2,721
Missouri	17	15	4,835	4,940	4,985	5,129	5,141	5,309	5,458	5,650	5,749
Montana	11	15	723	748	707	802	783	846	803	864	882
Nebraska	14	8	1,451	1,496	1,508	1,515	1,566	1,523	1,542	1,648	1,671
Nevada	14	13	2,249	2,268	2,325	2,393	2,417	2,453	2,490	2,571	2,638
New Hampshire	10	14	1,045	1,080	1,075	1,125	1,141	1,170	1,171	1,207	1,215
New Jersey	11	7	7,834	8,008	8,036	8,158	8,624	8,601	8,786	8,926	8,945
New Mexico	12	8	1,555	1,536	1,550	1,624	1,668	1,689	1,662	1,691	1,720
New York	13	11	17,260	16,702	18,193	18,882	19,303	19,504	19,938	20,221	20,410
North Carolina	15	13	7,428	8,024	7,865	8,108	8,259	8,526	8,513	9,114	9,219
North Dakota	9	10	541	581	562	618	590	623	615	641	666
Northern Mariana Isl.	*	*	*	*	*	*	*	*	*	*	*
Ohio	14	14	9,357	9,565	9,456	10,059	10,236	10,511	10,936	11,134	11,398
Oklahoma	21	16	2,808	2,889	2,988	3,077	3,109	3,188	3,259	3,433	3,748
Oregon	11	9	3,007	3,084	3,112	3,235	3,297	3,340	3,355	3,427	3,463
Pennsylvania	16	12	9,895	10,214	10,455	10,867	11,070	11,424	11,401	11,595	11,723
Puerto Rico	6	7	2,502	2,624	2,706	2,807	2,879	3,014	3,004	2,989	2,969
Rhode Island	10	13	874	888	880	893	906	920	935	958	1,016
South Carolina	16	16	3,573	3,323	3,702	3,896	3,848	3,935	3,987	3,787	3,907
South Dakota	11	12	611	631	613	681	681	728	690	725	742
Tennessee	13	12	5,791	5,518	5,676	5,914	6,041	6,193	6,236	6,373	6,451
Texas	22	7	20,390	21,008	21,403	21,849	22,201	23,030	23,482	23,745	24,128
Utah	14	6	2,046	2,095	2,109	2,166	2,220	2,251	2,276	2,328	2,370
Vermont	8	19	421	435	398	463	431	485	471	509	521
Virgin Islands	*	*	*	*	*	*	*	*	117	117	*
Virginia	13	10	6,242	6,856	6,596	7,250	7,440	7,595	7,622	7,785	7,851
Washington	13	9	5,461	5,624	5,671	5,816	5,965	6,022	6,118	6,259	6,325
West Virginia	17	25	1,236	1,295	1,315	1,401	1,406	1,500	1,506	1,662	1,687
Wisconsin	15	12	3,966	4,265	4,317	4,546	4,599	4,730	4,895	4,939	4,961
Wyoming	13	12	457	484	429	517	501	526	514	533	542
Nationwide	191	11 %	255,729	261,284	265,332	274,283	278,918	285,118	290,318	298,281	303,052

* = Data withheld to maintain firm confidentiality. Some previously published data for June 2011 have been revised.

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

Table 19
Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers¹

Number of Providers ²	2008		2009		2010		2011		2012
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Zero	18.3 %	7.7 %	8.7 %	9.3 %	7.1 %	6.9 %	7.2 %	7.6 %	7.6 %
One	11.6	9.2	10.1	10.1	8.7	8.6	8.7	8.0	7.6
Two	8.6	7.8	7.9	7.6	7.4	7.6	7.6	6.5	6.6
Three	6.3	6.4	6.1	6.2	6.2	6.3	6.4	5.8	5.8
Four	5.0	5.4	5.4	5.2	5.2	5.5	5.5	5.3	5.1
Five	4.1	4.8	4.6	4.5	4.7	5.0	5.1	4.6	4.7
Six	3.5	4.2	4.0	3.8	4.2	4.2	4.3	4.5	4.1
Seven	3.2	3.6	3.4	3.5	3.6	3.7	4.0	3.6	3.7
Eight	3.0	3.2	3.1	3.0	3.4	3.5	3.4	3.3	3.3
Nine	2.7	2.8	2.6	2.7	2.8	3.0	3.0	3.1	3.2
Ten or More	33.6	44.7	44.0	44.0	46.6	45.7	44.8	47.7	48.3

Table 20
Percentage of Households in ZIP Codes with CLECs or Non-ILEC VoIP Providers¹

Number of Providers ²	2008		2009		2010		2011		2012
	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun
Zero	2.6 %	0.4 %	0.5 %	0.6 %	0.4 %	0.4 %	0.4 %	0.4 %	0.4 %
One	2.4	0.9	1.2	1.2	0.9	0.8	0.8	0.7	0.6
Two	2.4	1.2	1.3	1.3	1.0	1.1	1.1	0.8	0.8
Three	2.4	1.3	1.4	1.4	1.3	1.2	1.2	1.0	1.0
Four	2.2	1.3	1.5	1.5	1.3	1.3	1.3	1.1	1.0
Five	2.2	1.6	1.4	1.5	1.4	1.4	1.5	1.2	1.2
Six	2.1	1.7	1.5	1.5	1.3	1.5	1.4	1.2	1.2
Seven	2.3	1.8	1.5	1.6	1.4	1.5	1.7	1.3	1.3
Eight	2.8	1.7	1.8	1.6	1.6	1.8	1.6	1.4	1.4
Nine	2.7	1.6	1.6	1.7	1.6	1.5	1.5	1.5	1.5
Ten or More	75.9	86.6	86.2	86.1	87.9	87.4	87.6	89.4	89.5

Demographic data were created by geographically merging contemporaneous TomTom ZIP Code Boundary and Inventory Files with census block group-level population data from Census. Figures may not add to 100% due to rounding.

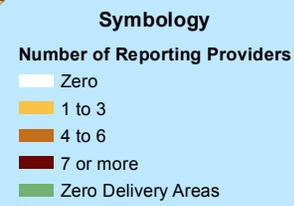
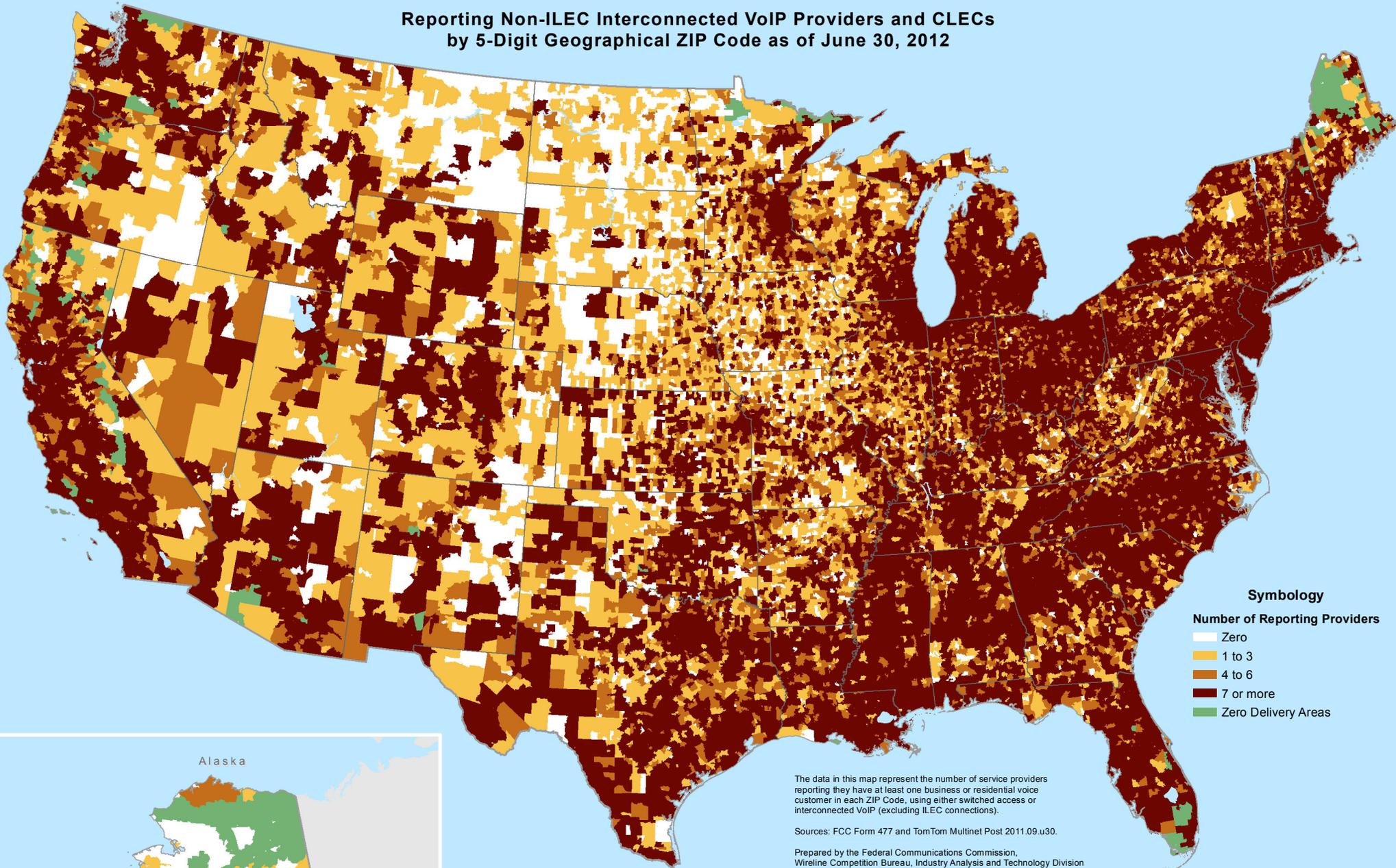
¹ See footnote 1, Table 1.

² 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 21
Percentage of ZIP Codes with CLECs or Non-ILEC VoIP Providers by State
as of June 30, 2012

State	Number of Providers								
	Zero	One - Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
Alabama	4 %	17 %	4 %	3 %	4 %	3 %	4 %	5 %	55 %
Alaska	61	26	2	2	1	2	0	2	1
Arizona	6	10	3	4	4	2	2	2	66
Arkansas	17	37	8	6	6	3	3	2	19
California	1	11	4	4	3	3	3	2	69
Colorado	10	24	4	2	2	2	3	2	50
Connecticut	0	5	4	4	6	6	5	7	64
Delaware	0	2	3	3	2	2	2	7	80
District of Columbia	0	11	7	4	0	0	0	0	79
Florida	0	3	2	3	2	2	1	2	84
Georgia	3	14	5	6	4	3	3	3	59
Hawaii	4	19	6	12	8	2	6	2	41
Idaho	8	34	6	6	4	8	4	3	27
Illinois	6	25	7	7	4	4	2	3	42
Indiana	4	16	9	8	6	4	5	4	45
Iowa	25	45	5	3	4	2	2	1	14
Kansas	14	38	5	3	4	4	2	4	26
Kentucky	8	27	6	7	7	6	4	5	30
Louisiana	3	12	4	6	4	3	3	4	62
Maine	5	25	8	6	9	6	6	6	29
Maryland	0	3	2	3	4	3	4	4	77
Massachusetts	0	3	2	2	2	1	2	4	84
Michigan	1	10	4	6	5	6	5	4	59
Minnesota	15	32	6	5	3	3	2	2	32
Mississippi	1	8	4	6	4	4	5	4	64
Missouri	19	31	6	5	4	3	2	2	28
Montana	39	37	3	2	2	1	1	2	14
Nebraska	20	48	5	5	3	2	2	1	14
Nevada	6	18	3	3	1	5	3	3	58
New Hampshire	0	4	2	5	8	7	8	5	60
New Jersey	0	0	1	0	1	1	1	2	93
New Mexico	22	31	5	7	3	4	1	1	26
New York	1	10	5	4	5	5	4	5	61
North Carolina	1	11	5	4	5	4	3	4	62
North Dakota	47	43	1	3	1	1	0	1	5
Ohio	1	4	4	6	4	6	5	5	65
Oklahoma	14	26	3	4	4	3	4	3	39
Oregon	8	23	7	6	5	3	3	3	43
Pennsylvania	2	16	6	6	5	4	5	3	54
Puerto Rico	0	8	5	13	15	19	18	13	8
Rhode Island	0	7	7	4	8	3	5	1	66
South Carolina	2	12	5	2	4	4	2	4	66
South Dakota	42	41	3	2	1	1	1	2	8
Tennessee	3	16	5	6	5	3	4	2	57
Texas	5	18	5	3	4	3	2	3	57
Utah	10	26	3	4	5	2	1	3	45
Vermont	1	26	14	9	8	6	8	6	22
Virginia	2	20	8	5	6	4	4	3	46
Washington	4	21	6	3	2	3	3	2	56
West Virginia	6	29	10	10	6	7	3	5	23
Wisconsin	8	30	8	5	4	4	5	4	32
Wyoming	13	48	7	3	3	3	2	1	19
Nationwide	8 %	20 %	5 %	5 %	4 %	4 %	3 %	3 %	48 %

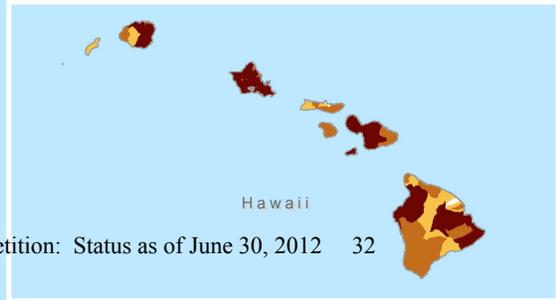
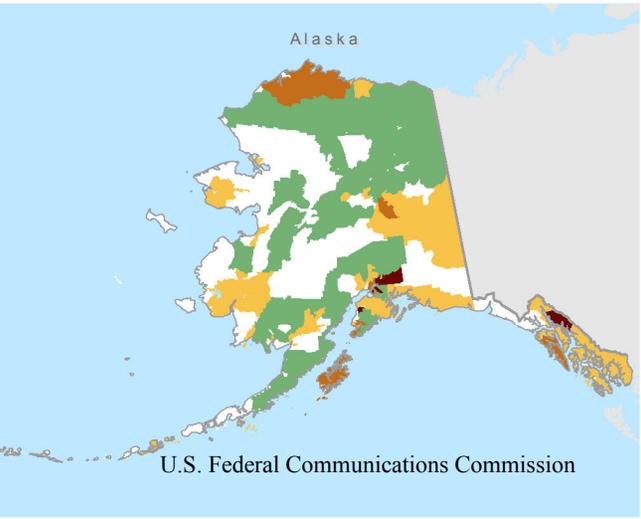
Reporting Non-ILEC Interconnected VoIP Providers and CLECs
by 5-Digit Geographical ZIP Code as of June 30, 2012



The data in this map represent the number of service providers reporting they have at least one business or residential voice customer in each ZIP Code, using either switched access or interconnected VoIP (excluding ILEC connections).

Sources: FCC Form 477 and TomTom Multinet Post 2011.09.u30.

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



Technical Notes

General

Detailed information about FCC Form 477 reporting requirements is available at www.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 (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.

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.

ZIP Code-based information

- 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. This contrasts with the census tract-based broadband reporting requirements the Commission adopted in 2008.

- The report includes summary statistics of the presence of competitors to the ILEC, or ILECs, in individual ZIP Codes. These entities are CLECs or interconnected VoIP providers who are not affiliated with the ILEC, or ILECs, who serve end users in that ZIP Code. However, 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.

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.
ZIP Code	A five-digit geographical ZIP Code.

Customer Response

Publication: *Local Telephone Competition: Status as of June 30, 2012*

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