AT&T KY PSC Docket No. 2010 - 00398 **RLECs Second Data Requests** August 5, 2011 Item No. 1 Page 1 of 1

REQUEST:

Does AT&T or any of its affiliates offer access to broadband internet services (defined here as service providing a bandwidth of 4 megabits per second ("Mbps") or greater) on a stand-alone basis? For example, can an end-user customer of AT&T or any of its affiliates purchase broadband internet services without also subscribing to local, long distance, or wireless service(s) from AT&T or any of its affiliates? If so, please specifically identify the name or designation of such plan(s), and provide a detailed description of the terms and conditions (including pricing, term commitments, and minute or data volume (e.g., bit) limitations) associated with such plan(s).

RESPONSE: AT&T objects to this request as being irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. Without waiving this objection, AT&T states that it does offer "stand-alone" broadband services, which plans are publicly available at:

> http://www.wireless.att.com/cell-phoneservice/specials/netbooks.jsp?wtSlotClick=1-005P5S-0-4 and http://www.att.com/shop/internet

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REQUEST:

What is the minimum bandwidth that AT&T associates with the term "broadband," as used throughout its testimony, comments, discovery responses, and other filings ("filings") in this matter? Please identify the authority for AT&T's definition of "broadband" in that manner, and please indicate whether the authority is consistent with the FCC's current bandwidth definition of "broadband" services. If AT&T's usage of "broadband" is inconsistent (from a bandwidth, or other, perspective) with the FCC's current definition of "broadband," please identify all instances in previous filings where AT&T's use of the term "broadband" should be modified, and please explain how those instances should be modified.

RESPONSE: Objection. This request is overly broad and virtually impossible to answer without knowing each and every reference of "broadband" to which the request refers. In addition, the request does not set forth the FCC's "current bandwidth definition" to which it refers. Without waiving this objection, AT&T states that references to the term "broadband," as used in testimony, comments, discovery responses and other filings in this docket unless otherwise noted, are not specific to a minimum broadband bandwidth.

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REQUEST: Please state whether AT&T considers its wireless EDGE, 3G, and 3GS technologies to be broadband technologies, as the term "broadband" is used by the FCC.

RESPONSE: AT&T objects to this request as being irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. In addition to the Kentucky Public Service Commission having no jurisdiction over wireless services, AT&T's wireless technologies are not at issue in this case and have no relevance to whether the RLECs' intrastate switched access charges should be reduced to the equivalent rates and structure of their interstate switched access charges.

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REQUEST: Please identify the bandwidth provided by AT&T's wireless EDGE technology, its wireless 3G technology, its wireless 3GS technology, and any other wireless data transmission technologies available or planned to be available in Kentucky during the next three (3)years.

RESPONSE: AT&T objects to this request as being irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. In addition to the Kentucky Public Service Commission having no jurisdiction over wireless services, AT&T's wireless technologies are not at issue in this case and have no relevance to whether the RLECs' intrastate switched access charges should be reduced to the equivalent rates and structure of their interstate switched access charges.

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REQUEST: Please provide coverage maps showing the current availability of AT&T's wireless EDGE, 3G, 3GS, and other data transmission service(s) in Kentucky.

RESPONSE: AT&T objects to this request as being irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. In addition to the Kentucky Public Service Commission having no jurisdiction over wireless services, AT&T's wireless coverage is not at issue in this case and has no relevance to whether the RLECs' intrastate switched access charges should be reduced to the equivalent rates and structure of their interstate switched access charges.

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REQUEST: Please provide coverage maps showing the current availability of T-Mobile (and T-Mobile affiliate) wireless EDGE, 3G, 3GS, and other

data transmission service(s) in Kentucky.

RESPONSE: AT&T objects to this request as being irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. In addition to the Kentucky Public Service Commission having no jurisdiction over wireless services, information regarding T-Mobile and T-Mobile affiliates should be obtained from T-Mobile and not AT&T. Furthermore, T-

should be obtained from T-Mobile and not AT&T. Furthermore, T-Mobile's wireless coverage is not at issue in this case and has no relevance to whether the RLECs' intrastate switched access charges should be reduced to the equivalent rates and structure of their interstate switched

access charges.

AT&T KY PSC Docket No. 2010 - 00398 RLECs Second Data Requests August 5, 2011 Item No. 7 Page 1 of 1

REQUEST: Please provide coverage maps showing the anticipated availability of wireless EDGE, 3G, 3GS, and other data transmission service(s) as of January 2014, or as close to that date as is currently planned or projected for Kentucky.

RESPONSE: AT&T objects to this request as being irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. The request is also vague and unclear. In addition to the Kentucky Public Service Commission having no jurisdiction over wireless services, wireless coverage is not at issue in this case and has no relevance to whether the RLECs' intrastate switched access charges should be reduced to the equivalent rates and structure of their interstate switched access charges.

AT&T KY PSC Docket No. 2010 - 00398 RLECs Second Data Requests August 5, 2011 Item No. 8 Page 1 of 1

REQUEST: Identify all flat-rate calling plans that AT&T or any of its affiliates offer in Kentucky for long distance calls? Please specifically identify the name or designation of such plan(s), and provide a detailed description of the terms and conditions (including pricing, term commitments, and minute limitations) associated with such plan(s). For purposes of this request and any others using the term "flat-rate calling plans," "flat-rate calling plans" shall mean a calling plan by which a customer pays a flat amount for a set number of long distance minutes, without regard to the inter- or intrastate nature of the calls to be made.

RESPONSE: Objection. The information requested is overly broad and is information that is publicly available to the RLECs. Without waiving this objection, information regarding AT&T service offerings can be found at http://www.att.com.

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REQUEST: If AT&T has any flat-rate calling plans in Kentucky, please identify the

percentage of the long distance customer base that currently subscribes to

such plans where they are offered.

RESPONSE: The percentage of the long distance customer base that currently

subscribes to flat rate calling plans as defined in Item No. 8 is 2.8%.

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REQUEST:

With respect to Dr. Oyefusi's testimony at page 14, lines 10-15, please identify all concrete and specific examples known to AT&T or its affiliates whereby any of the RLECs has taken the actions theorized by Dr. Oyefusi. Dr. Oyefusi's testimony contains the economic theory underlying his suppositions; please provide any specific examples by which the RLECs have illustrated the concerns of this theory.

RESPONSE: The referenced discussion is a concern the FCC raised to support its push for the current national broadband initiative. The FCC expressed that this statement was based on evidence, and not theory as erroneously characterized in this request. Specifically, the FCC stated "[e]vidence indicates that the current [access] system is hindering progress to all IP networks." The FCC explained that "the current regime creates the perverse incentive to maintain and invest in legacy, circuit-switchedbased, time-division multiplexing (TDM) networks to collect intercarrier compensation revenue, hindering the transformation of America's **networks to broadband.**" It further stated, ".... current rules actually disincentivize something necessary for our global competitiveness: the transition from analog circuit-switched networks to IP networks."³ Conversely, the FCC recognized that "intercarrier compensation reform will encourage carriers to more rapidly deploy broadband facilities" and the advanced services those facilities carry.⁴

> As of the time of this response, based on publicly available information, it appears that some RLECs require the purchase of local POTS service in order for customers to obtain a broadband service, thereby potentially deterring customers from purchasing only broadband services.

⁴ *Id*. ¶ 506.

¹ See In re Connect America Fund: A National Broadband Plan For Our Future, 2011 WL 466775, ¶ 554 (Notice of Proposed Rulemaking, rel. Feb. 9, 2011) ("2011 NPRM"), ¶ 506 (emphasis added).

² *Id*. Emphasis added.

³ *Id*. \P 6.

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REQUEST:

Does AT&T propose to abolish carrier of last resort ("COLR") obligations for Kentucky incumbent local exchange carriers? If so, please explain how it proposes the statutory objective of universal service will be satisfied. If not, please explain how incumbent local exchange carriers will be able to meet their COLR obligations under the AT&T Plan.

RESPONSE: Objection. The information requested is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence. AT&T's proposed access plan submitted in this case does not address carrier of last resort obligations and such are not the subject of this case.

> Without waiving this objection, AT&T states that its plan establishes paths for recovery of the access revenue shift created by moving intrastate switched access rates to mirror each carrier's interstate switched access rates. First, the plan makes available the opportunity to increase local rates to a PSC determined benchmark rate. Essentially this permits the local service rate to move toward the cost of providing service in high cost areas. Second, the plan makes allowance for a Kentucky Universal Service Fund (USF) to recover portions of the access revenue shift that aren't recovered from local increases. Please see the AT&T plan for further details.

> Notwithstanding the above, there are public policy questions regarding the validity of a continued COLR requirement to provide traditional landline dial tone service when there is significant movement of customers to other technologies and the availability of other facility based carriers. AT&T's proposed access plan submitted in this case, however, does not address carrier of last resort obligations and such are not the subject of this case.

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REQUEST: Does AT&T contend that the historical customer migration from wireline long distance to intermodal alternatives such as wireless, VOIP, text, video chat, etc., has been driven solely by price considerations? If not, what other considerations have driven this migration? Please provide all studies or analyses performed by AT&T with respect to this subject matter.

RESPONSE: Objection. This request is overly broad and burdensome. Without waiving this objection, AT&T states that it has not asserted that customer migration was due "solely" to price disparities. AT&T recognizes that rate disparities are a contributing factor affecting demand decisions regarding migration among technologies, as are other factors including service characteristics such as mobility, convenience, call quality, customer service, and available features. To the extent these other factors may have caused and will continue to cause migration of lines or access minutes from wireline to other technologies, allowing the rate disparities to continue will exaggerate or exacerbate the identified decline and cause the collapse of the implicit subsidy system as predicted.

Many studies have addressed demand for wireline long distance service vis a vis other technologies, including, *e,g.*, Michael Ward and Glenn Woroch, "Usage Substitution between Mobile Telephone and Fixed line in the U.S.," University of Texas, Arlington, working paper (2004); Keith Mallinson, "Personal Wireless Calling Surpasses Wireline Calling: A Wireless Substitution Update," Yankee Group Report, August 2005; Rich Luhr and David Chamberlain, "Cutting the Cord: Consumer Profiles and Carrier Strategies for Wireless Substitution," In- Stat/MDR Report, October 2005; and Amy Cravens, "Cutting the Cord: Consumer Wireline Erosion," In-Stat, December 2005; and Caves, Kevin W., Quantifying Price-Driven Wireless Substitution in Telephony (December 1, 2010). Available at SSRN: http://ssrn.com/abstract=1670433.

AT&T KY PSC Docket No. 2010 - 00398 RLECs Second Data Requests August 5, 2011 Item No. 13 Page 1 of 1

REQUEST: Which RLECs does AT&T contend are engaged in "call pumping," 'phantom traffic,' and similar arbitrage schemes?" (*See* Test. Of O. Oyefusi at 25:3-9.)

RESPONSE: Objection. The request contains a false assumption regarding AT&T's contentions and, therefore, cannot be responded to as written. Without waiving this objection, AT&T states that the referenced testimony does not assert that any RLEC in the proceeding is involved in "call pumping," 'phantom traffic,' and similar arbitrage schemes." There have been many instances across the country, however, where some LECs have been found to be involved in these types of schemes. See AT&T Letter dated October 27, 2009, to Congress regarding traffic pumping schemes, attached as Attachment 1 to AT&T Responses to RLEC First Data Request No. 14. See also, In re Qwest Communications Corp. v. Superior Telephone Coop., et al., Iowa Department of Commerce, Utilities Division Docket No. FCU-07-2 (Qwest complaint, in which AT&T and Sprint intervened, against 10 rural carriers alleging that the carriers and their free calling partners engaged in illegal traffic stimulation activities that violate Iowa law, the carriers' tariffs and their certificates).

There have also been allegations of "traffic pumping" in Kentucky. *See*, *e.g.*, *In the Matter of Complaint of Sprint Communications Company L.P. against Bluegrass Telephone Company, Inc. d/b/a Kentucky Telephone Company for the Unlawful Imposition of Access Charges*, Case No. 2010-00012 (case documents can be found at: http://psc.ky.gov/Home/Library?type=Cases&folder=2010%20cases/2010-00012.

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REQUEST: Please provide the analysis (including all work papers) that Dr.

Oyefusi testifies he performed in advocating a local rate benchmark

of between \$18.50 and \$23.50 for the Kentucky ICOs.

RESPONSE: See Attachment 1 to Item No. 14.

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1977-10-01 38.052 1.69%	1977-07-01	 38.009	1.38%																
1978-04-01 40.048 1.95%	1977-10-01					T		1											
1978-04-01 40.048 1.95%	1978-01-01	 39.290	1.65%			1													
1978-07-01	1978-04-01	 40.048						T			l			 					
1978-0-101	1978-07-01	 40.741	1.73%			1		T			[
1979-01-01 42:34 1.84% 1979-04-01 43:36 2.47% 1979-07-01 44:260 2.07% 1979-10-01 45:36 1.98% 1980-01-01 46:126 2.19% 1980-01-01 47:156 2.23% 1980-01-01 48:22 2.28% 1980-01-01 48:22 2.28% 1980-10-01 50:894 2.63% 1981-01-01 50:894 2.63% 1981-01-01 50:894 2.63% 1981-01-01 50:894 2.63% 1981-01-01 50:894 2.63% 1981-01-01 50:894 1.47% 1982-01-01 50:894 1.47% 1982-01-01 50:894 1.47% 1982-01-01 50:894 1.47% 1982-01-01 50:870 1.39% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1982-01-01 56:483 1.09% 1983-01-01 56:484 0.68%								T		T									
1979-0-01 43.364 2.43%	1979-01-01	 42.334	1.84%			1	† · · · · · · · · · · · · · · · · · · ·	Ť		†***********************	l			 			T	· · · · · · · · · · · · · · · · · · ·	
1979-10-70-1		 43.364	2.43%																
1979-10-01 45-136 1.98%	1979-07-01	 44.260	2.07%			1	T	T		T	I			 			T		
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1983-07-01] 57.947 1.02%	1983-04-01	 57.362			1		1	 		-			 	 			-		
	1983-07-01	57.947	1.02%		1 1 1						l								

1983-10-01	58.366	0.72%															
1984-01-01	59.091	1.24%															
1984-04-01	59.624	0.90%	1					1									
1984-07-01	60.111	0.82%	l									<u> </u>					
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				83%	83% 83%	83%		ļ						83%			
1985-04-01	61.471	0.51%						ļ									
1985-07-01	61.763	0.48%															
1985-10-01	62.142	0.61%															
1986-01-01	62.457	0.51%															
1986-04-01	62.769	0.50%						-									
1986-07-01	63.165	0.63%	 											+			
1986-10-01	63.622	0.72%						 			 	 	 				
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1987-01-01	64.122	0.79%	I				L	ļ							l		
1987-04-01	64.482	0.56%															
1987-07-01	64.990	0.79%															
1987-10-01	65.456	0.72%						T							r r		
1988-01-01	65.982	0.80%															
1988-04-01	66.618	0.96%	l					-						+			
1988-07-01	67.408	1.19%						ļ				-					
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1989-01-01	68.662	1.04%						L							LL		
1989-04-01	69.346	1.00%															
1989-07-01	69.816	0.68%						1									
1989-10-01	70.256	0.63%															
1990-01-01	71.109	1.21%	1					1									
1990-04-01	71.936	1.16%				 	l	 			 	 	 	+	 		
1990-04-01	72.604	0.93%	 	ļI	<u> </u>	-		 		l	 						
1990-07-01	72.604	0.93%						-									
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1991-01-01	73.985	1.07%						ļ							L		
1991-04-01	74.503	0.70%													I		
1991-07-01	75.067	0.76%					I										
1991-10-01	75.492	0.57%															
1992-01-01	75.919	0.57%															
1992-04-01	76.371	0.60%	l					 				-		+	 		
1992-04-01	76.710	0.44%		·				ļ									
1992-07-01																	
1992-10-01	77.146	0.57%						ļ							L		
1993-01-01	77.620	0.61%	I				L	ļ			<u> </u>				l		
1993-04-01	78.042	0.54%													L		
1993-07-01	78.409	0.47%		L				l							l		
1993-10-01	78.816	0.52%															
1994-01-01	79.250	0.55%						1									
1994-04-01	79.633	0.48%						†*****************									
1994-07-01	80.080	0.56%															
1994-10-01	00.000	0.0070								l							
		0.520/					l	1					 		1		
	80.503	0.53%															
1995-01-01	80.985	0.60%															
1995-01-01 1995-04-01	80.985 81.346	0.60% 0.45%															
1995-01-01 1995-04-01 1995-07-01	80.985 81.346 81.691	0.60% 0.45% 0.42%															
1995-01-01 1995-04-01 1995-07-01 1995-10-01	80.985 81.346 81.691 82.110	0.60% 0.45% 0.42% 0.51%															
1995-01-01 1995-04-01 1995-07-01 1995-10-01	80.985 81.346 81.691 82.110	0.60% 0.45% 0.42% 0.51%					35%										
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01	80.985 81.346 81.691 82.110 82.554	0.60% 0.45% 0.42% 0.51% 0.54%					35%										
1995-01-01 1995-04-01 1995-07-01 1995-01-01 1996-01-01 1996-04-01	80.985 81.346 81.691 82.110 82.554 82.859	0.60% 0.45% 0.42% 0.51% 0.54%					35%										
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-07-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269	0.60% 0.45% 0.42% 0.51% 0.54% 0.37% 0.49%					35%										
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-10-1 1996-04-01 1996-07-01 1996-10-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650	0.60% 0.45% 0.42% 0.51% 0.51% 0.37% 0.49% 0.46%					35%				200	D/ 230/ 0000			220/		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-10-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075	0.60% 0.45% 0.42% 0.51% 0.54% 0.37% 0.49% 0.49%					35%		33%		33% 33	% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-10-01 1997-04-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450	0.60% 0.45% 0.42% 0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.46%					35%		33%		33% 33	% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-01-01 1996-07-01 1997-01-01 1997-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686	0.60% 0.45% 0.42% 0.54% 0.54% 0.57% 0.49% 0.46% 0.61% 0.61% 0.45%					35%		33%		33% 33	% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-07-01 1997-07-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.37% 0.46% 0.46% 0.51% 0.45% 0.45% 0.28% 0.38%							33%			33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-01-01 1996-10-01 1997-04-01 1997-07-01 1997-01-01	80,985 81,346 81,691 82,110 82,554 82,859 83,269 83,650 84,075 84,450 84,686 85,007 85,134	0.60% 0.45% 0.42% 0.51% 0.51% 0.54% 0.37% 0.49% 0.65% 0.46% 0.51% 0.46% 0.51% 0.48% 0.51% 0.48%					35%		33%		33% 33	33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-07-01 1997-01-01 1997-04-01 1997-04-01 1997-01-01 1998-04-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.37% 0.46% 0.46% 0.51% 0.45% 0.45% 0.28% 0.38%							33%			% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-01-01 1997-01-01 1997-04-01 1997-07-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007 85.334	0.60% 0.45% 0.42% 0.51% 0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.05% 0.15% 0.45% 0.25%							33%			33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-10-01 1996-01-01 1996-04-01 1996-01-01 1997-01-01 1997-04-01 1997-07-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007 85.134 85.663	0.60% 0.45% 0.42% 0.51% 0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28% 0.45% 0.28% 0.38% 0.15% 0.25%							33%			% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.544 85.663 85.663 85.663	0.60% 0.45% 0.42% 0.51% 0.51% 0.54% 0.37% 0.49% 0.49% 0.46% 0.51% 0.05% 0.25% 0.28% 0.28%	306. 300									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007 85.134 85.663 85.888 86.252	0.60% 0.45% 0.42% 0.51% 0.54% 0.37% 0.48% 0.48% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.25% 0.25% 0.25% 0.25% 0.26% 0.37%	30% 30%					30%				% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.554 82.554 82.559 83.269 83.3650 84.075 84.450 85.007 85.134 85.663 85.663 85.888 86.252 86.615	0.60% 0.42% 0.42% 0.51% 0.54% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.26% 0.42% 0.30% 0.42% 0.42% 0.42% 0.42% 0.42% 0.42% 0.42% 0.42%	30% 30%									33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.269 84.075 84.450 84.686 85.007 85.134 85.663 85.663 86.888 86.252 86.615	0.60% 0.45% 0.42% 0.51% 0.54% 0.37% 0.49% 0.49% 0.46% 0.55% 0.28% 0.33% 0.15% 0.28% 0.37% 0.26% 0.42% 0.30% 30%	30% 30%									% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01	80.985 81.936 81.691 82.514 82.554 82.559 83.269 83.369 84.075 84.450 85.007 85.134 85.344 85.344 85.663 85.663 86.252 86.615 86.919	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.51% 0.45% 0.25% 0.25% 0.37% 0.25% 0.37% 0.26% 0.37% 0.42% 0.30% 0.42% 0.35% 0.42% 0.35%	30% 30%									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.629 84.075 84.450 84.450 85.007 85.134 85.663 85.688 86.252 86.615 86.919 87.275	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.51% 0.45% 0.25% 0.25% 0.37% 0.25% 0.37% 0.26% 0.37% 0.42% 0.30% 0.42% 0.35% 0.42% 0.35%	30% 30%									% 33% 33%			33%	27%	
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-07-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1998-04-01 1998-04-01 1998-04-01 1998-04-01 1998-04-01 1998-04-01 1998-04-01 1998-04-01 1998-04-01 1999-07-01	80.985 81.936 81.691 82.110 82.554 82.2559 83.269 83.269 83.650 84.075 84.450 85.007 85.134 85.344 85.344 85.663 86.252 86.615 86.919 87.275 87.939 88.336	0.60% 0.45% 0.42% 0.51% 0.51% 0.54% 0.51% 0.54% 0.051% 0.49% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.26% 0.25% 0.25% 0.35% 0.25% 0.35% 0.42% 0.35% 0.42% 0.35% 0.42% 0.35%	30% 30%									% 33% 33%	5		33%	27%	
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.629 84.075 84.450 84.450 85.007 85.134 85.663 85.688 86.252 86.615 86.919 87.275	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.51% 0.45% 0.25% 0.25% 0.25% 0.37% 0.26% 0.37% 0.26% 0.35% 0.35% 0.42% 0.35%	30% 30%									% 33% 33%	5		33%	27%	
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.269 84.075 84.450 84.686 85.007 85.134 85.663 85.888 86.252 86.919 87.275 87.939 88.386	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.37% 0.49% 0.49% 0.46% 0.51% 0.55% 0.45% 0.25% 0.38% 0.15% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.35% 0.15% 0.55% 0.76% 0.42% 0.35% 0.41% 0.55%	30% 30%									% 33% 33%	5		33%	27%	
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01	80.985 81.934 81.691 82.110 82.554 82.259 83.269 83.269 83.269 84.450 84.450 85.007 85.134 85.663 85.344 85.663 86.252 86.615 86.919 87.275 87.275 88.386 88.908	0.60% 0.45% 0.42% 0.54% 0.54% 0.55% 0.49% 0.49% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.28% 0.38% 0.15% 0.25% 0.25% 0.37% 0.26% 0.35% 0.42% 0.36% 0.37% 0.06% 0.96%	30% 30%									% 33% 33%	5		33%		
1995-01-01 1995-07-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.154 82.2554 82.2559 83.269 83.3650 84.4705 84.450 85.007 85.134 85.544 85.663 85.663 86.252 86.615 87.235 87.235 87.235 88.386 89.389 88.398	0.60% 0.45% 0.42% 0.51% 0.54% 0.54% 0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28% 0.28% 0.38% 0.15% 0.25% 0.38% 0.15% 0.42% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55%	30% 30%									% 33% 33%			33%	27%	
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.554 82.259 83.269 83.369 84.075 84.450 85.007 85.134 85.344 85.344 85.663 85.888 86.252 86.615 87.275 87.275 87.295 88.998 89.359 89.359	0.60% 0.45% 0.42% 0.54% 0.54% 0.54% 0.54% 0.051% 0.49% 0.49% 0.46% 0.051% 0.45% 0.28% 0.38% 0.15% 0.28% 0.38% 0.15% 0.28% 0.38% 0.15% 0.25% 0.37% 0.06% 0.07% 0.06%	30% 30%									% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.151 82.254 82.859 83.859 83.650 84.450 85.007 85.134 85.663 85.007 85.144 85.663 85.888 86.252 86.615 87.275 87.295 87.295 87.939 88.386 89.359 89.359 89.977 90.603	0.60% 0.45% 0.42% 0.51% 0.54% 0.51% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.25% 0.25% 0.25% 0.33% 0.15% 0.42% 0.35% 0.42% 0.35% 0.42% 0.35% 0.42% 0.55% 0.42% 0.55% 0.45% 0.55% 0.45% 0.55%	30% 30%									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01 1900-01-01	80.985 81.346 81.934 81.931 82.110 82.554 82.259 83.269 83.369 84.075 84.450 85.364 85.364 85.364 85.363 85.888 85.888 86.252 86.615 86.919 87.275 87.275 88.396 88.998 89.977 90.603 90.891	0.60% 0.45% 0.42% 0.51% 0.54% 0.37% 0.49% 0.49% 0.46% 0.051% 0.051% 0.055% 0.28% 0.15% 0.28% 0.15% 0.28% 0.37% 0.28% 0.37% 0.25% 0.37% 0.26% 0.37% 0.26% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.35% 0.41% 0.51% 0.55% 0.51% 0.55%	30% 30%									% 33% 33%	5		33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.554 82.559 83.269 83.269 83.650 84.075 84.450 85.007 85.134 85.344 85.663 85.663 85.663 86.252 86.615 86.919 87.275 87.295 88.396 88.396 89.359 90.603 90.603	0.60% 0.42% 0.42% 0.51% 0.54% 0.51% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.25% 0.25% 0.33% 0.38% 0.25% 0.37% 0.42% 30% 30% 30% 30% 0.42% 0.35% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.55% 0.42% 0.55% 0.55% 0.42% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55%	30% 30%									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01	80.985 81.346 81.934 81.931 82.110 82.554 82.259 83.269 83.369 84.075 84.450 85.364 85.364 85.364 85.363 85.888 85.888 86.252 86.615 86.919 87.275 87.275 88.396 88.998 89.977 90.603 90.891	0.60% 0.45% 0.42% 0.42% 0.51% 0.54% 0.37% 0.49% 0.46% 0.45% 0.37% 0.45% 0.05% 0.15% 0.45% 0.25% 0.38% 0.15% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.25% 0.37% 0.51% 0.51% 0.51% 0.51% 0.51% 0.51% 0.55% 0.37% 0.42% 0.35% 0.42% 0.35% 0.45% 0.55% 0.55% 0.41% 0.55% 0.55% 0.55% 0.55% 0.76% 0.51% 0.55%	30% 30%									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.554 82.859 83.269 83.369 84.075 84.450 84.686 85.007 85.134 85.544 85.663 86.252 86.615 86.919 87.275 87.939 88.396 89.359 89.957 90.603 90.891 91.144 91.469	0.60% 0.42% 0.42% 0.51% 0.54% 0.51% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.25% 0.25% 0.33% 0.38% 0.25% 0.37% 0.42% 30% 30% 30% 30% 0.42% 0.35% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.55% 0.42% 0.55% 0.55% 0.42% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55%	30% 30%									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1995-01-01 1996-07-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01 1990-01-01	80.985 81.936 81.691 82.110 82.1514 82.554 82.859 83.269 83.3690 84.075 84.450 85.344 85.344 85.344 85.344 85.888 86.252 86.615 86.919 87.275 87.939 88.386 88.998 89.977 90.603	0.60% 0.45% 0.42% 0.51% 0.54% 0.51% 0.54% 0.95% 0.49% 0.46% 0.51% 0.45% 0.51% 0.45% 0.22% 0.33% 0.15% 0.25% 0.25% 0.35% 0.42% 0.35% 0.42% 0.35% 0.42% 0.55% 0.65% 0.42% 0.55% 0.65% 0.42% 0.76% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65% 0.65%	30% 30%									% 33% 33%			33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.154 82.2554 82.859 83.269 83.369 84.470 84.480 84.480 84.686 85.007 85.134 85.544 85.663 85.888 86.252 86.615 86.919 87.275 87.939 88.386 89.359 89.977 90.603 90.891 91.144 91.469 91.873	0.60% 0.42% 0.42% 0.51% 0.54% 0.37% 0.49% 0.49% 0.49% 0.46% 0.51% 0.51% 0.45% 0.22% 0.38% 0.15% 0.22% 0.38% 0.15% 0.25% 0.37% 0.26% 0.42% 0.35% 0.15% 0.55% 0.37% 0.26% 0.42% 0.35% 0.45% 0.55% 0.37% 0.46% 0.45% 0.55% 0.47% 0.55% 0.55% 0.47% 0.55% 0.47% 0.55% 0.47% 0.55% 0.55% 0.44% 0.45% 0.55%	30% 30%									% 33% 33%		4100	33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.554 82.554 82.2559 83.269 83.3650 84.075 84.450 85.007 85.134 85.344 85.663 86.252 86.615 86.919 87.275 87.939 88.386 88.908 89.359 89.977 90.603 90.891 91.144 91.469 91.873 92.282	0.60% 0.45% 0.42% 0.51% 0.51% 0.51% 0.54% 0.95% 0.49% 0.49% 0.45% 0.51% 0.45% 0.22% 0.33% 0.15% 0.25% 0.33% 0.15% 0.25% 0.35% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.37% 0.42% 0.51% 0.51% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.44% 0.55% 0.59% 0.59% 0.59% 0.59% 0.70% 0.69% 0.70% 0.32% 0.69% 0.70% 0.69% 0.70% 0.69% 0.70% 0.69% 0.70% 0.70% 0.70% 0.70% 0.70% 0.70% 0.70% 0.95% 0.95% 0.95%	30% 30%									% 33% 33%	19% 19% 19%	6 19%	33%		
1995-01-01 1995-07-01 1995-07-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.154 82.2554 82.2559 83.269 83.3650 84.4705 84.480 85.3650 85.364 85.544 85.6631 86.919 87.275 87.939 88.986 89.989 89.977 90.603 90.891 91.144 91.469 91.673 92.282 92.288 93.591	0.60% 0.45% 0.42% 0.51% 0.54% 0.55% 0.49% 0.64% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.28% 0.38% 0.15% 0.25% 0.38% 0.15% 0.25% 0.37% 0.25% 0.37% 0.25% 0.35% 0.55% 0.55% 0.55% 0.42% 0.55% 0.55% 0.42% 0.55% 0.42% 0.55% 0.55% 0.44% 0.45% 0.55% 0.55% 0.55% 0.44% 0.55%	30% 30%									33% 33%		6 19%	33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1996-07-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.554 82.2554 82.2559 83.269 83.3650 84.475 84.450 85.344 85.663 85.007 85.134 85.344 85.663 86.252 86.615 86.919 87.275 87.939 88.386 88.908 89.977 90.603 90.891 91.144 91.469 91.873 92.282 92.628 93.5501	0.60% 0.45% 0.42% 0.51% 0.51% 0.51% 0.51% 0.51% 0.49% 0.49% 0.49% 0.46% 0.51% 0.45% 0.28% 0.33% 0.15% 0.25% 0.25% 0.33% 0.15% 0.25% 0.37% 0.26% 0.35% 0.05% 0.55% 0.42% 0.35% 0.42% 0.35% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.44% 0.55% 0.59%	30% 30%									33% 33%		6 19%	33%		
1995-01-01 1995-07-01 1995-07-01 1995-07-01 1995-07-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.110 82.154 82.2554 83.269 83.3650 84.475 84.450 84.450 85.007 85.134 85.544 85.663 85.007 86.114 85.663 86.252 86.615 86.919 87.275 87.295 88.386 89.359 99.891 91.144 91.479 91.873 92.282 93.501 94.304	0.60% 0.45% 0.42% 0.51% 0.54% 0.51% 0.54% 0.95% 0.49% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.28% 0.28% 0.28% 0.28% 0.25% 0.25% 0.25% 0.25% 0.25% 0.55% 0.42% 0.55% 0.42% 0.55% 0.45% 0.55% 0.41% 0.76% 0.51% 0.51% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55% 0.55%	30% 30%									% 33% 33%		6 19%	33%		
1995-01-01 1995-04-01 1995-07-01 1995-07-01 1995-07-01 1996-07-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-07-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	80.985 81.346 81.691 82.110 82.554 82.2554 82.2559 83.269 83.3650 84.475 84.450 85.344 85.663 85.007 85.134 85.344 85.663 86.252 86.615 86.919 87.275 87.939 88.386 88.908 89.977 90.603 90.891 91.144 91.469 91.873 92.282 92.628 93.5501	0.60% 0.45% 0.42% 0.51% 0.51% 0.51% 0.51% 0.51% 0.49% 0.49% 0.49% 0.46% 0.51% 0.45% 0.28% 0.33% 0.15% 0.25% 0.25% 0.33% 0.15% 0.25% 0.37% 0.26% 0.35% 0.05% 0.55% 0.42% 0.35% 0.42% 0.35% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.42% 0.55% 0.44% 0.55% 0.59%	30% 30%									33% 33%		6 19%	33%		

2004-04-01 96.441 0.85%						
2004-07-01 97.146 0.73%						
2004-10-01 97.864 0.74%					 	
2005-01-01 98.774 0.93%						
					 	
2005-07-01 100.470 1.03%						
2005-10-01 101.312 0.84%						
2006-01-01 102.071 0.75%						
2006-04-01 102.980 0.89%						
2006-07-01 103.763 0.76%						
2006-10-01 104.237 0.46%	- 		 	 	 	
2007-01-01 105.366 1.08%						
2007-04-01 106.188 0.78%						
2007-07-01 106.709 0.49%						
2007-10-01 106.940 0.22%						
2008-01-01 107.454 0.48%			4%			
2008-04-01 108.295 0.78%						
2008-07-01 109.488 1.10%						
2008-10-01 109.154 -0.31%				 	 	
2009-10-01 109-154 -0.31%			00/		 	
2009-01-01 109.465 0.28%			2%			
2009-04-01 109.555 0.08%						
2009-07-01 109.759 0.19%						
2009-10-01 109.693 -0.06%						
2010-01-01 109.959 0.24%						
2010-04-01 110.485 0.48%						
2010-07-01 111.060 0.52%						
2010-10-01 111.166 0.10%					 	
2011-01-01 111.728 0.51%						
		0%			+	
% Change Since Rate Effective Date (Bus)						
% Change Since Rate Effective Date (Res) 30% 30% 30% 3	0% 83% 83% 83% 83%	31% 35% 30% 0%	33% 2% 4% 31% 33%	6 33% 33% 33% 19%	19% 19% 19%	83% 33% 24% 27%
Annual Inflation Rate 2.5% 2.5% 2.5% 2.	5% 3.2% 3.2% 3.2% 3.2%	2.4% 2.4% 2.5% 0.0%	2.3% 1.0% 1.3% 2.4% 2.3%	6 2.3% 2.3% 2.3% 2.4%	2.4% 2.4% 2.4%	3.2% 2.3% 2.4% 2.5%
		\$13.37 \$12.00 \$10.58 \$14.73				\$5.74 \$14.56 \$9.30 \$15.63
Initial Retail Rate (Bus) \$46.25 \$48.00 \$49.75 \$55		\$20.87 \$19.40 \$18.33 \$23.98				\$9.16 \$21.06 \$19.99 \$30.70 Min Max
Inflation Adjusted Rate (Res) - up to 1st Qtr 2011 \$21.96 \$23.25 \$24.55 \$16		\$17.55 \$16.24 \$13.70 \$14.73				\$10.49 \$19.35 \$11.55 \$19.86 \$10.23 \$24.55
Inflation Adjusted Rate (Bus) - up to 1st Qtr 2011 \$59.91 \$62.18 \$64.44 \$71	.25 \$17.90 \$24.66 \$25.12 \$15.35	\$27.39 \$26.26 \$23.74 \$23.98	\$32.96 \$17.99 \$23.95 \$27.69 \$35.02	2 \$35.55 \$36.08 \$36.61 \$19.60	\$20.73 \$25.57 \$19.19	\$16.73 \$21.06 \$19.99 \$30.70 \$15.35 \$71.25
						Total Lines
Res Lines 17,900	900 1,399 1,399 1,399 15,226	8,824 12,484 5,015 5,050	5,126 12,445 4,671 6,226 5,558	8 5,558 5,558 5,558 3,569	3,569 886 1,366	5,505 10,687 10,482 247,718 456,877
Bus Lines 12,319 12,319 12,319 12,319 12,319		1,986 1,568 1,119 999				1,254 1,092 4,576 114,634 192,873
KY State Wt.	510 101 101 101 1,111	1,000 1,000	000 2,100 010 1,120 1,011	1,011 1,011 1,011	000	1,201 1,002 1,010 111,001 102,010
Average KY State Wt.						
(adjusted) Average (Initial)						
Wt Value (Res) \$18.89 \$14.71 \$0.86 \$0.91 \$0.96 \$0		\$0.34 \$0.44 \$0.15 \$0.16				\$0.13 \$0.45 \$0.26 \$10.77
Wt Value (Bus) \$38.18 \$33.71 \$3.83 \$3.97 \$4.12 \$4	.55 \$0.04 \$0.05 \$0.05 \$0.36	\$0.28 \$0.21 \$0.14 \$0.12	\$0.09 \$0.23 \$0.05 \$0.16 \$0.18	8 \$0.19 \$0.19 \$0.19 \$0.07	7 \$0.07 \$0.04 \$0.04	\$0.11 \$0.12 \$0.47 \$18.25
Res \$0.66 \$0.70 \$0.74 \$0	149 \$0.02 \$0.03 \$0.03 \$0.19	\$0.26 \$0.33 \$0.12 \$0.16	\$0.19 \$0.29 \$0.15 \$0.19 \$0.20	0 \$0.21 \$0.21 \$0.21 \$0.09	\$0.10 \$0.02 \$0.03	\$0.07 \$0.34 \$0.21 \$8.47
Res \$0.66 \$0.70 \$0.74 \$0 Bus \$2.95 \$3.07 \$3.18 \$3	0.49 \$0.02 \$0.03 \$0.03 \$0.19 0.51 \$0.02 \$0.03 \$0.03 \$0.19	\$0.26 \$0.33 \$0.12 \$0.16 \$0.21 \$0.16 \$0.11 \$0.12				\$0.07 \$0.34 \$0.21 \$8.47 \$0.06 \$0.12 \$0.47 \$18.25

						Residential		
		Rate 1			Rate 2			Rate 3
			Effective			Effective		
	Rate	Exchange	Date	Rate	Exchange	Date	Rate	Effective Date
ILEC								
Ballard Telephone	\$7.40 \		1985					
	\$8.75		1985					
	\$9.15		1985					
Brandenburg Telephone		All exchanges	1985					
Cincinnati Bell		Rate Band 1	1999					
		Rate Band 2	1999	16.69				
		Rate Band 3	1999					
		Rate Band 4	1999	0 40.07		4000		
Duo County Telephone	•	All exchanges	1985		All exchanges	1998		
Foothills Rural		All exchanges	1985		All exchanges	1996		
Gearhart Communications aka Coalfields Telephone		All exchanges	1985		All exchanges	1999		
Highlands Telephone		All exchanges	1985		All exchanges	2011		
Logan Telephone		All exchanges	1985		All exchanges	1997		
Mountain Rural Telephone		All exchanges	1985		All exchanges	2009		
North Central Telephone	•	All exchanges	1985		All exchanges	2008		
Peoples Telephone		All exchanges	1985		All exchanges	1998		
South Central Rural Telephone	\$18.65		1985	\$16.65		1997		
	\$18.95		1985	\$16.95		1997		
	\$19.25		1985	\$17.25		1997		
FDC Looks County Tolombook	\$19.55 E		1985	\$17.55	Block D	1997		
TDS - Leslie County Telephone	•	Bledsoe, etc.	2003					
TDC Laudenest	\$12.25		2003					
FDS - Lewisport	\$10.65 L		2003					
TDS - Salem	\$10.91		2003 1985					
Thacker-Grigsby Telephone		All exchanges		¢14.50	All avabances	1007		
West Kentucky Rural Telephone	Not available	Ü	1985		All exchanges	1997		
Windstream East	Objects; overly	burdensome a	nd seeks infoi	\$15.63	_	2001		
Windstream West	Objects; overly	burdensome a	nd seeks infor	\$9.30		2001		

	_			Business		•
	Rate 1		Rate 2			Rate 3
		Effective		Effective		
	Rate Exchang	ge Date	Rate Exchange	Date	Rate	Effective Date
ILEC						
Ballard Telephone	\$9.80 Wickliffe	1985				
	\$13.50 Heath	1985				
	\$13.75 Kevil	1985				
Brandenburg Telephone	\$8.40 All exchange					
Cincinnati Bell	\$46.25 Rate Band					
	\$48.00 Rate Band 2		\$45.31			
	\$49.75 Rate Band 3					
	\$55.00 Rate Band					
Duo County Telephone	\$19.87 All exchange		\$20.87 All exchanges			
Foothills Rural	\$17.40 All exchange		\$19.40 All exchanges			
Gearhart Communications aka Coalfields Telephone	\$21.30 All exchange		\$18.33 All exchanges			
Highlands Telephone	\$15.98 All exchange		\$23.98 All exchanges			
Logan Telephone	\$22.00 All exchange		\$24.80 All exchanges			
Mountain Rural Telephone	\$16.38 All exchange	es 1985	\$17.63 All exchanges	2009		
North Central Telephone	\$18.03 All exchange	es 1985	\$23.03 All exchanges	2008		
Peoples Telephone	\$18.60 All exchange		\$21.10 All exchanges			
South Central Rural Telephone	\$28.35 Block A	1985	\$26.35 Block A	1997		
	\$28.75 Block B	1985	\$26.75 Block B	1997		
	\$29.15 Block C	1985	\$27.15 Block C	1997		
	\$29.55 Block D	1985	\$27.55 Block D	1997		
TDS - Leslie County Telephone	\$16.40 Bledsoe, etc					
	\$17.35 Dwarf	2003				
TDS - Lewisport	\$21.40 Lewisport	2003				
TDS - Salem	\$16.06 One-Party	2003				
Thacker-Grigsby Telephone	\$9.16 All exchange					
West Kentucky Rural Telephone	Not available All exchange		\$21.06 All exchanges			
Windstream East	Objects; overly burdensor	me and seeks infoi	\$30.70	2001		
Windstream West	Objects; overly burdensor	me and seeks infor	19.99	2001		

Calculating Low End of a Benchmark Range in Kentucky - Retail Rates Adjusted by GDPPI Inflation Factor

Kentucky					Sce	nario 1 -	All	Carriers				Scena	rio 2	2 - Remove	Ou	tliers < \$	10 R	ate
·	Acces Shift p Line Rural LECs (RLECs)							ation Ad	just	ed Res	Init	ial Histori	cal	Res Rates		ation Adj	uste	d Res
Rural LECs (RLECs)				Min		Max		Min		Max		Min		Max		Min		Max
LESLIE COUNTY TEL CO	\$	22.18	\$	11.55	\$	12.25		13.80	\$	14.64	\$	11.55	\$	12.25	\$	13.80	\$	14.64
LEWISPORT TEL CO	\$	9.31	\$	10.65	\$	10.65	\$	12.73	\$	12.73	\$	10.65	\$	10.65	\$	12.73	\$	12.73
SALEM TEL CO	\$	8.90	\$	10.91	\$	10.91	\$	13.04	\$	13.04	\$	10.91	\$	10.91	\$	13.04	\$	13.04
BALLARD RURAL COOP	\$	8.87	\$	7.40	\$	9.15	\$	13.52	\$	16.72		n/a		n/a		n/a		n/a
BRANDENBURG TEL CO	\$	15.68	\$	5.60	\$	5.60	\$	10.23	\$	10.23		n/a		n/a		n/a		n/a
DUO COUNTY TEL COOP	\$	11.68	\$	13.37	\$	13.37	\$	17.55	\$	17.55	\$	13.37	\$	13.37	\$	17.55	\$	17.55
FOOTHILLS RURAL COOP	\$	15.49	\$	12.00	\$	12.00	\$	16.24	\$	16.24	\$	12.00	\$	12.00	\$	16.24	\$	16.24
GEARHEART-COALFIELDS	\$	19.21	\$	10.58	\$	10.58	\$	13.70	\$	13.70	\$	10.58	\$	10.58	\$	13.70	\$	13.70
LOGAN TEL. COOP. INC	\$	8.00	\$	16.50	\$	16.50	\$	21.93	\$	21.93	\$	16.50	\$	16.50	\$	21.93	\$	21.93
MOUNTAIN RURAL COOP	\$	15.62	\$	10.63	\$	10.63	\$	10.85	\$	10.85	\$	10.63	\$	10.63	\$	10.85	\$	10.85
PEOPLES RURAL COOP	\$	17.30	\$	14.00	\$	14.00	\$	18.37	\$	18.37	\$	14.00	\$	14.00	\$	18.37	\$	18.37
SOUTH CENTRAL RURAL	\$	9.93	\$	16.65	\$	17.55	\$	22.13	\$	23.32	\$	16.65	\$	17.55	\$	22.13	\$	23.32
THACKER/GRIGSBY TEL	\$	17.02	\$	5.74	\$	5.74	\$	10.49	\$	10.49		n/a		n/a		n/a		n/a
WEST KENTUCKY RURAL	\$	9.73	\$	14.56	\$	14.56	\$	19.35	\$	19.35	\$	14.56	\$	14.56	\$	19.35	\$	19.35
HIGHLAND TEL COOP -KY	\$	12.71	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73
NORTH CENTRAL TEL COOP - KY	\$	10.53	\$	14.90	\$	14.90	\$	15.49	\$	15.49	\$	14.90	\$	14.90	\$	15.49	\$	15.49
Total RLECs																		
CINCINNATI BELL-KY	\$	0.95	\$	12.40	\$	18.95	\$	16.06	\$	24.55	\$	12.40	\$	18.95	\$	16.06	\$	24.55
WINDSTREAM KY WEST	\$	15.37	\$	9.30	\$	9.30	\$	11.55	\$	11.55		n/a		n/a		n/a		n/a
WINDSTREAM LEXINGTON	\$	5.74	\$	15.63	\$	15.63	\$	19.86	\$	19.86	\$	15.63	\$	15.63	\$	19.86	\$	19.86
WINDSTREAM LONDON	\$	5.74	\$	15.63	\$	15.63	\$	19.86	\$	19.86	\$	15.63	\$	15.63	\$	19.86	\$	19.86
Combined Windstream				\$1	5.38			\$1	9.52									
Total Price Cap																		
Blended Kentucky Rate Range			\$	14.05	\$	15.33	\$	18.03	\$	19.69	\$	14.60	\$	15.96	\$	18.57	\$	20.33
Statewide Weighted Average			\$1	4.71			\$18	8.89)		\$15	5.35	j		\$1	9.53	3	

Note: Statewide Average Includes only ICOs that are parties to this proceeding. Outliers in red font are removed from Scenario 2 analysis Line Counts from Financial Reports filed with the Commission

Calculating High End of Benchmark Range based on Comparability with Highest Urban Rates in Kentucky

Scenario 3 - Urban/Rural Comparability (Using 125% Factor)

Scenario 3 - Orban/Kurai Com	parability (USIIIG 125	70 F	actor		
		Cu	rrent	Ben	chmark
	Urban Area	Rat	te	Res	ults
Windstream	Lexington Louisville	\$	18.95	\$	23.69
AT&T Kentucky	(Rate Grp 5) Florence	\$	18.40	\$	23.00
Cincinatti Bell Telephone	(Rate Bd 1)	\$	16.95	\$	21.19

Title:	Gross Domestic Prod	uct: Chain-type	Price Index																					
Series ID:	GDPCTPI																							
Source:	U.S. Department of C	ommerce: Burea	au of Economi	c Analysis						İ	İ					İ		l						
	Gross Domestic Prod	uct	1	1																		1		
Seasonal Adjustment:	Seasonally Adjusted																							
	Quarterly																					I		
Units:	Index 2005=100															L						<u> </u>		
Date Range:	1947-01-01 to 2011-0									ļ	İ					I	ļ					<u> </u>		
	2011-06-24 10:46 AM		1	l	1																			
Notes:	A Guide to the Nation	al Income and F	roduct Accour	nts of the Unite	ed		1			ļ	ļ		1			l	1							
	States (NIPA) - (http:/	/www.bea.gov/n	ational/pdf/nip	aguid.pdf)	ļ		ļ			L	l	<u> </u>	<u> </u>			ļ	1							
Download URL:	http://research.stlouis	ed.org/fred2/se	ries/GDPCTPI	?cid=21																				
Qtr		uarterly % nange	CBT - Band 1 (1999)	CBT - Band	CBT - Band 3 (1999)	Band 4	Duo County Tel - All Exch, RG2 (1998)	Foothill Rural - All Exch, RG2 (1996)	Comm - All	Highland Tel All Exch (2011)	Logan Tel - All Exch (1997)	Rural - All	Tel - All	Tel - All	Rural - All Exch BlkA	Rural - All Exch BlkB	S. Central Rural - All Exch BlkC (1997)	Rural - All Exch BlkD	Bledsoe Exch	County Tel - Dwarf Exch	TDS, TDS, Lewisport Salem (2003) (2003)	West KY Rural (1997)	Windstream East (2000)	
1947-01-01			. (,	_ ()	(1000)	(1000)	()	()		(==,	(1001)		(====)	(1000)	(1001)	(,	(1001)	(,	(====)	(====)	(2000)	(,		-
1947-04-01		1.46%		-		+	1					<u> </u>				t	l					†		-
1947-07-01	13.823	1.68%				T	<u> </u>						1									1		
1947-10-01		2.05%				+	 	+		·	İ	<u> </u>	<u> </u>			t						1		-
1948-01-01	14.264	1.12%				1		1				T				İ						1		
1948-04-01	14.422	1.11%																						
1948-07-01	14.679	1.78%	D				T			1														
1948-10-01	14.676	-0.02%	,		1		1	1																
1949-01-01		-0.29%						1				1	1			1	1					1		
1949-04-01		-0.64%				1	1			l			1			1						1		
1949-07-01	14.419	-0.84%					1	1					1									1		
1949-10-01	14.416	-0.02%														1								
1950-01-01	14.362	-0.37%			1	T	1	1		I	I		1			T								
1950-04-01	14.421	0.41%																						
1950-07-01	14.714	2.03%																						
1950-10-01		1.70%																						
1951-01-01	15.480	3.45%									1					1								
1951-04-01	15.568	0.57%	5													ĺ								
1951-07-01	15.619	0.33%									1													
1951-10-01		1.29%									1													1
1952-01-01	15.838	0.11%	5				†	·		1	1											1		
1952-04-01	15.905	0.42%																					T	
1952-07-01		0.75%	5								1					1							T	
1952-10-01		0.35%		1			<u> </u>	·		i	1	1	1	i			1		1			1		
1953-01-01		0.09%									1					1							T	
1953-04-01	16.133	0.23%	5				1															1		1
1953-07-01	16.187	0.33%																						
1953-10-01	16.241	0.33%																						
1954-01-01	16.309	0.42%	, i																					
1954-04-01	16.334	0.15%																						
1954-07-01	16.324	-0.06%	,													1								
1954-10-01		0.12%																						
1955-01-01		0.39%																				1		
1955-04-01		0.55%														1								
1955-07-01	16.617	0.73%																						
1955-10-01	16.727	0.66%									[
1956-01-01		0.98%																				1		
1956-04-01	17.050	0.94%																						
1956-07-01		1.14%																						
1956-10-01	17.348	0.60%																						
1957-01-01		1.16%																				ļ		
1957-04-01		0.69%					1	1					1			1	1					1		
1957-07-01		0.78%		L	L		1			L	L		<u> </u>		L	ļ	ļ							
1957-10-01		0.53%														ļ								
1958-01-01		0.85%				1										ļ								
1958-04-01		0.43%						1														<u> </u>		
1958-07-01		0.25%		1		ļ										ļ							ļ	
1958-10-01		0.11%		ļ			ļ			ļ	ļ		ļ			ļ	-					ļ		
1959-01-01		0.37%								ļ	ļ													
1959-04-01		0.23%)	ļ			1	1		ļ	ļ	ļ				ļ								
1959-07-01		0.33%		ļ	-		-	1		ļ	ļ	ļ				ļ						ļ		
1959-10-01	18.446	0.42%						1		L			1			1	1					1		
1960-01-01		0.20%						1					1			1	-					1		
1960-04-01	18.561	0.42%						1					1			1						1		
1960-07-01		0.46%																						
1960-10-01		0.43%																				I		
1961-01-01		0.13%																						
1961-04-01	18.786	0.19%																						
1961-07-01		0.26%			1																			
1961-10-01		0.26%														L								
1962-01-01		0.57%																						
1962-04-01		0.25%																						
1962-07-01	19.091	0.27%	5																					
1962-10-01		0.36%	,																					
1963-01-01	19.213	0.28%	5																					
							-															•		

1963-04-01	19.232	0.10%									
1963-07-01	19.266	0.18%									
1963-10-01	19.382	0.60%									
1964-01-01	19.452	0.36%									
1964-04-01	19.518	0.34%		 		 	 	 	 	 	
1964-07-01	19.614	0.49%						 		 	
1964-10-01	19.704	0.46%		 	 	 	 	 	 	 	
1965-01-01	19.788	0.43%			 			 	 	 	
1905-01-01	19.700	0.43%		 			 	 	 	 	
1965-04-01	19.876	0.44%				 			 	 	
1965-07-01	19.963	0.44%			 	 			 	 	
1965-10-01	20.086	0.62%			 l						l
1966-01-01	20.209	0.61%									
1966-04-01	20.401	0.95%			 I					 	
1966-07-01	20.591	0.93%							 	 	
1966-10-01	20.772	0.88%							 	 	
1967-01-01	20.874	0.49%		 	 	 	 	 	 	 	
1967-04-01	21.002	0.61%			 	 		 	 	 	
		0.91%		 	 	 	 	 	 	 	
1967-07-01 1967-10-01	21.194	1.09%		 			 		 		
	21.426					 	 	 	 	 	
1968-01-01	21.658	1.08%									
1968-04-01	21.900	1.12%								 	
1968-07-01	22.111	0.96%									
1968-10-01	22.418	1.39%							- 1		
1969-01-01	22.644	1.01%									
1969-04-01	22.946	1.33%									
1969-07-01	23.279	1.45%									
1969-10-01	23.571	1.25%									
1970-01-01	23.898	1.39%							 		
1970-04-01	24.241	1.44%				 		 	 	 	
1970-07-01	24.432	0.79%	 			 		 	 	 	
1970-10-01	24.742	1.27%				 			 	 	
1971-01-01	25.115	1.51%	1	 		 		 	 	 	
1971-04-01		1.34%		 	 		 	 	 	 	
	25.451							 	 	 	
1971-07-01	25.705	1.00%			 	 			 	 	
1971-10-01	25.909	0.79%			 1						
1972-01-01	26.333	1.64%			 						
1972-04-01	26.486	0.58%							 		
1972-07-01	26.728	0.91%							 		1
1972-10-01	27.041	1.17%									
1973-01-01	27.394	1.31%							 	 	
1973-04-01	27.851	1.67%			 	 		 	 	 	
1973-07-01	28.383	1.91%		 	 	 	 	 	 	 	
1973-10-01	28.869	1.71%							 	 	
1974-01-01	29.465	2.06%						 	 	 	
1974-04-01	30.125	2.24%		 		 		 	 	 	
1974-07-01	31.063	3.11%						 	 	 	
1974-10-01	32.022	3.09%			 	 			 	 	
1975-01-01	32.760	2.30%		 						 	
1975-04-01	33.237	1.46%								 	
1975-07-01	33.857	1.87%									
1975-10-01	34.454	1.76%							- 1		
1976-01-01	34.841	1.12%									
1976-04-01	35.208	1.05%									
1976-07-01	35.680	1.34%									
1976-10-01	36.291	1.71%							 	 	
1977-01-01	36.901	1.68%				 		 	 		
1977-04-01	37.491	1.60%							 		
1977-07-01	38.009	1.38%							 	 	
1977-10-01	38.652	1.69%							 	 	
1978-01-01	39.290	1.65%				 			 	 	
1978-04-01	40.048	1.93%		 	 ·	 		 	 	 	
1978-07-01	40.046	1.73%			 	 	 	 	 	 	
					 	 	 	 	 	 	
1978-10-01 1979-01-01	41.571 42.334	2.04%	+	 	 	 	 -	 	 	 	
1979-04-01	43.364	2.43%			 	 			 	 	
1979-07-01	44.260	2.07%			 ļ	 			 	 	
1979-10-01	45.136	1.98%									
1980-01-01	46.126	2.19%			 	T			 T		
1980-04-01	47.156	2.23%							 		
1980-07-01	48.232	2.28%									
1980-10-01	49.591	2.82%									
1981-01-01	50.894	2.63%									
1981-04-01	51.802	1.78%							 	 	
1981-07-01	52.754	1.84%		 	 	 		 	 	 	
1981-10-01	53.674	1.74%			 	 		 	 	 	
1982-01-01	54.430	1.41%				 			 	 	
1982-04-01	55.105	1.24%	 	 	 				 	 	
1982-07-01	55.870	1.39%			 	 	 	 	 	 	
1982-10-01	56.463	1.06%							 		
1983-01-01	56.946	0.86%								 	
1983-04-01	57.362	0.73%			 L				 		
1983-07-01	57.947	1.02%						-			
		-		 	 	 	 	 	 	 	

1983-10-01	58.366	0.72%														
1984-01-01	59.091	1.24%														
1984-04-01	59.624	0.90%														
1984-07-01	60.111	0.82%														
1984-10-01	60.466	0.59%														
1985-01-01	61.157	1.14%														
1985-04-01	61.471	0.51%														
1985-07-01	61.763	0.48%														
1985-10-01	62.142	0.61%														
1986-01-01	62.457	0.51%			 		 									
1986-04-01	62.769	0.50%			 	 	 									
1986-07-01	63.165	0.63%				 	 									
					 	 	 									
1986-10-01 1987-01-01	63.622	0.72%					 	 								
	64.122	0.79%				-	 	 								
1987-04-01	64.482	0.56%				-	 	 								
1987-07-01	64.990	0.79%				ļ	ļ									
1987-10-01	65.456	0.72%														
1988-01-01	65.982	0.80%														
1988-04-01	66.618	0.96%				İ										I
1988-07-01	67.408	1.19%														
1988-10-01	67.952	0.81%					1									
1989-01-01	68.662	1.04%														
1989-04-01	69.346	1.00%														
1989-07-01	69.816	0.68%														
1989-10-01	70.256	0.63%				ľ	T T									
1990-01-01	71.109	1.21%				1										
1990-04-01	71.936	1.16%				I										
1990-07-01	72.604	0.93%														
1990-10-01	73.202	0.82%														
1991-01-01	73.985	1.07%														
1991-04-01	74.503	0.70%				 										
1991-07-01	75.067	0.76%				 	t									
1991-10-01	75.492	0.57%				ļ										
1992-01-01	75.919	0.57%			-		 					ļ				
1992-01-01	70.515	0.60%				ļ	I									
1992-04-01	76.371						 	 								
1992-07-01	76.710	0.44%				ļ	 									
1992-10-01	77.146	0.57%					ļ									
1993-01-01	77.620	0.61%				ļ	ļ						L			
1993-04-01	78.042	0.54%				ļ	<u> </u>									
1993-07-01	78.409	0.47%														
1993-10-01	78.816	0.52%				ļ	I									
1994-01-01	79.250	0.55%														
1994-04-01	79.633	0.48%														
1994-07-01	80.080	0.56%				l	I									
1994-10-01	80.503	0.53%														
1995-01-01	80.985	0.60%				İ							l			
1995-04-01	81.346	0.45%														
1995-07-01																
1333-01-01	81.691	0.42%														
1995-10-01	81.691 82.110	0.42%														
1995-10-01 1996-01-01	81.691 82.110 82.554	0.42% 0.51% 0.54%			35%											
1995-10-01 1996-01-01 1996-04-01	82.110 82.554 82.859	0.51% 0.54% 0.37%			35%											
1995-10-01 1996-01-01	82.110 82.554	0.51% 0.54%			35%											
1995-10-01 1996-01-01 1996-04-01 1996-07-01	82.110 82.554 82.859 83.269	0.51% 0.54% 0.37% 0.49%			35%											
1995-10-01 1996-01-01 1996-04-01	82.110 82.554 82.859	0.51% 0.54% 0.37%			35%		33%	33%	33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-10-01 1997-01-01 1997-04-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45%			35%		33%	33%	33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-10-01 1997-01-01	82.110 82.554 82.859 83.269 83.650 84.075	0.51% 0.54% 0.37% 0.49% 0.46% 0.51%			35%		33%	33%	33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-10-01 1997-01-01 1997-04-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45%					33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-07-01 1997-01-01 1997-04-01 1997-07-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28%		31%			33%	33%	33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-04-01 1996-07-01 1997-01-01 1997-01-01 1997-07-01 1997-07-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.25% 0.28%		31%			33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-07-01 1996-07-01 1997-01-01 1997-04-01 1997-01-01 1997-10-01 1998-04-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007 85.134	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.25%		31%			33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-04-01 1996-10-01 1997-01-01 1997-04-01 1997-01-01 1997-01-01 1998-01-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 84.686 85.007 85.134 85.344 85.663	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.25%		31%			33%		33% 33%	33%				33%		
1995-10-01 1996-04-01 1996-04-01 1996-07-01 1996-10-01 1997-01-01 1997-04-01 1997-07-01 1998-04-01 1998-04-01 1998-04-01 1998-01-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.663 85.888	0.51% 0.54% 0.37% 0.49% 0.45% 0.25% 0.28% 0.15% 0.25% 0.25%					33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-10-01 1997-01-01 1997-01-01 1997-10-01 1998-01-01 1998-01-01 1998-01-01	82.110 82.554 82.859 83.659 83.650 84.075 84.450 84.686 85.007 85.134 85.344 85.663 85.888 86.252	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.28% 0.38% 0.15% 0.25% 0.25% 0.25% 0.26% 0.42%	30% 30% 30%				33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-04-01 1996-10-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.344 85.663 85.888 86.252 86.615	0.51% 0.54% 0.37% 0.46% 0.51% 0.51% 0.28% 0.38% 0.15% 0.25% 0.25% 0.26% 0.42%	30% 30% 30%				33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-10-01 1998-01-01 1998-07-01 1998-07-01 1998-07-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.344 85.663 85.888 86.252 86.615	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.45% 0.38% 0.38% 0.38% 0.22% 0.25% 0.27% 0.26% 0.26% 0.26% 0.42% 0.42%	30% 30% 30%				33%		33% 33%	33%				33%		
1995-10-01 1996-01-01 1996-04-01 1996-04-01 1996-07-01 1996-10-01 1997-01-01 1997-04-01 1997-01 1997-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.344 85.663 85.888 86.252 86.615 86.919	0.51% 0.54% 0.37% 0.49% 0.46% 0.51% 0.51% 0.28% 0.15% 0.22% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25%	30% 30% 30%				33%		33% 33%	33%				33%	770/	
1995-10-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	82.110 82.554 82.859 83.650 84.075 84.450 85.007 85.134 85.344 85.663 86.252 86.615 86.919 87.275	0.51% 0.54% 0.37% 0.49% 0.51% 0.28% 0.38% 0.15% 0.25% 0.25% 0.26% 0.26% 0.36% 0.26% 0.26% 0.26% 0.26%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-04-01 1996-04-01 1996-04-01 1996-04-01 1996-04-01 1997-04-01 1997-04-01 1997-01 1997-01 1998-01-01 1998-01-01 1998-01-01 1998-07-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.663 85.663 86.252 86.615 87.275 87.275	0.51% 0.54% 0.54% 0.37% 0.49% 0.49% 0.51% 0.28% 0.15% 0.28% 0.15% 0.25% 0.26% 0.26% 0.45% 0.77% 0.26% 0.42% 0.42% 0.47% 0.76%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01	82.110 82.554 82.859 83.269 83.650 84.075 84.450 85.007 85.134 85.344 85.663 86.252 86.615 86.919 87.275 87.939 88.386	0.51% 0.54% 0.49% 0.49% 0.46% 0.51% 0.28% 0.15% 0.28% 0.25% 0.25% 0.42% 0.42% 0.42% 0.45% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01	82.110 82.554 82.859 83.269 84.075 84.450 84.686 85.007 85.134 85.663 85.888 86.252 86.615 87.275 87.295 88.386 88.388	0.51% 0.54% 0.54% 0.37% 0.49% 0.49% 0.51% 0.28% 0.28% 0.15% 0.28% 0.45% 0.25% 0.25% 0.25% 0.25% 0.51% 0.25% 0.51% 0.55% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01	82.110 82.554 82.859 83.269 83.660 84.075 84.450 84.686 85.007 85.344 85.344 85.868 86.615 86.615 87.739 87.739 87.739 88.888 88.252 88.898 89.77	0.51% 0.54% 0.54% 0.49% 0.46% 0.46% 0.51% 0.28% 0.15% 0.28% 0.15% 0.27% 0.37% 0.27% 0.37% 0.42% 0.51% 0.51% 0.55% 0.55% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1998-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1909-01-01 1909-01-01	82,110 82,554 82,859 83,269 83,650 84,470 84,480 85,007 85,134 85,344 85,344 85,661 86,615 86,918 87,275 88,386 88,386 88,388 88,386 88	0.51% 0.54% 0.54% 0.54% 0.37% 0.49% 0.46% 0.51% 0.28% 0.25% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.51% 0.51% 0.51% 0.51% 0.51% 0.59% 0.59% 0.59%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1900-01-01 2000-01-01 2000-01-01 2001-01-01 2001-01-01 2001-01-01	82.110 82.554 82.859 83.289 83.289 83.650 84.475 84.475 85.134 85.663 85.007 85.134 85.663 86.85 86.85 86.919 87.725 87.725 87.727 87.727 87.727 87.727 87.727 88.308 89.359 89.359 89.977 90.603	0.51% 0.54% 0.54% 0.49% 0.49% 0.46% 0.51% 0.51% 0.28% 0.15% 0.25% 0.37% 0.37% 0.25% 0.37% 0.51% 0.55% 0.55% 0.76% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-07-01 1998-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-07-01 1998-07-01 1998-07-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1909-01-01 1909-01-01 1909-01-01 1909-01-01 1909-01-01 1909-01-01 1909-01-01	82.110 82.554 82.859 83.269 83.650 84.475 84.450 84.686 85.007 85.134 85.663 85.888 86.252 86.615 87.939 88.398 89.359 99.0603 90.891	0.51% 0.54% 0.54% 0.45% 0.49% 0.46% 0.45% 0.28% 0.15% 0.28% 0.15% 0.25% 0.37% 0.26% 0.55% 0.25% 0.37% 0.42% 0.42% 0.45% 0.45% 0.45% 0.45% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1900-01-01 2000-01-01 2000-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01	82.110 82.554 82.859 83.289 83.289 83.650 84.455 84.450 85.007 85.134 85.663 86.85.007 86.919 87.275 87.275 88.806 89.359 89.977 90.603 90.991 90.603	0.51% 0.54% 0.54% 0.49% 0.49% 0.46% 0.51% 0.28% 0.15% 0.28% 0.15% 0.25% 0.37% 0.37% 0.37% 0.37% 0.26% 0.42% 0.42% 0.42% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 2000-01-01 2000-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01	82.110 82.554 82.859 83.269 83.650 84.475 84.450 85.007 85.134 85.663 86.252 86.615 86.919 87.275 87.939 88.386 88.386 89.359 90.603 90	0.51% 0.54% 0.54% 0.49% 0.49% 0.46% 0.45% 0.28% 0.15% 0.28% 0.15% 0.27% 0.42% 0.42% 0.42% 0.51% 0.51% 0.51% 0.51% 0.51% 0.55%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	82,110 82,554 82,859 83,269 84,450 84,450 85,007 85,134 85,667 85,661 86,615 86,252 86,615 87,275 87,323 88,386 89,389 89,977 90,603 90,891 91,144 91,473 92,282	0.51% 0.54% 0.54% 0.37% 0.49% 0.49% 0.51% 0.51% 0.28% 0.28% 0.15% 0.25%	30% 30% 30%				33%		33% 33%	33%				33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-07-01 1996-07-01 1998-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1900-01-01 2000-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2002-01-01 2002-01-01 2002-01-01	82.110 82.554 82.859 83.269 83.650 84.450 84.450 85.007 85.134 85.663 86.615 86.615 86.919 87.275 88.386 89.399 90.603 90.901 91.144 91.469 91.473 92.282	0.51% 0.54% 0.54% 0.49% 0.48% 0.48% 0.48% 0.45% 0.28% 0.15% 0.28% 0.15% 0.28% 0.47% 0.28% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.25% 0.44% 0.55%	30% 30% 30%				33%		33% 33%					33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1900-01-01 2000-01-01 2000-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01 2001-01-01	82,110 82,554 82,859 83,269 84,450 84,450 85,007 85,134 85,643 85,661 86,252 86,615 86,918 87,275 88,908 89,359 90,891 91,144 91,469 91,473 92,282 92,828 93,501	0.51% 0.54% 0.54% 0.49% 0.49% 0.51% 0.28% 0.28% 0.15% 0.26% 0.26% 0.57% 0.26% 0.51% 0.26% 0.33% 0.42% 0.42% 0.42% 0.42% 0.42% 0.45% 0.55% 0.51% 0.59% 0.59% 0.59% 0.59%	30% 30% 30%				33%		33% 33%	33%	19%	19%	19%	33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	82.110 82.554 82.859 83.269 83.269 84.450 84.450 84.686 85.007 85.134 85.683 86.252 86.615 87.275 88.386 89.359 89.359 90.891 91.144 91.473 92.282 93.501 93	0.51% 0.54% 0.54% 0.46% 0.46% 0.46% 0.45% 0.28% 0.15% 0.28% 0.15% 0.28% 0.15% 0.27% 0.37% 0.42% 0.42% 0.42% 0.42% 0.42% 0.45% 0.45% 0.51% 0.51% 0.51% 0.51% 0.54% 0.45% 0.55% 0.44% 0.45% 0.28%	30% 30% 30%				33%		33% 33%		19%	19%	19%	33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1998-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 1999-01-01 1999-01-01 1900-01-01	82,110 82,554 82,859 83,2659 84,475 84,450 84,486 85,007 85,134 85,663 85,888 86,252 86,615 86,915 87,939 88,386 89,389 90,603 90,891 91,144 91,468 9	0.51% 0.54% 0.54% 0.49% 0.49% 0.45% 0.28% 0.15% 0.28% 0.15% 0.25% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.42% 0.42% 0.42% 0.45% 0.45% 0.45% 0.59% 0.59% 0.59% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50%	30% 30% 30%				33%		33% 33%		19%	19%	19%	33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01	82.110 82.554 82.859 83.289 83.289 84.475 84.475 84.686 85.007 85.134 85.683 86.252 86.615 87.393 88.386 89.359 89.377 90.603 90.891 91.144 91.873 92.282 93.501 93.501 93.501 94.304 94.813	0.51% 0.54% 0.54% 0.46% 0.46% 0.46% 0.45% 0.28% 0.15% 0.28% 0.15% 0.25% 0.37% 0.27% 0.27% 0.42% 0.25% 0.42% 0.42% 0.45% 0.55% 0.55% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.57% 0.55% 0.55%	30% 30% 30%				33%		33% 33%		19%	19%	19%	33%	27%	
1995-10-01 1996-01-01 1996-01-01 1996-01-01 1996-01-01 1998-01-01 1997-01-01 1997-01-01 1997-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1998-01-01 1999-01-01 1999-01-01 2000-01-01 2000-01-01 2001-01-01	82,110 82,554 82,859 83,2659 84,475 84,450 84,486 85,007 85,134 85,663 85,888 86,252 86,615 86,915 87,939 88,386 89,389 90,603 90,891 91,144 91,468 9	0.51% 0.54% 0.54% 0.49% 0.49% 0.45% 0.28% 0.15% 0.28% 0.15% 0.25% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.37% 0.26% 0.42% 0.42% 0.42% 0.45% 0.45% 0.45% 0.59% 0.59% 0.59% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50%	30% 30% 30%				33%		33% 33%		19%	19%	19%	33%	27%	

2004-04-01																										
2004-07-01																										
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Annual Inflation Rate			2.5%	2.5%	2.5%	2.5%	2.4%	2.4%	2.5%	0.0%	2.3%	1.0%	1.3%	2.4%	2.3%	2.3%	2.3%	2.3%	2.4%	2.4%	2.4%	2.4%	2.3%	2.5%		
Initial Retail Rate (Res)			\$16.95	\$17.95	\$18.95	\$12.40	\$13.37	\$12.00	\$10.58	\$14.73	\$16.50	\$10.63	\$14.90	\$14.00	\$16.65	\$16.95	\$17.25	\$17.55	\$11.55	\$12.25	\$10.65	\$10.91	\$14.56	\$15.63		
Initial Retail Rate (Bus)			\$46.25	\$48.00	\$49.75	\$55.00	\$20.87	\$19.40	\$18.33	\$23.98	\$24.80	\$17.63	\$23.03	\$21.10	\$26.35	\$26.75	\$27.15	\$27.55	\$16.40	\$17.35	\$21.40	\$16.06	\$21.06	\$30.70		Max
Inflation Adjusted Rate (I			\$21.96	\$23.25	\$24.55	\$16.06	\$17.55	\$16.24	\$13.70	\$14.73	\$21.93	\$10.85	\$15.49	\$18.37	\$22.13	\$22.53	\$22.92	\$23.32	\$13.80	\$14.64	\$12.73	\$13.04	\$19.35	\$19.86		\$24.55
Inflation Adjusted Rate (I	Bus) - up to 1st Qtr	2011	\$59.91	\$62.18	\$64.44	\$71.25	\$27.39	\$26.26	\$23.74	\$23.98	\$32.96	\$17.99	\$23.95	\$27.69	\$35.02	\$35.55	\$36.08	\$36.61	\$19.60	\$20.73	\$25.57	\$19.19	\$21.06	\$30.70		\$71.25
																									Total Lines	
Res Lines	-	-	17,900	17,900	17,900	17,900	8,824	12,484	5,015	5,050	5,126	12,445	4,671	6,226	5,558	5,558	5,558	5,558	3,569	3,569	886	1,366	10,687	247,718	421,468	
Bus Lines	KY State Wt.	1	12,319	12,319	12,319	12,319	1,986	1,568	1,119	999	553	2,489	379	1,129	1,014	1,014	1,014	1,014	681	681	309	417	1,092	114,634	181,365	
		KY State Wt.			i				ı	i			i								i	ı	ı		İ	
	Average		n.		1					- 1					- 1		1				1		- 1		1	
Mt Value (Dee)	(adjusted) \$19.53	Average (Initia	\$0.93	\$0.99	\$1.04	\$0.68	\$0.37	\$0.48	\$0.16	\$0.18	\$0.27	\$0.32	\$0.17	\$0.27	\$0.29	\$0.30	\$0.30	\$0.31	\$0.12	\$0.12	\$0.03	\$0.04	\$0.49	\$11.67		
Wt Value (Res) Wt Value (Bus)	\$19.53 \$39.46	\$15.35	\$4.07				\$0.37	\$0.48	\$0.16	\$0.18	\$0.27	\$0.32	\$0.17	\$0.27	\$0.29		\$0.30	\$0.31	\$0.12	\$0.12	\$0.03	\$0.04	\$0.49	\$11.67		
vvi value (BUS)	φ39.40	\$34.99	\$4.07	\$4.22	φ4.30	φ4.04	φ0.30	φ0.23	φ0.15]	\$0.131	\$0.10	\$0.25	90.05	0.17پ	φ0.20	\$0.20	φ0.20	φ0.20	0.07	\$0.08	\$0.04	φ0.041	φ0.13	φ19.40		
	 	+																								
Res		1	\$0.72	\$0.76	\$0.80	\$0.53	\$0.28	\$0.36	\$0.13	\$0.18	\$0.20	\$0.31	\$0.17	\$0.21	\$0.22	\$0.22	\$0.23	\$0.23	\$0.10	\$0.10	\$0.02	\$0.04	\$0.37	\$9.19		
Bus			\$3.14		\$3.38	\$3.74	\$0.23	\$0.17	\$0.11	\$0.13	\$0.08	\$0.24	\$0.05	\$0.13	\$0.15	\$0.15	\$0.15	\$0.15	\$0.06	\$0.07	\$0.04	\$0.04	\$0.13	\$19.40		

Calculating Low End of a Benchmark Range in Kentucky - Retail Rates Adjusted by GDPPI Inflation Factor

Kentucky		Scenario 1 - All Carriers							Scenario 2 - Remove Outliers < \$10 Rate							
Rural LECs (RLECs)	Rat	Rates		Rates						Rates				Rates		
		Min		Max		Min		Max		Min		Max		Min		Max
LESLIE COUNTY TEL CO	\$	11.55	\$	12.25	\$	13.80	\$	14.64	\$	11.55	\$	12.25	\$	13.80	\$	14.64
LEWISPORT TEL CO	\$	10.65	\$	10.65	\$	12.73	\$	12.73	\$	10.65	\$	10.65	\$	12.73	\$	12.73
SALEM TEL CO	\$	10.91	\$	10.91	\$	13.04	\$	13.04	\$	10.91	\$	10.91	\$	13.04	\$	13.04
BALLARD RURAL COOP	\$	7.40	\$	9.15	\$	13.52	\$	16.72		n/a		n/a		n/a		n/a
BRANDENBURG TEL CO	\$	5.60	\$	5.60	\$	10.23	\$	10.23		n/a		n/a		n/a		n/a
DUO COUNTY TEL COOP	\$	13.37	\$	13.37	\$	17.55	\$	17.55	\$	13.37	\$	13.37	\$	17.55	\$	17.55
FOOTHILLS RURAL COOP	\$	12.00	\$	12.00	\$	16.24	\$	16.24	\$	12.00	\$	12.00	\$	16.24	\$	16.24
GEARHEART-COALFIELDS	\$	10.58	\$	10.58	\$	13.70	\$	13.70	\$	10.58	\$	10.58	\$	13.70	\$	13.70
LOGAN TEL. COOP. INC	\$	16.50	\$	16.50	\$	21.93	\$	21.93	\$	16.50	\$	16.50	\$	21.93	\$	21.93
MOUNTAIN RURAL COOP	\$	10.63	\$	10.63	\$	10.85	\$	10.85	\$	10.63	\$	10.63	\$	10.85	\$	10.85
PEOPLES RURAL COOP	\$	14.00	\$	14.00	\$	18.37	\$	18.37	\$	14.00	\$	14.00	\$	18.37	\$	18.37
SOUTH CENTRAL RURAL	\$	16.65	\$	17.55	\$	22.13	\$	23.32	\$	16.65	\$	17.55	\$	22.13	\$	23.32
THACKER/GRIGSBY TEL	\$	5.74	\$	5.74	\$	10.49	\$	10.49		n/a		n/a		n/a		n/a
WEST KENTUCKY RURAL	\$	14.56	\$	14.56	\$	19.35	\$	19.35	\$	14.56	\$	14.56	\$	19.35	\$	19.35
HIGHLAND TEL COOP -KY	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73	\$	14.73
NORTH CENTRAL TEL COOP - KY	\$	14.90	\$	14.90	\$	15.49	\$	15.49	\$	14.90	\$	14.90	\$	15.49	\$	15.49
Total RLECs																
CINCINNATI BELL-KY	\$	12.40	\$	18.95	\$	16.06	\$	24.55	\$	12.40	\$	18.95	\$	16.06	\$	24.55
WINDSTREAM KY WEST	\$	9.30	\$	9.30	\$	11.55	\$	11.55		n/a		n/a		n/a		n/a
WINDSTREAM LEXINGTON	\$	15.63	\$	15.63	\$	19.86	\$	19.86	\$	15.63	\$	15.63	\$	19.86	\$	19.86
WINDSTREAM LONDON	\$	15.63	\$	15.63	\$	19.86	\$	19.86	\$	15.63	\$	15.63	\$	19.86	\$	19.86
Combined Windstream		\$1	5.38	}		\$19.	52									
Total Price Cap									H							
Blended Kentucky Rate Range	\$	14.05	\$	15.33	\$	18.03	\$	19.69	\$	14.60	\$	15.96	\$	18.57	\$	20.33
Statewide Weighted Average	\$14.71			\$18.89			\$15.35			\$19.53						

Note: Statewide Average Includes only ICOs that are parties to this proceeding. Outliers in red font are removed from Scenario 2 analysis
Line Counts from Financial Reports filed with the Commission

Calculating High End of Benchmark Range based on Comparability with Highest Urban Rates in Kentucky

Scenario 3 - Urban/Rural Comparability (Using 125% Factor)

	Urban Area	Cur Rate		Benchmark Results		
Windstream	Lexington	\$	18.95	\$	23.69	
AT&T Kentucky	Louisville (Rate Grp 5) Florence	\$	18.40	\$	23.00	
Cincinatti Bell Telephone	(Rate Bd 1)	\$	16.95	\$	21.19	

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REQUEST: Please produce all documents that evidence, support, or relate to AT&T's responses to these data requests.

RESPONSE: Objection. The information requested is overly broad. Without waiving this objection, there are no documents responsive to this request.

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REQUEST: Please provide copies of all correspondence and other filings made at the FCC in conjunction with the pending ICC reform (WC Docket Nos. 10-90, 07-135, 05-337, 03-109; CC Docket No. 01-92, 96-45; and GN Docket

No. 09-51).

RESPONSE: Objection. The information requested is voluminous and publicly available on the website of the Federal Communications Commission.

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REQUEST: Please explain how AT&T's position with respect to ICC reform at the FCC affects its position in this matter.

RESPONSE: Kentucky's intrastate switched access reform efforts complement, and are directionally consistent with, the intercarrier compensation (ICC) reform proposals contained in both the ABC Plan as well as the FCC's recommendations contained in the National Broadband Plan. The ABC Plan establishes a glide path to transition each carrier's per minute terminating intrastate access rates to be at parity with their interstate rates, and then further to transition those parity rates to a low unitary terminating rate of \$0.0007. Kentucky's reform efforts would bring intrastate access rates into alignment with interstate access rates and provide for some explicit state USF support, which would better position Kentucky in the context of comprehensive federal reform if the ABC Plan is adopted.

None of these proposals conflicts with the reform that this Commission should accomplish for the benefit of Kentucky consumers and all of the reforms AT&T proposes here would benefit Kentucky consumers whether or not the ABC Plan is adopted.