

Development of Query Surcharge

NPAC	Local	NPAC Charge	Total Cost	Access Lines		<u>Access Lines with 4% Growth</u>				
	<u>Query Costs</u>					<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
West Coast NPAC	\$ 194,557	\$386,439	580,997	180,855	0.05354	188,089	195,613	203,437	211,575	220,038
Western NPAC	\$ 375,318	\$500,272	875,590	237,965	0.06132	247,484	257,383	267,678	278,385	289,521
Northeast NPAC	\$ 223,839	\$703,143	926,982	334,465	0.04619	347,844	361,757	376,228	391,277	406,928
Southeast NPAC	\$ 273,476	\$228,157	501,633	100,813	0.08293	104,846	109,039	113,401	117,937	122,654
Mid Atlantic NPAC	\$ 206,450	\$325,894	532,344	150,238	0.05906	156,248	162,497	168,997	175,757	182,787
Southwest NPAC	\$ -	\$144,000	144,000	0						
Mid West NPAC	\$ -	\$144,000	144,000	0						
	<u>\$ 1,273,640</u>	<u>\$2,431,906</u>	<u>3,705,546</u>	<u>1,004,336</u>	<u>0.06149</u>	<u>1,044,509</u>				<u>1,221,928</u>

EAS \$ 7,693,957.20
Toll⁶ \$ -
IState Toll⁶ \$ -

	Using 2001 access lines	Using 2005 access lines
Total	<u>\$ 11,399,503.48</u>	<u>\$0.1819</u> <u>\$0.1555</u>

Using
Average of
2000 & 2005
access lines
\$0.1687

excluding 2000 Lifelines: \$0.1887 \$0.1604 \$0.1745

LNP Surcharge - due to Queries

\$0.17

LNP Surcharge - due to Investment (all exchanges converting in by June 2001)

\$0.16

LNP Surcharge - TOTAL

\$0.34

Assumptions

- (1) Originating / Terminating split assumed to be 50-50. Studies of Oregon and California EAS, established split as 62.8 - 37.2. This was used for EAS. IntraLATA Toll and interstate intraLATA toll. Local remained at 50-50.
- (2) Hold times for local taken from cost studies by state.
- (3) Hold times for EAS calculated as average of hold time studies for Elk Grove, CA; Bluefield, WV; and Mound, MN. Hold time calculated to be 6.311 Min / call.
- (4) Hold times for intraLATA toll calculated as average of hold time studies for Elk Grove, CA; Bluefield, WV; and Mound, MN. Hold time calculated to be 4.043 Min / call.
- (5) Local query expenses were run from July 2001 through June 2006.
- (6) IntraLATA Toll data removed from calculations after discussions with FCC staff March 2004.

**LNP Investment
Cost Study**

SUMMARY -- ALL EXCHANGES THROUGH JUNE 2001

Total Investment	\$958,297
Total Monthly cost (5 yr depreciation)	\$25,641
Total Access Lines	157,675
Average Recovery per line	\$6.08
Average monthly cost per line (5 yr depreciaton)	\$0.16
Monthly Surcharge to Recover Investment	\$0.10

SPECIFIC EXCHANGE GROUPS

(A) McMinnville, TN & Cookeville, TN

	Algood, Monterey, Sparta			
		1999 Access	2000 Access	
a	Access Lines	Lines	40,750 Lines	37,492
b	Total LNP Investment in Cookeville and McMinnville			
	Source: Project Work Order			\$412,118
c	LNP-specific direct investment in Cookeville and McMinnville			
	Removed loadings			\$377,194
d	Investment per line			
	Line c divided by line a			\$10.06
e	LNP Service Surcharge			
	Line d divided by 60 months			\$0.17

(B) Elk Grove, CA

f	Total LNP Investment in Elk Grove, CA (DMS100 & GTD5)			
	Elk Grove, Clarksburg, Courtland, Isleton,	Access Lines		60,373
	Laguna, Meadowview, Walnut Grove			
	Source: RFP for DMS 100 & GTD5			\$236,901
g	LNP-specific direct investment			\$236,901
h	Investment per line			
	Line c divided by line a			\$3.92
i	LNP Service Surcharge			
	Line d divided by 60 months			\$0.07

(C) Powell, TN

j	Total LNP Investment in Powell, TN			
	Powell, Claxton	Access Lines		17,330
	Source: RFP for DMS 100			\$161,901
k	LNP-specific direct investment			\$161,901
l	Investment per line			
	Line c divided by line a			\$9.34
m	LNP Service Surcharge			
	Line d divided by 60 months			\$0.16

(D) Palo Cedro, CA

n	Total LNP Investment in Palo Cedro, CA Palo Cedro, Paynes Creek	Access Lines	3,082
	Source: RFP for DMS 10		\$10,200
o	LNP-specific direct investment		\$10,200
p	Investment per line Line c divided by line a		\$3.31
q	LNP Service Surcharge Line d divided by 60 months		\$0.06

(E) Kearney, NE

r	Total LNP Investment in Kearney, NE Amhurst, Miller	Access Lines	32,772
	Source: RFP for DMS 100		\$161,901
s	LNP-specific direct investment		\$161,901
t	Investment per line Line c divided by line a		\$4.94
u	LNP Service Surcharge Line d divided by 60 months		\$0.08

(F) Kenyon, MN

r	Total LNP Investment in Kenyon, MN Kenyon, Claremont, Dodge Center, Wanamingo West concord Source: RFP for DMS 10	Access Lines	6,626
			\$10,200
s	LNP-specific direct investment		\$10,200
t	Investment per line Line c divided by line a		\$1.54
u	LNP Service Surcharge Line d divided by 60 months		\$0.03

	Investment	Annual Cost Factor	Average Utilization	Estimated Volume Sensitive monthly LRIC (d)=(a*b*c)/12	Loaded Investment (e = d / b * 12)	Service Overheads
	(a)	(b)	(c)			
LNP Upgrades	\$958,297.00	32.11%	1.00	25641.37704	958,297.000	2,843.574

Total Cost

\$ 25,641.38 \$ 958,297.00

BLACK = TSLRIC

NEED AUTHORIZED ROR for all

	ARIZKGM	AZSLSHLW	CAGSGS	CALIFCANTH	CALIFEKGV	CATUTU
CENTRAL OFFICE EQUIPMENT - MTCE	0.012155634	0.016035501	0.023681968	0.020125504	0.020125504	0.016999209
CENTRAL OFFICE EQUIPMENT - Prop tax	0.027318295	0.02246	0.010215	0.010617	0.010617	0.010587
CENTRAL OFFICE EQUIPMENT - Oth tax	0	0	0.00000	0	0	0.000000
CENTRAL OFFICE EQUIPMENT - Equity	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536
CENTRAL OFFICE EQUIPMENT - Debt	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464
CENTRAL OFFICE EQUIPMENT - I/T	0.671659356	0.671659356	0.687649779	0.687649779	0.687649779	0.687649779
CENTRAL OFFICE EQUIPMENT - roi	0.066762779	0.06744168	0.062835562	0.071195361	0.071195361	0.0628
CENTRAL OFFICE EQUIPMENT - dep	0.18	0.2	0.2	0.2	0.2	0.2
Ann Chrg fctr	0.302620124	0.322489548	0.31251932	0.319824968	0.319824968	0.306208561

Estimated monthly TSLRIC	Corporate Overheads (f)	Estimated TSLRIC w/ corp Overheads (g = d + f)
28,484.951	2,953.883	31,438.834
<u>28,484.951</u>		<u>\$ 31,438.83</u>

IDAHOID	MONTMT	NAVAJOAZNA	NAVAJONMN	NAVAJOUTN	NEVNVE	NEVNV	OREGONO	TENNTN	TENNVOLT	UTAHUT
0.027960585	0.02921906	0.029924121	0.008901	0.0012	0.038580938	0.038581	0.034411	0.022758	0.019148	0.029088
0.011340144	0.047522874	0.031511451	0.008124	0.014352	0.007613717	0.007614	0.007745	0.009424	0.015592	0.011806
0.000000	0	0	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0
0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536
0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464
0.672240803	0.649824706	0.671659356	0.665002	0.619433	0.538461538	0.538462	0.647175	0.636661	0.636661	0.619433
0.065265026	0.055905589	0.078028505	0.078029	0.078029	0.066425569	0.066426	0.077615	0.074279	0.068525	0.064301
0.204	0.2	0.2	0.2	0.2	0.2	0.2	0.151	0.18	0.2	0.176
0.324595492	0.345920625	0.358612074	0.314011	0.31124	0.325688279	0.325688	0.289123	0.303739	0.319205	0.295747

REDHOOK	UCIUCI	WESTCTY	WESTDEL	WVAWVN	OGDEN, N'	WISCONSI	MINNESOT	NEBRASKA	ILLINOIS	(GTE)
0.035171	0.035171	0.035171	0.035171	0.02863	0.016437	0.036965	0.025737	0.010471	0.02804	
0.016226	0.016226	0.016226	0.016226	0.013363	0.015211	0.020738	0.038448	0.016226	0.016226	
0.02875	0.02875	0.02875	0.02875	0	0.02875	0	0	0	0	
0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	0.36536	
0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	0.63464	
0.538462	0.538462	0.538462	0.538462	0.690617	0.538462	0.670425	0.705611	0.668794	0.659613	
0.060844	0.060844	0.060844	0.060844	0.073025	0.060038	0.064809	0.07119	0.072118	0.07120	
0.194	0.194	0.194	0.194	0.188	0.2	0.194	0.2	0.194	0.2	
0.327359	0.327359	0.327359	0.327359	0.321444	0.312223	0.332386	0.353728	0.310437	0.33263	0.321087

ILLUMINET NPAC COST ANALYSIS

REGION	2000 Access Lines	2001 Access Lines	2002 Access Lines	2003 Access Lines	2004 Access Lines	2005 Access Lines
West Coast NPAC	180,855	188,089	195,613	203,437	211,575	220,038
Western NPAC	237,965	247,484	257,383	267,678	278,385	289,521
Northeast NPAC	334,465	347,844	361,757	376,228	391,277	406,928
Southeast NPAC	100,813	104,846	109,039	113,401	117,937	122,654
Mid Atlantic NPAC	150,238	156,248	162,497	168,997	175,757	182,787
Southwest NPAC	0	0	0	0	0	0
Mid West NPAC	0	0	0	0	0	0
Total Access Lines	1,004,336	1,044,509	1,086,290	1,129,741	1,174,931	1,221,928

Access line growth rate = 4%

LNP Capable Numbers

	2001 LNP Numbers 13.1%	2002 LNP Numbers 20.0%	2003 LNP Numbers 30.0%	2004 LNP Numbers 40.0%	2005 LNP Numbers 40.0%
West Coast NPAC	37,618	58,684	81,375	84,630	88,015
Western NPAC	49,497	77,215	107,071	111,354	115,808
Northeast NPAC	69,569	108,527	150,491	156,511	162,771
Southeast NPAC	20,969	32,712	45,360	47,175	49,062
Mid Atlantic NPAC	31,250	48,749	67,599	70,303	73,115
Southwest NPAC	0	0	0	0	0
Mid West NPAC	0	0	0	0	0
Total Access Lines	208,902	325,887	451,897	469,972	488,771

Service Orders to Port LNP numbers

	2001 Ported Numbers 30.0%	2002 Ported Numbers 20.0%	2003 Ported Numbers 20.0%	2004 Ported Numbers 20.0%	2005 Ported Numbers 20.0%
New ported numbers & churn					
West Coast NPAC	7,524	17,605	32,550	33,852	35,206
Western NPAC	9,899	23,164	42,829	44,542	46,323
Northeast NPAC	13,914	32,558	60,196	62,604	65,108
Southeast NPAC	4,194	9,814	18,144	18,870	19,625
Mid Atlantic NPAC	6,250	14,625	27,040	28,121	29,246
Southwest NPAC	0	0	0	0	0
Mid West NPAC	0	0	0	0	0
Total Service Orders for LNP	41,780	97,766	180,759	187,989	195,509

Service Order Cost for Porting

	2001 Ported Numbers	2002 Ported Numbers	2003 Ported Numbers	2004 Ported Numbers	2005 Ported Numbers
Cost per Service Order	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
West Coast NPAC	\$22,571	\$52,815	\$97,650	\$101,556	\$105,618
Western NPAC	\$29,698	\$69,493	\$128,486	\$133,625	\$138,970
Northeast NPAC	\$41,741	\$97,674	\$180,589	\$187,813	\$195,325
Southeast NPAC	\$12,581	\$29,441	\$54,432	\$56,610	\$58,874
Mid Atlantic NPAC	\$18,750	\$43,874	\$81,119	\$84,363	\$87,738
Southwest NPAC	\$0	\$0	\$0	\$0	\$0
Mid West NPAC	\$0	\$0	\$0	\$0	\$0
Total Service Orders for LNP	\$125,341	\$293,298	\$542,276	\$563,967	\$586,526

Total Service Order Cost for Five Years

Service Order Cost for Porting including Minimum per Region of \$2400 per month (= \$28,800 per Year)

	2001 Ported Numbers	2002 Ported Numbers	2003 Ported Numbers	2004 Ported Numbers	2005 Ported Numbers
West Coast NPAC	\$28,800	\$52,815	\$97,650	\$101,556	\$105,618
Western NPAC	\$29,698	\$69,493	\$128,486	\$133,625	\$138,970
Northeast NPAC	\$41,741	\$97,674	\$180,589	\$187,813	\$195,325
Southeast NPAC	\$28,800	\$29,441	\$54,432	\$56,610	\$58,874
Mid Atlantic NPAC	\$28,800	\$43,874	\$81,119	\$84,363	\$87,738
Southwest NPAC	\$28,800	\$28,800	\$28,800	\$28,800	\$28,800
Mid West NPAC	\$28,800	\$28,800	\$28,800	\$28,800	\$28,800
Total Service Orders for LNP	\$215,439	\$350,898	\$599,876	\$621,567	\$644,126

Total Service Order Cost for Five Years

\$2,111,408

Total

\$386,439
\$500,272
\$703,143
\$228,157
\$325,894
\$144,000
\$144,000

\$2,431,906

\$2,431,906

EXCHANGE TRACKING REPORT - 2001
WESTERN STATES
SUMMARY

SERVING AREA	Dec., 2000	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y-T-D	1999	% of	Current
Services	In-Service	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	FCST	DIFF	In-Service
ARIZONA - MOHAVE																	
Total Residential Lines	77,250	401	374	331										1,106			78,356
Business without Centrex	20,686	22	80	137										239			20,925
Centrex Lines	2,874	-23	-16	-26										-65			2,809
Total Business Lines	23,560	-1	64	111										174			23,734
Total Switched Access	100,810	400	438	442										1,280			102,090
Company Official	1,146	0	-8	45										37			1,183
ARIZONA - SHOW LOW																	
Total Residential Lines	30,246	-6	21	84										99			30,345
Business without Centrex	8,694	-26	33	48										55			8,749
Centrex Lines	1,495	12	-15	-81										-84			1,411
Total Business Lines	10,189	-14	18	-33										-29			10,160
Total Switched Access	40,435	-20	39	51										70			40,505
Company Official	552	1	0	-1										0			552
IDAHO																	
Total Residential Lines	16,845	4	-11	56										49			16,894
Business without Centrex	4,037	-22	-1	-6										-29			4,008
Centrex Lines	501	-6	-6	6										-6			495
Total Business Lines	4,538	-28	-7	0										-35			4,503
Total Switched Access	21,383	-24	-18	56										14			21,397
Company Official	303	-8	-7	0										-15			288
MONTANA																	
Total Residential Lines	6,640	-59	-24	7										-76			6,564
Business without Centrex	2,148	-57	-25	-9										-91			2,057
Centrex Lines	92	-27	-2	0										-29			63
Total Business Lines	2,240	-84	-27	-9										-120			2,120
Total Switched Access	8,880	-143	-51	-2										-196			8,684
Company Official	131	0	7	3										10			141
NAVAJO NATION																	
Total Residential Lines	13,656	221	382	286										889			14,545
Business without Centrex	4,312	28	-13	-3										12			4,324
Centrex Lines	8,755	65	46	44										155			8,910
Total Business Lines	13,067	93	33	41										167			13,234
Total Switched Access	26,723	314	415	327										1,056			27,779
Company Official	713	2	0	5										7			720
OREGON																	
Total Residential Lines	11,615	12	-18	39										33			11,648
Business without Centrex	2,288	-7	3	6										2			2,290
Centrex Lines	940	-34	-8	4										-38			902
Total Business Lines	3,228	-41	-5	10										-36			3,192
Total Switched Access	14,843	-29	-23	49										-3			14,840
Company Official	213	0	0	1										1			214
UTAH																	
Total Residential Lines	15,851	41	-63	71										49			15,900

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WESTERN STATES
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Services	In-Service	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	FCST	DIFF	In-Service
Business without Centrex	5,623	-51	25	33										7			5,630
Centrex Lines	1,135	12	-8	1										5			1,140
Total Business Lines	6,758	-39	17	34										12			6,770
Total Switched Access	22,609	2	-46	105										61			22,670
Company Official	579	0	0	0										0			579
WESTERN NPAC TOTAL																	
Total Residential Lines	172,103	614	661	874										2,149			174,252
Business without Centrex																	0
Centrex Lines																	0
Total Business Lines	63,580	-114	93	154										133			63,713
Total Switched Access	235,683	500	754	1,028										2,282			237,965
Company Official																	0
WEST VIRGINIA / MID ATLANTIC NPAC TOTAL																	
Total Residential Lines	119,834	-1,507	2,209	0										702			120,536
Business without Centrex	20,214	-65	39	23										-3			20,211
Centrex Lines	10,052	-535	12	-38										-561			9,491
Total Business Lines	30,266	-600	51	-15										-564			29,702
Total Switched Access	150,100	-2,107	2,260	-15										138			150,238
Company Official	3,088	3	7	10										20			3,108
TENNESSEE / SOUTHEAST NPAC TOTAL																	
Total Residential Lines	76,122	-86	-64	9										-141			75,981
Business without Centrex	22,457	-21	-72	10										-83			22,374
Centrex Lines	2,464	-24	-40	58										-6			2,458
Total Business Lines	24,921	-45	-112	68										-89			24,832
Total Switched Access	101,043	-131	-176	77										-230			100,813
Company Official	1,455	1	-17	2										-14			1,441
NEW YORK / NORTHEAST NPAC TOTAL																	
Total Residential Lines	266,666	-86	554	321										789			267,455
Business without Centrex	52,826	-154	-50	-75										-279			52,547
Centrex Lines	15,182	97	-514	-302										-719			14,463
Total Business Lines	68,008	-57	-564	-377										-998			67,010
Total Switched Access	334,674	-143	-10	-56										-209			334,465
Company Official	5,920	-36	-18	54										0			5,920
CALIFORNIA																	
Total Residential Lines	93,290	5,624	1,470	428										7,522			100,812
Business without Centrex	27,412	1,906	167	149										2,222			29,634
Centrex Lines	1,129	-27	22	-60										-65			1,064
Total Business Lines	28,541	1,879	189	89										2,157			30,698
Total Switched Access	121,831	7,503	1,659	517										9,679			131,510
Company Official	1,522	0	0	0													1,522
CALIFORNIA-NonEmbedded																	
Total Residential Lines	16,026	35	-20	-62										-47			15,979
Business without Centrex	4,733	-43	7	-6										-42			4,691
Centrex Lines	980	41	2	6										49			1,029

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Services	In-Service	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	Gain	FCST	DIFF	FCST	In-Service
Total Business Lines	5,713	-2	9	0										7				5,720
Total Switched Access	21,739	33	-11	-62										-40				21,699
Company Official	479	0	-1	0										-1				478
NEVADA																		
Total Residential Lines	18,186	29	-26	30										33				18,219
Business without Centrex	7,190	-170	-35	-44										-249				6,941
Centrex Lines	2,493	32	-29	-10										-7				2,486
Total Business Lines	9,683	-138	-64	-54										-256				9,427
Total Switched Access	27,869	-109	-90	-24										-223				27,646
Company Official	399	-8	-1	0										-9				390
WEST COAST NPAC TOTAL																		
Total Residential Lines	127,502	5,688	1,424	396										7,508				135,010
Business without Centrex														0				0
Centrex Lines														0				0
Total Business Lines	43,937	1,739	134	35										1,908				45,845
Total Switched Access	171,439	7,427	1,558	431										9,416				180,855
Company Official														0				0
Total Lines																		
Total Residential Lines	762,227	4,623	4,784	1,600										11,007				773,234
Business without Centrex														0				0
Centrex Lines														0				0
Total Business Lines	230,712	923	-398	-135										390				231,102
Total Switched Access	992,939	5,546	4,386	1,465										11,397				1,004,336
Company Official														0				0

Citizens LNP Lines by 3Q 2001 188135

Percentage converted 18.95%

CITIZENS COMMUNICATIONS COMPANY
LOCAL NUMBER PORTABILITY (LNP) STUDY
2000 MINUTES OF USE

Orig / Term split

50.0%

Study Area	Total Mins	Local Calls Interoffice	Orig. Mins	2001 Orig Mins	2002 Orig Mins	2003 Orig Mins	2004 Orig Mins	2005 Orig Mins	2006 Orig Mins	Five Year Total	HT per Call	Number of Calls:000747	2000 Exp per Query
				4% Growth	4% Growth	4% Growth	4% Growth	4% Growth	4% Growth				
Arizona - Rural	2,337,627,040	1,476,495,045	738,247,522	767,777,423	798,488,520	830,428,061	863,645,183	898,190,991	934,118,630	4,324,871,385	6.14	120,261,035	\$89,835
Arizona - White Mtn.	724,821,015	457,981,014	228,990,507	238,150,127	247,676,132	257,583,178	267,886,505	278,601,965	289,746,043	1,341,493,823	3.15	72,762,950	\$54,354
California	868,054,421	731,932,223	365,966,112	380,604,766	395,628,946	411,662,104	428,128,588	445,253,732	463,063,881	2,143,937,251	3.99	91,711,796	\$68,500
California - Golden St.	112,692,530	95,020,879	47,510,439	49,410,857	51,387,291	53,442,783	55,580,494	57,803,714	60,115,863	278,330,145	3.99	11,906,206	\$8,894
California - Tuolumne	20,748,713	17,495,046	8,747,523	9,097,424	9,461,321	9,839,773	10,233,364	10,642,699	11,068,407	51,245,564	3.99	2,192,146	\$1,638
Idaho	146,332,774	81,208,281	40,604,140	42,228,306	43,917,438	45,674,136	47,501,101	49,401,145	51,377,191	237,871,011	3.23	12,562,433	\$9,384
Montana	137,849,997	80,467,732	40,233,866	41,843,220	43,516,949	45,257,627	47,067,832	48,950,650	50,908,676	235,701,834	3.65	11,023,215	\$8,234
Navajo - Arizona	151,576,726	95,774,351	47,887,176	49,802,663	51,794,769	53,866,560	56,021,222	58,262,071	60,592,554	280,537,177	3.15	15,216,404	\$11,367
Navajo - New Mexico	45,631,409	25,275,772	12,637,886	13,143,401	13,668,138	14,215,903	14,784,539	15,375,921	15,990,958	74,036,458	6.54	1,932,531	\$1,444
Navajo - Utah	1,274,291	715,249	357,625	371,930	386,807	402,279	418,370	435,105	452,509	2,095,071	6.54	54,686	\$41
Nevada - North	615,335,413	408,921,988	204,460,994	212,639,434	221,145,011	229,990,812	239,190,444	248,758,062	258,708,385	1,197,792,714	6.57	31,118,178	\$23,245
Nevada - South	13,258,772	8,811,135	4,405,568	4,581,790	4,765,062	4,955,664	5,153,891	5,360,047	5,574,448	25,809,112	6.57	670,510	\$501
New York - Red Hook	75,473,044	48,630,330	24,315,165	25,287,772	26,299,263	27,351,254	28,445,304	29,583,116	30,766,441	142,445,396	4.07	5,971,637	\$4,461
New York - Upstate	1,788,192,086	1,152,204,381	576,102,190	599,146,278	623,112,129	648,036,814	673,958,079	700,916,402	728,953,058	3,374,976,282	4.07	141,486,738	\$105,691
New York - West. Co.	137,123,021	88,353,900	44,176,950	45,944,028	47,781,789	49,693,061	51,680,783	53,748,015	55,897,935	258,801,584	4.07	10,849,555	\$8,105
Oregon	172,704,925	123,895,179	61,942,589	64,420,293	66,997,105	69,676,989	72,464,088	75,362,631	78,377,136	362,877,929	4.45	13,906,917	\$10,388
Tennessee	1,733,126,654	964,872,222	482,436,111	501,733,556	521,802,898	542,675,014	564,382,014	586,967,295	610,435,587	2,836,252,807	2.71	178,263,847	\$133,163
Tennessee - Vol. St.	147,288,269	81,998,831	40,999,415	42,639,392	44,344,968	46,118,766	47,963,517	49,882,058	51,877,340	240,186,649	2.71	15,149,599	\$11,317
Utah	412,899,811	231,757,383	115,878,691	120,513,839	125,334,393	130,347,768	135,561,679	140,984,146	146,623,512	678,851,498	6.54	17,719,672	\$13,237
West Virginia - Mtn. St.	271,593,117	185,580,839	92,790,420	96,502,036	100,362,118	104,376,602	108,551,667	112,893,733	117,409,483	543,593,603	3.15	29,471,243	\$22,015
West Virginia - Rural	393,030,931	232,960,468	116,480,234	121,139,443	125,985,021	131,024,422	136,265,399	141,716,016	147,384,655	682,375,512	3.35	34,753,103	\$25,961
West Virginia - Urban	924,906,057	548,231,738	274,115,869	285,080,504	296,483,724	308,343,073	320,676,796	333,503,867	346,844,022	1,605,951,481	3.35	81,785,353	\$61,094
TOTALS	11,230,931,016	7,138,573,985	3,569,286,993									\$672,875	

A - Local Call Model 5-YEAR MOU - incl 4% Growth
Estimated LNP Switch Capability

2001 Est Exp	2002 Est Exp	2003 Est Exp	2004 Est Exp	2005 Est Exp	2006 Est Exp	Five Year Total	07/01 - 06/06
\$12,239	\$19,433	\$30,316	\$42,038	\$43,719	\$56,835	\$170,043	
\$7,405	\$11,758	\$18,342	\$25,435	\$26,452	\$34,388	\$102,883	
\$9,534	\$14,820	\$23,119	\$32,058	\$33,341	\$43,343	\$129,676	
\$1,212	\$1,924	\$3,001	\$4,162	\$4,328	\$5,627	\$16,835	
\$223	\$354	\$553	\$766	\$797	\$1,036	\$3,100	
\$1,278	\$2,030	\$3,167	\$4,391	\$4,567	\$5,937	\$17,763	
\$1,122	\$1,781	\$2,779	\$3,853	\$4,007	\$5,210	\$15,586	
\$1,549	\$2,459	\$3,836	\$5,319	\$5,532	\$7,191	\$21,515	
\$197	\$312	\$487	\$676	\$703	\$913	\$2,732	
\$6	\$9	\$14	\$19	\$20	\$26	\$77	
\$3,167	\$5,028	\$7,844	\$10,877	\$11,313	\$14,705	\$43,999	
\$69	\$108	\$169	\$234	\$244	\$317	\$948	
\$608	\$965	\$1,505	\$2,087	\$2,171	\$2,822	\$8,444	
\$14,399	\$22,863	\$35,666	\$49,457	\$51,436	\$66,866	\$200,055	
\$1,104	\$1,753	\$2,735	\$3,793	\$3,944	\$5,127	\$15,341	
\$1,415	\$2,247	\$3,506	\$4,861	\$5,056	\$6,572	\$19,664	
\$18,142	\$28,908	\$44,937	\$62,313	\$64,905	\$84,247	\$252,056	
\$1,542	\$2,448	\$3,819	\$5,296	\$5,507	\$7,160	\$21,421	
\$1,803	\$2,863	\$4,467	\$6,194	\$6,442	\$8,374	\$25,055	
\$2,999	\$4,762	\$7,429	\$10,302	\$10,714	\$13,928	\$41,671	
\$3,537	\$5,616	\$8,761	\$12,148	\$12,634	\$16,424	\$49,139	
\$8,323	\$13,216	\$20,617	\$28,588	\$29,732	\$38,651	\$115,640	

For -1/02 - 12/06

\$1,440,655

B - Internet Model

Contract Query Rate		2001 Est Exp		2002 Est Exp		2003 Est Exp		2004 Est Exp		2005 Est Exp		2006 Est Exp		Five Year Total	
MOU per Calls		10%		40%		60%		80%		90%		100%			
Assume 29	1999 Exp	\$1,978	\$8,227	\$12,834	\$17,797	\$20,823	\$24,062	\$83,743							
\$25,456,811.11	\$19,016	\$613	\$2,552	\$3,981	\$5,520	\$6,469	\$7,463	\$25,975							
7,896,224.38	\$5,898	\$128	\$534	\$833	\$1,154	\$1,351	\$1,561	\$5,432							
\$12,619,521.00	\$9,427	\$34	\$141	\$220	\$305	\$366	\$412	\$1,434							
\$301,638.72	\$225	\$23	\$97	\$152	\$211	\$247	\$285	\$992							
\$400,142.77	\$1,046	\$109	\$453	\$706	\$979	\$1,145	\$1,323	\$4,606							
\$1,387,374.69	\$1,036	\$108	\$448	\$699	\$970	\$1,135	\$1,311	\$4,564							
\$1,651,281.92	\$1,234	\$128	\$534	\$833	\$1,154	\$1,351	\$1,561	\$5,432							
\$435,789.17	\$326	\$34	\$141	\$220	\$305	\$366	\$412	\$1,434							
\$12,331.89	\$9	\$1	\$4	\$6	\$9	\$10	\$12	\$41							
\$7,050,379.11	\$5,267	\$548	\$2,279	\$3,555	\$4,929	\$5,767	\$6,664	\$23,193							
\$151,916.12	\$119	\$12	\$49	\$77	\$106	\$124	\$144	\$500							
\$838,453.97	\$626	\$65	\$271	\$423	\$558	\$666	\$753	\$2,758							
\$19,865,592.77	\$14,840	\$1,543	\$6,420	\$10,016	\$13,888	\$16,249	\$18,777	\$65,350							
\$1,523,343.11	\$1,138	\$118	\$492	\$768	\$1,065	\$1,246	\$1,440	\$5,011							
\$2,135,951.36	\$1,596	\$166	\$690	\$1,077	\$1,493	\$1,747	\$2,019	\$7,026							
\$16,635,727.97	\$12,427	\$1,292	\$5,376	\$8,387	\$11,630	\$13,607	\$15,724	\$54,725							
\$1,413,772.95	\$1,056	\$110	\$457	\$713	\$988	\$1,156	\$1,336	\$4,651							
\$3,995,816.95	\$2,985	\$310	\$1,291	\$2,015	\$2,794	\$3,268	\$3,777	\$13,145							
\$3,199,669.64	\$2,390	\$249	\$1,034	\$1,613	\$2,237	\$2,617	\$3,024	\$10,526							
\$4,016,559.79	\$3,000	\$312	\$1,298	\$2,025	\$2,808	\$3,286	\$3,796	\$13,213							
\$9,452,271.34	\$7,061	\$734	\$3,055	\$4,765	\$6,608	\$7,732	\$8,934	\$31,094							

**CITIZENS COMMUNICATIONS COMPANY
LOCAL NUMBER PORTABILITY (LNP) STUDY
2000 MINUTES OF USE**

Orig / Term split	62.8%		62.8%		62.8%	
	EAS		State Intralata Toll		I-State Intralata Toll	
Study Area	Total Mins	Orig. Mins	Total Mins	Orig. Mins	Total Mins	Orig. Mins
Arizona - Rural	362,872,416	227,883,877				
Arizona - White Mtn.	67,375,211	42,311,633				
California	1,392,334,363	874,385,980				
California - Golden St.	200,494,848	125,910,765				
California - Tuolumne	43,118,433	27,078,376				
Idaho	96,323,218	60,490,981				
Montana	11,633,922	7,306,103				
Navajo - Arizona	22,978,229	14,430,328				
Navajo - New Mexico	11,003,537	6,910,221				
Navajo - Utah	0	0				
Nevada - North	6,585,497	4,135,692				
Nevada - South	0	0				
New York - Red Hook	226,555,990	142,277,162				
New York - Upstate	1,861,595,034	1,169,081,681				
New York - West. Co.	248,012,099	155,751,598				
Oregon	144,743,181	90,898,718				
Tennessee	574,274,756	360,644,547				
Tennessee - Vol. St.	430,383,564	270,280,878				
Utah	166,813,591	104,758,935				
West Virginia - Mtn. St.	193,431,402	121,474,920				
West Virginia - Rural	295,108,963	185,328,429				
West Virginia - Urban	903,088,749	567,139,734				
2000 TOTALS	7,258,727,003	4,558,480,558	0	0	0	0
2001 PROJECTION						
WITH 6% GROWTH		4,831,989,391		0		0
2002 PROJECTION						
WITH 6% GROWTH		5,121,908,755		0		0
2003 PROJECTION						
WITH 6% GROWTH		5,429,223,280		0		0
2004 PROJECTION						
WITH 6% GROWTH		5,754,976,677		0		0
2005 PROJECTION						
WITH 5% GROWTH		6,100,275,278		0		0
2006 PROJECTION						
WITH 6% GROWTH		6,466,291,794		0		0
total...		28,872,675,784		0		0
FIVE YEAR AVERAGE		5,774,535,157		0		0
A - Local Call Model 5-YEAR AVERAGE MOU						
CALLS -- @ MOU / Call	6.311	914,995,271	4.043	0	4.043	0
RBOCs have 79.8% of						
U.S. access lines	79.8%	730,166,226	79.8%	0	79.8%	0
Expense per year at						
\$.0029 / call query						
charge - Qwest rte per						
query weighted with						
Illuminet rate per year	0	\$1,538,791				
\$0.0021075	EAS					
#DIV/0!	State I/L Toll					
#DIV/0!	I-S I/L Toll					
Five year expense		\$7,693,957				

SOURCE: DEM Minutes from Annual 1999 Traffic Factor Studies

Growth from FCC's "Trends in Telephone Service December 2000" DEM growth from 1994 - 1998 averaged 6% per year
 Estimated Query Cost (EAS, IntraLATA toll,
 interLATA toll) \$7,693,957

CITIZENS ESTIMATED LNP QUERY COSTS -- 2001 TO 2006

Lifeline Access
Year 2000

Jan	31,690
Feb	31,463
Mar	31,915
Apr	32,433
May	32,545
June	33,938
July	32,647
Aug	34,216
Sept	33,269
Oct	35,145
Nov	36,643
Dec	37,492

Citizens Originating / Terminating Split
Oregon and California Studies

Oregon 1999 EAS

Originating EAS	561,703	MOU
Terminating EAS	426,024	MOU
Total EAS	987,727	
O/T Ratio		0.5687

California 1999 EAS

Orig / Term Ratio	0.6873
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Average O/T ratio	0.6280
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