NANPA 2008 Annual Report

NEUSTAR®

To stakeholders of the North American Numbering Plan Administration

It is with great pleasure that NeuStar, Inc. presents the 2008 North American Numbering Plan Administration (NANPA) Annual Report. This annual report covers NANPA activities from January 1, 2008 – December 31, 2008.

The NANPA annual report focuses on the administration of the various numbering resources of the North American Numbering Plan (NANP). As with previous annual reports, it provides a picture of the state of the NANP at the end of 2008. It also provides a useful and interesting description of the numerous activities undertaken by NANPA during the year. The data included in this report comes from the NANPA website where you can locate the latest numbering information.

NeuStar has served as the NANPA for over ten years. Over this time frame, we have focused on NANPA's core responsibilities of administration of NANP resources, coordination of area code relief planning and the collection of utilization and forecast data from service providers. With this experience, we completely understand the critical nature of the services that NANPA provides the FCC, state regulatory commissions, the telecommunications industry and the general public. Looking forward, we remain committed to providing high quality, neutral, third party administration of the NANP and maintaining the trust you have placed in us.

Feel free to contact any of the NANPA staff, or me, with any comments, suggestions or concerns. Thank you for this opportunity to serve as NANPA.

Sincerely,

Jeffrey Ganek
Chairman and CEO
NeuStar, Inc.

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THE NORTH AMERICAN NUMBERING PLAN

History

AT&T developed the North American Numbering Plan (NANP) in 1947 to simplify and facilitate direct dialing of long distance calls. NANP telephone numbers are ten-digit numbers consisting of a three-digit Numbering Plan Area (NPA) code, commonly called an area code, followed by a seven-digit local number.

The NANP is an integrated numbering plan serving nineteen North American countries that share its resources. Regulatory authorities in each participating country have plenary authority over numbering resources, but all participating countries, implicitly or explicitly, share numbering resources cooperatively. This approach has been successful for more than sixty years.

North American Numbering Plan Administration

AT&T administered shared numbering resources such as area codes until divestiture of the Bell System in 1984, when these functions were transferred to Bellcore under the Plan of Reorganization. On October 9, 1997, the Federal Communications Commission (FCC), acting on a recommendation of the North American Numbering Council (NANC), named Lockheed Martin to serve as administrator of the North American Numbering Plan (NANPA). In December of 1999 NANPA was transitioned from Lockheed Martin to NeuStar. In July 2003 the FCC selected NeuStar through a competitive bid to serve as NANPA for another five year term. In July 2008 and again in January 2009, the FCC extended the current NANPA contract an additional six months.

Regulatory authorities in various NANP countries have named national administrators to oversee the numbering resources assigned by NANPA for use within their countries. NeuStar is the national administrator for the United States (U.S.) and its territories. Science Applications International Corporation (SAIC) Canada serves as the Canadian Numbering Administrator. In other participating countries, regulatory authorities either serve as the national administrator or delegate the responsibility to the dominant carrier. NANPA, in its overall coordinating role, consults with and provides assistance to those regulatory authorities and national administrators to ensure that numbering resources are used in the best interests of all participants in the NANP.

NANPA is not a policy-making entity. In making assignment decisions, NANPA follows regulatory directives and industry-developed guidelines. The North American Numbering Council via its Numbering Oversight Working Group (NOWG) provides continuous oversight of NANPA on behalf of the NANC and evaluates NANPA's performance each year.

NANPA has three core responsibilities: administration of NANP resources, coordination of area code relief planning, and collection of utilization and forecast data from service providers.

NANPA funding

The NANPA function is performed under an FCC contract on a fixed-price basis.

Costs associated with the administration of shared numbering resources are allocated to participating countries based on population, and then further adjusted based on NANPA services used by each country. Participants pay only their share of the costs of the NANPA services they require. Regulatory authorities in each participating country determine how to recover these costs. In the U.S., which pays most of the cost, NANPA is funded by the telecommunications industry under an arrangement specified in FCC rules.

NANPA Neutrality

In accordance with FCC regulations, the NANPA shall be a non-governmental entity that is impartial and not aligned with any particular telecommunications industry segment. Accordingly, while conducting its operations, the NANPA may not be an affiliate of any telecommunications service provider(s) as defined in the Telecommunications Act of 1996. "Affiliate" is a person who controls, is controlled by, or is under the direct or indirect common control with another person. Further, the NANPA and any affiliate thereof, may not issue a majority of its debt to, nor may it derive a majority of its revenues from, any telecommunications service provider. "Majority" shall mean greater than 50 percent, and "debt" shall mean stocks, bonds, securities, notes, loans, or any other instrument of indebtedness.

Notwithstanding the neutrality criteria set forth above, the NANPA may be determined to be or not to be subject to undue influence by parties with a vested interest in the outcome of numbering administration and activities. The NANC, as a federal advisory committee to the FCC, may conduct an evaluation to determine if the NANPA meets the undue influence criterion.

NANP ADMINISTRATION SYSTEM

The NANP Administration System (NAS) provides an automated system for processing number resource applications, collecting resource utilization and forecast data and issuing notifications to the industry on numbering matters. Deployed in 2004, NAS is the primary tool used by federal and state regulators, service providers, service provider consultants and the NANPA in the assignment and administration of the various NANP resources.

At the end of 2008, there were over 1,800 NAS registered users. Over 1,400 users were service providers or their consultants. Over eighty of the users represented federal and state regulatory users. Along with the NAS registered users, there were 3,000 mailing list participants. Mailing list participants receive NANP notifications but do not have access to the system.

In 2008, NANPA, working in cooperation with the FCC, secured various NAS hardware and software maintenance agreements set to expire during the second half of 2008. In addition, NANPA replaced eight NAS servers and other system components that were no longer supported by the equipment vendor. As a result, at the end of 2008, nearly all hardware deployed in NAS had been updated with the latest available technology.

Four NAS trouble tickets were opened and closed in 2008. Three of these tickets involved submitting updates to the user's NAS profile. The remaining ticket addressed the inclusion of Part 4 information on a report generated by NAS.

Below is a discussion of the NAS functionality and how the system supports the assignment and administration of NANP resources.

NAS Central Office Code Administration

NAS mechanizes the central office code administration by processing the following code requests: Part 1 (Central Office Code Assignment Request form), Months to Exhaust Worksheet (required when requesting additional central office codes in a rate center), and Part 4 (Confirmation of Code In-Service form). NAS issues a Part 3 (Central Office Code Administrator's Response/Confirmation form) and a Part 5 Form, used to confirm NANPA's receipt of a Part 4. NAS allows users to complete and submit these forms on-line as well as stores and processes these forms.

NAS auto-populates specific fields within applications with information contained in the user's profile and provides drop-down menus for certain data required on the different forms such as Operating Company Numbers (OCNs), NPAs and rate center information. System checks ensure that all required fields are populated and that the information supplied is valid prior to submission. Supporting documentation associated with an application is provided to NANPA via fax, email or mail. Such documentation includes evidence of certification and network readiness for initial code applications as well as evidence of safety valve waiver approvals.

Once NAS validates the application content and accepts it for processing, the applicant receives confirmation via a tracking number, indicating that the code request was successfully submitted. NAS will also permit code applicants to search for previously submitted forms.

In 2008, an interface between the Pooling Administration System (PAS) and NAS was implemented. Starting in early 2008, service providers no longer had to manually complete and send (via fax or email) a central office code request (Part 1) to the Pooling Administrator. PAS allowed the applicant to submit the CO code request by gathering the necessary information contained on a Part 1. In June 2008, PAS began forwarding this data to NANPA via the NAS/PAS interface. This process includes the appropriate Months-to-Exhaust Form required with any central office code growth request. Once received by NAS, the Part 1 request appears in the work item list of the NANPA Code Administrator, eliminating the need for the Code Administrator to enter the information into the system. When the Code Administrator processes the CO code application, NAS emails the Part 3 to the applicant and the Pooling Administrator as well as sends it via the NAS/PAS interface to PAS. The Part 4 and Part 4A are also sent via the interface.

With the implementation of the NAS/PAS interface, the processing interval for CO code applications (i.e., Part 1 and Part 4s) was reduced in November 2008 from 14 calendar days to seven (7) calendar days. Various adjustments in NAS timers and validations were made to account for the reduction in processing days. With these changes and the interface, the reduction in processing days was accomplished with no changes in NANPA operational staffing requirements.

Applying On-line for Other Numbering Resources

NAS allows on-line application not only for central office codes, but also for other NANP resources such as Carrier Identification Codes (CICs), 5YY-NXX codes, 9YY-NXX codes, 456-NXX codes, NPAs, 800-855 line numbers, and 555 line numbers. In addition, NAS provides real-time reports on the assignment status of these numbering resources. These reports are accessible through the reports section of the NANPA website.

In 2008, NPA 533 was assigned to relieve NPA 500. NAS was modified to accept CO code applications for the 500 and 533 NPAs. NAS reports were modified to report on 500-NXX as well as 533-NXX assignments. Finally, changes were made throughout NAS to reflect the PCS 5YY terminology adopted by the Industry Numbering Committee (INC) for identifying NPA 500 and 533 resources.

NANP Notification System

The NANP Notification System (NNS) provides a vehicle for NANPA to issue notifications when significant events occur. Notifications fall under two categories: Geographic and Non-Geographic Notifications. Geographic Notifications are those issued for documents that have been generated for specific states and/or NPAs. Non-Geographic Notifications are those that relate to the entire NANP and are not related to a specific state or NPA.

Geographic notifications available to the public include:

- New processes and changes in central office (CO) code administration that affect specific states and/or NPAs
- NPAs going into or out of a jeopardy or other changes to the jeopardy status of an NPA
- Press releases announcing new NPAs
- Announcements by state regulators of changes that affect NANP processing
- Data related to the status of resources associated with state conservation deliberations

Non-geographic notifications available to the public include:

- Changes in Industry Numbering Committee (INC) administration guidelines
- Updates on the Numbering Resource Utilization/Forecast (NRUF) Form 502 and associated job aides, as well as procedural changes (such as the introduction of new data fields)
- Changes to NANPA processes that will affect customers (e.g., changes to utilization requirements)
- NANPA Planning Letters and Newsletters
- International activities impacting the NANP and NANP Administration
- New or revised NPA and NANP exhaust projections
- Scheduled system maintenance and system availability issues
- Client education, new forms and tools

NAS users may select any or all of the notification choices available. Notifications concerning NPA relief planning activity remain limited to only the service provider industry and appropriate regulatory agencies.

In 2008, NANPA distributed 194 notifications. The table below illustrates the number of notifications sent in 2008. All notifications are saved in NAS.

Notification Category	Number of Notifications
NPA Relief Planning	124
Non-Geographic	23
Planning Letters	15
Code Administration	12
INC Guidelines	10
Newsletters	5
NRUF	3
Jeopardy	2
Other Geographic	0
Total	194

NAS NRUF

NRUF reporting is a semi-annual process whereby service providers submit utilization and forecast information to NANPA for use in the development of NPA and NANP exhaust projections. NANPA collects and stores this information and provides it to the FCC and state commissions. Service providers are required to report by February 1 and August 1 of each year. Service providers may submit updates and corrections to their submissions at any time during the current reporting cycle.

NAS permits service providers to submit their utilization and forecast data via email (i.e., Excel™ spreadsheet), Electronic File Transfer (EFT) using secure FTP (File Transfer Protocol), compact disk (CD) and on-line. With the on-line method, service providers log into NAS and enter the data requested in the various worksheets contained in the NRUF Form 502. In addition, as many service providers have the need to submit NRUF data between reporting cycles, NAS permits service providers to update or modify previously submitted utilization and forecast data for the current reporting cycle. This on-line capability is also used for reporting utilization and forecast data for the 5YY and 9YY NPAs.

The assignment of the 533 NPA also resulted in changes for NAS NRUF. In addition to updating NAS, NAS NRUF training guides, on-line instructions and geographic and non-geographic job aids were updated as appropriate and posted to the NANPA website.

NAS Reports

NAS provides a number of real-time reports concerning NANP resource assignment and availability, including central office codes, CICs, 5YY NXXs, 9YY NXXs and 555 line numbers. These reports are available on the NANPA website.

In addition to resource availability, NAS permits both service providers and regulators access to numerous NRUF queries and reports. Information provided in these queries is driven by the user's NAS profile. Service providers only have access to their own information, while state regulators have access to utilization and forecast data for the area codes in their respective states.

NAS User Registration

All users of NAS are required to register in the system. The user registration process allows a user to indicate the various NAS capabilities he or she intends to use.

There are different types of users of NAS, including U.S. service providers, non-U.S. service providers, consultants authorized to request numbering resources on behalf of a service provider, federal and state regulators and other individuals or entities with a valid interest in number administration matters. For each user type, specific NAS capabilities are available for use. These capabilities include the ability to 1) submit requests for central office codes (CO Code Administration), 2) access NRUF on-line capabilities, 3) register for various geographic and non-geographic notifications, and 4) submit applications for other NANP resources such as CICs, 5YY NXXs, 9YY NXXs, 456 NXXs, 800-855 line numbers and 555 line numbers.

All registration requests are reviewed and validated prior to approval. Once NANPA approves the registration request, the user is issued a password. Once registered in NAS, the user is able to update and modify their profile. In 2008, a new capability was added to NAS to permit internal NAS users to view the NAS account history and query the system for specific NNS subscriptions identified in all active NAS user profiles. This capability assists NANPA staff in addressing NAS user account issues.

CODE ADMINISTRATION

Overview

Code administration includes receiving and processing applications for assignment, making and recording assignments, reclaiming resources no longer needed, updating information associated with assigned resources and keeping the industry informed as the supply of available resources approaches exhaust. The scope of code administration includes these numbering resources:

- Numbering plan area (NPA) codes (area codes);
- Central office codes;
- PCS 5YY codes;
- 9YY-NXX codes;
- N11 codes;
- 555-XXXX line numbers;
- Carrier identification codes (CICs);
- International inbound NPA 456-NXX codes;
- 800 855-XXXX line numbers;
- ANI II digits (Automatic Number Identification Information Integers); and
- Vertical service codes.

Subsequent sections of this report discuss each of these resources in greater detail.

Resource report—NPA codes

Contact: John Manning, 571-434-5770

NPA codes, often called "area codes," are the first three digits of the 10-digit NANP telephone number. NPA codes are in NXX format, where N is any digit from 2 through 9 and X is any digit from 0 through 9. Attachment 1 to this annual report provides an inventory of NPA codes.

Most NPA codes designate specific geographic areas; for example, NPA 202 services Washington D.C. and NPA 207 covers the state of Maine. NPA codes used in this manner are called geographic NPA codes. As of December 31, 2008, 328 geographic NPA codes were in service. Of these, 283 serve the U.S. and its territories, 27 serve Canada, and the remaining 18 serve Bermuda and the Caribbean countries participating in the North American Numbering Plan. Attachments 2 and 3 to this annual report are tables of geographic NPA codes currently in use, sorted by location and numerically.

Other NPA codes designate special services such as toll-free calling rather than geographic areas. These codes are called non-geographic NPA codes. Normally, NPA codes ending in a repeating digit, called "easily recognizable codes," are used to identify toll-free or other special services. Currently 10 such codes are in use. One new non-geographic NPA code, 533, was assigned in 2008 in relief of the 500 NPA. The assignment of 533-NXX codes will commence once all the codes from the 500 NPA have been assigned. Attachment 4 lists the non-geographic NPA codes currently in service.

Introduction of a new geographic NPA code follows a plan and schedule approved by regulatory authorities. The plan is summarized in one or more planning letters on the NANPA website. Once an NPA code is assigned for a geographic area or special service, an implementation period follows. The most visible implementation activities include preparing the network to accept the new NPA code, introducing any required changes to the dialing plan, and informing the public about how the new code is to be used. The new code is said to be "in service" when it becomes generally dialable.

2008 Activities

Three new NPA codes were introduced in 2008, as shown in the table below.

Table 1: NPAs Introduced in 2008

NPA	Date In Service	Location	Overlay?	Parent NPA	Planning Letter Number(s)	NPA Overlay Complex
581	9/19/2008	Quebec, Canada	Yes	418	373R1, 367	418/581
587	9/19/2008	Alberta, Canada	Yes	403/780	374, 369, 364	403/780/587
657	9/23/2008	California	Yes	714	368, 206, 169	714/657

Six area codes were assigned in 2008. NPA 533 was assigned as the relief code for the Personal Communications Service (PCS) 500 non-geographic NPA. NPA 681 was assigned as the relief area code for the West Virginia NPA 304. NPA 343 was assigned to relieve the Ontario, Canada NPA 613. NPA 458 was assigned to relieve the Oregon NPA 541. NPAs 534 and 274 were assigned to relieve the Wisconsin NPAs 715 and 920, respectively.

As of December 31, 2008, 40 previously-assigned NPA codes remained to be introduced, as shown in the table below. The "status" column provides the key to understanding the table. A status of "pending" indicates that the regulatory authority has yet to determine an in-service date for the new code. Typically this means that the new NPA will not be introduced until additional numbers are needed. A status of "suspended" indicates that the regulatory authority has placed the plan for introducing the new code on hold, and that the plan may be canceled or revised in the future.

Table 2: NPAs planned but not yet introduced

New NPA	Location	Country	Anticipated In Service Date	Parent NPA	Status	Planning Letter Number(s)
227	MD	US		240	Pending	
274	WI	US	3/10/2012	920	Scheduled	385
283	OH	US		513	Suspended	316 286 264
341	CA	US		510	Suspended	206 190
343	Ontario	Canada	05/17/2010	613	Scheduled	
364	KY	US	03/28/2010	270	Scheduled	376, 371 365
369	CA	US		707	Suspended	238 210
380	OH	US		614	Suspended	317 297 290
385	UT	US	03/29/2009	801	Scheduled	366, 363,337, 326 308 248 231
442	CA	US	11/21/2009	760	Scheduled	381, 377, 238 194
447	IL	US		217	Pending	
458	OR	US	02/10/2010	541	Scheduled	383
464	IL	US		708	Pending	195
470	GA	US		678	Pending	269
475	CT	US		203	Pending	255 217
533	NANP area			500	Pending	382 379 372
534	WI	US	8/14/2010	715	Scheduled	384
557	MO	US		314	Suspended	303 279 261
564	WA	US		206, 253, 360, 425	Suspended	298 239 196
627	CA	US		707	Suspended	238 210
628	CA	US		415	Suspended	206 191
659	AL	US		205	Pending	289 284
667	MD	US		443	Pending	299 266
669	CA	US		408	Suspended	206 149
679	MI	US		313	Pending	227 209
681	WV	US	03/28/2009	304	Scheduled	375
689	FL	US		407	Suspended	325 323
730	IL	US		618	Pending	
737	TX	US		512	Suspended	276 233
747	CA	US	05/18/2009	818	Scheduled	378
764	CA	US		650	Suspended	206 193
822	NANP area			800	Pending	214
833	NANP area			800	Pending	214
844	NANP area			800	Pending	214
855	NANP area			800	Pending	197
872	IL	US		312	Pending	195
935	CA	US		619	Suspended	230 128
959	CT	US		860	Pending	255 217
975	MO	US		816	Suspended	304 280 262
984	NC	US		919	Pending	306 271

Overlays

In an overlay, two or more NPA codes serve all or part of the same geographic area. The term "overlay complex" describes the list of NPA codes included in the overlay. All of the overlays in service today are full-service overlays; that is, numbers in the overlay NPA code(s) are not restricted to any specific service or services. Three new overlays were introduced in 2008. Listed in Table 3 are the overlay complexes in service as of December 31, 2008.

Dialing plans

Each NPA has a basic dialing plan, which indicates the dialing pattern to be used for various types of calls originating in that NPA. In the U.S., dialing plans vary from state to state and from NPA to NPA. Basic dialing plans for U.S. NPAs are listed in Attachment 5 to this annual report.

Key variables in determining a dialing pattern are 1) whether or not the call originates and terminates within the same NPA, 2) whether the call is a local or toll call, and 3) whether the call requires special handling (e.g., credit card, third-party billing, or operator assistance). Some dialing patterns in the U.S. have been largely standardized. Local calls originating and terminating within the same NPA are usually dialed on a seven-digit basis, omitting the NPA code, except in overlay areas where the NPA code must be dialed. Toll calls originating in one NPA and terminating in another are usually dialed with a prefix "1" followed by the ten-digit number. Special handling calls are always dialed with a prefix "0" followed by the ten-digit number.

Most of the variations in basic dialing plans involve toll calls originating and terminating within the same NPA (home NPA toll calls) and local calls originating in one NPA and terminating in another NPA (foreign NPA local calls). In states where the prefix "1" is considered to be a toll indicator, home NPA toll calls are usually dialed as "1" followed by the ten-digit number, and foreign NPA local calls are dialed using the ten-digit number without a prefix. In states where the prefix "1" is used to indicate that a ten-digit number will follow, home NPA toll calls are dialed using just the seven-digit number, and foreign NPA local calls are dialed as "1" followed by the ten-digit number.

Dialing patterns within an NPA also may vary according to service provider capabilities. In addition, in many areas where NPA boundaries split local calling areas, state regulatory commissions and service provider tariffs allow seven-digit dialing across NPA boundaries and even across state lines.

Table 3: NPA Overlays

Location	Overlay Complex
Alberta	403-780-587*
British Columbia	604-778
California	310-424
California	714-657*
Colorado	303-720
Dominican Republic	809-829
Florida	305-786
Florida	407-321
Florida	954-754
Georgia	404-770-678
Georgia	706-762
Illinois	815-779
Illinois	630-331
Illinois	847-224
Maryland	301-240
Maryland	410-443
Massachusetts	508-774
Massachusetts	617-857
Massachusetts	781-339
Massachusetts	978-351
Michigan	248-947
Mississippi	601-769

Location	Overlay Complex
New Jersey	973-862
New Jersey	201-551
New Jersey	732-848
New York	212-646-917
New York	718-347-917
North Carolina	704-980
Ohio	330-234
Ohio	419-567
Ontario	416-647
Ontario	905-289
Ontario	519-226
Oregon	503-971
Pennsylvania	215-267
Pennsylvania	412-724-878
Pennsylvania	610-484
Puerto Rico	787-939
Quebec	514-438
Quebec	418-581*
Texas	214-469-972
Texas	713-281-832
Texas	817-682
Texas	903-430
Virginia	703-571

* New in 2008

Resource report—Central office codes

Contact: Beth Sprague, 571-434-5513

Central office (CO) codes, also known as prefixes, exchanges, or NXX codes, are digits 4 through 6 of the 10-digit telephone number. The following discussion addresses central office codes within geographic area codes.

NANPA administers geographic central office codes in the U.S. and its territories. The Canadian Numbering Administrator performs this function in Canada. In the remaining NANP countries, regulatory authorities are playing an increasingly active role in central office code administration as competition emerges in these countries. Contact information for regulatory and administrative personnel can be found in Attachment 9 to this annual report.

Service providers obtain numbers for their customers by applying for and receiving central office code assignments, each central office code containing 10,000 numbers, for use in the areas they serve. Central office code requests also come through the pooling administrator in order to replenish the supply of available thousands blocks. NANPA central office code administration, with offices located in Sterling, VA, tracks over 141,000 assigned central office codes in the U.S. and its territories. NANPA processed over 15,100 requests in 2008 (down from 18,100 in 2007) for central office code assignments, code returns or changes to existing assignments.

The FCC, in its Number Resource Optimization order series, established detailed criteria for the assignment of initial and growth central office codes in the U.S. and its territories. The process of applying for a central office code assignment based on FCC rules and regulations is specified in guidelines developed by the industry. The latest version of the guidelines can be found at the Alliance for Telecommunications Industry Solutions (ATIS) website at **http://www.atis.org/inc/incguides.asp**.

Central Office Code Activity

Central office code monthly application and assignment activities during 2008 are shown in the table below.

The rows in the table should be interpreted as follows:

- **Assignments**—Applications that resulted in the assignment of a new central office code.
- **Changes**—Applications that resulted in a change to the information associated with a code assignment, for example, the Operating Company Number (OCN) or switch.
- **Denials**—Applications not meeting the criteria for assignment as prescribed by the FCC and embodied in the central office code assignment guidelines.
- **Cancellations**—Applications canceled or withdrawn by the applicant. These applications are not counted in the total quantity of applications processed.
- **Canceled Disconnects**—Applications requesting the return (disconnect) of an assigned code that was canceled after NANPA issued the Part 3 approving the return.
- **Disconnects**—Applications requesting the return (disconnection) of an assigned code.
- **Reservations**—Applications requesting and receiving a code reservation.
- **Total Processed**—Total quantity of applications processed by NANPA.
- **Pooling Pass-Thru**—Applications processed by NANPA that came through the National Pooling Administrator.

The quantity of CO code assignments in 2008 as compared to 2007 was down by 270 codes. Central office code change requests in 2008 were down 17% when compared to 2007. The quantity of disconnects in 2008 and the number of applications coming to NANPA via the Pooling Administrator remained the same as in 2007.

Beginning in late 2004, NANPA was directed by the FCC to assist in certain aspects of the Debt Collection Improvement Act of 1996. Specifically, NANPA was directed to withhold assignment of numbering resources to an entity identified by the FCC as delinquent in their payments to the Commission. In accordance with this requirement, NANPA denied three (3) central office code assignment requests in 2008.

Table 4: 2008 Monthly CO Code Activity

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Assignments	269	211	240	247	301	256	204	226	269	365	215	143	2,946
Changes	277	1,031	2,459	425	540	442	323	2,190	625	507	1,321	450	10,590
Denials	49	87	72	52	111	120	69	48	60	102	40	55	865
Cancellations (Note 1)	10	19	20	15	44	7	13	47	15	16	29	24	259
Canceled Disconnects (Note 1)	2	6	0	0	0	0	8	0	0	0	0	0	16
Disconnects	40	70	56	35	24	37	99	28	52	277	26	40	784
Reservations	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Processed	635	1,399	2,827	759	976	856	695	2,492	1,006	1,251	1,602	688	15,186
Pooling Pass-Thru	315	655	1,342	515	553	506	360	1,084	475	610	850	435	7,700

Note 1 – Applications that are canceled are not included in the total quantity of applications processed.

Central Office Code Activity (Year over Year)

NANPA also tracks year over year assignment data to identify any trends in CO code assignment rates. Table 5 shows the total quantity of CO codes assigned since 2000. Also included is the net demand for the year, reflecting the total number of codes assigned less the number of codes returned.

Table 5: Year over Year CO Code Assignments

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2000	15,027	11,365
2001	10,398	4,304
2002	7,178	3,574
2003	3,245	1,457
2004	3,128	2,144
2005	3,312	2,307
2006	4,078	3,412
2007	3,216	2,467
2008	2,946	2,162

Central Office Code Administration Quality Measurements

Central office code administration quality results for 2008 are summarized in Table 6. A detailed description of the quality measurements follows.

The table shows three primary measurements:

1. **Application processing** — NANPA is required to process central office code applications within 14 calendar days. The table shows the percentage of applications processed within 14 calendar days, the number of applications exceeding the 14 calendar day period, and, for those applications requiring more than 14 calendar days, the "average number of days late." The results in the table show uniform, high quality processing.
2. **Codes assigned without a code conflict or reject** — A 'Code Conflict' occurs when a code assigned by NANPA cannot be placed into service due to a dialing conflict. A 'Code Reject' occurs when a code assigned by NANPA must be replaced because the code originally assigned cannot be placed into service.
3. **Telephone calls** — Code administrators are required to return telephone calls by no later than the end of the next business day. The table shows the percentage of telephone calls returned during the required period along with the "average days late" for calls returned outside of the required period.

2008 Activities

Below is a summary of central office code administration activities in 2008.

Modified Part 1 and Part 3 Reports sent to State Commissions — Effective February 22, 2008, the daily/weekly/monthly NAS Part 1 – Central Office Code (NXX) Assignment Request and Part 3 – Administrator's Response/Confirmation reports sent to state regulators were modified to include the PAS tracking number and the application type (LRN request, pooling replenishment, or dedicated customer). This modification permitted regulatory personnel to associate a thousand block request made to the Pooling Administrator that required the assignment of a CO code.

Table 6: 2008 CO Code Administration Quality Results

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.	Percent of central office code applications processed in 14 calendar days*	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Number of applications exceeding 14 calendar days	0	0	0	0	0	0	0	0	0	0	0	0
	Average days late for applications exceeding 14 calendar days	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.	Percent of central office codes assigned without code reject or conflict	100.0%	100.0%	100.0%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	A. CO code rejects (Note 1)	0	0	0	0	0	0	1	0	1	0	1	0
	B. CO code conflicts (Note 1)	0	0	0	0	1	0	0	0	0	0	0	0
3.	Percent of administrator phone calls returned by end of next business day	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Total number of administrator calls	151	337	184	180	159	159	159	167	167	130	105	180
	Average days late for phone calls returned late	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Beginning November 17, 2008, applications were required to be processed in seven (7) calendar days.

Note 1 – A code reject is not due to NANPA error while a code conflict represents a NANPA assignment error

Assigned Blocks in NAS — Effective February 22, 2008, a daily download of assigned one thousand blocks from the Pooling Administration System (PAS) was incorporated into NAS in order to assist in validating a CO code application as either an initial or growth request in a specific rate center.

Implementation of the NAS/PAS Interface — On June 27, 2008, the interface between the NANP Administration System (NAS) and Pooling Administration System (PAS) was implemented. With the interface, PAS permits the applicant to submit the central office code request by gathering the necessary information contained on a Part 1 and forwarding that data to NANPA via the NAS/PAS interface. This process includes the appropriate Month-to-Exhaust Form required with any code growth request. Once received by NAS, the Part 1 request appears in the work item list of the Code Administrator. When the Code Administrator processes the central office code application, NAS emails the Part 3 to the applicant and the Pooling Administrator and sends it via the NAS/PAS interface to PAS. Both the Part 4 - Confirmation of Code in Service and the Part 4A - Confirmation of Code in Service (submitted by the Pooling Administrator) are also sent via the interface.

Enhanced Delinquent Part 4 Notifications to State Commissions — On June 27, 2008, the email sent to the state regulator concerning the submission of a delinquent Part 4 to NANPA was enhanced to provide the company name and OCN in addition to the NPA-NXX.

Reduction in CO Code Process Interval — Effective November 17, 2008, NANPA began processing Part 1 and Part 4 forms in seven (7) calendar days rather than in 14 calendar days. In addition, the Part 1 included a new field that permitted code applicants to request the earliest possible effective date that NANPA may grant for a non-expedited request.

Managing Jeopardies — When the supply of codes in a particular NPA is at risk of exhausting before a new area code or other relief measure can be introduced, NANPA declares "jeopardy" in that NPA. When jeopardy is declared, code allocations are initially set at 3 codes per month. The industry, with the assistance of code administration and relief planning, develops local industry jeopardy procedure options at a meeting convened by NANPA. Once determined, local jeopardy procedures are posted on the NANPA website, **www.nanpa.com**.

At the end of 2008, 26 NPAs were in jeopardy. One area code was removed from the list of jeopardy NPAs in 2008 as NPA relief was implemented.

Reclamation — Each central office code assignment has an associated "effective date" when the code will be placed in service. The assignment guidelines require that the code be placed in service no later than six months after the original effective date. The assignee confirms that the code is in service by submitting a Part 4 to NANPA. NANPA responds to the code applicant in writing by sending the "Administrator's Response – Receipt of the Part 4". If a Part 4 has not been received by NANPA during the first five months following the original effective date, NANPA will send a reminder notice to the code assignee.

NANPA tracks code assignment effective dates, and, if the Part 4 is not received within the six-month period following the effective date, the code is considered to be delinquent and NANPA notifies the appropriate regulatory authorities. The NRO order delegated authority to the states to determine whether or not delinquent codes should be reclaimed. The FCC makes reclamation decisions for those states that decided not to participate in the process. The NANPA website provides detailed information about the reclamation process, including contact information for each participating state and the FCC.

To measure reclamation effectiveness, NANPA monitors the percentage of delinquent codes on which it begins the reclamation process, along with the number of codes recovered each month. The recovery of a code must be directed by the appropriate regulatory authority. NANPA also monitors the reclamation lists provided to the states/FCC to ensure there are no errors or discrepancies. Table 7 reflects the reclamation activity in 2008.

Table 7: 2008 CO Code Reclamation Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Percentage of applicable codes on which reclamation was started	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Number of codes for which a Part 4 was not rec'd 180 days after NANPA effective date (Note 1)	46	37	24	28	26	28	21	50	102	21	49	29
Number of codes on which reclamation started late.	0	0	0	0	0	0	0	0	0	0	0	0
Codes recovered (Note 2)	0	0	0	1	1	1	1	1	0	0	0	0
Number of Reclamation Discrepancies Reported by State Commission(s) Regarding Monthly Reclamation List	0	0	0	0	0	0	0	0	0	0	0	0

Note 1: Quantity of codes for which NANPA did not receive a Part 4 in service confirmation 180 days after the original effective date.

Note 2: This measurement shows the number of codes recovered through the reclamation process (the state or FCC directed NANPA to reclaim the code).

Resource report—5YY-NXX codes

Contact: Nancy Fears, 830-632-5979

NANPA assigns 5YY-NXX codes to carriers that provide personal communications service (PCS) to customers. The assignment guidelines, which may be downloaded from the ATIS website (**http://www.atis.org/inc/incguides.asp**), define personal communications service as:

> *… a set of capabilities that allows some combination of personal mobility, terminal mobility, and service profile management. It enables each personal communication service user to participate in a user-defined set of subscribed services, and to initiate and/or receive calls on the basis of some combination of a personal number, terminal number, and a service profile across multiple networks at any terminal, fixed or mobile, irrespective of geographic location. Service is limited only by terminal and network capabilities and restrictions imposed by the personal communication service provider.*

It should be noted that the 5YY resource is not portable; the NXX identifies the service provider.

In 2008, NANPA assigned the 533 NPA in relief of the 500 NPA. However, only 500-NXX resources were assigned.

During 2008, NANPA assigned 152 new 500-NXX codes (yielding an average assignment rate of 12.6 codes per month). This is approximately the same quantity of codes assigned in 2007.

At the beginning of 2008, there were 77 500 NXX codes available for assignment. Exhaust was forecasted within six months. Due to the forecasted exhaust of this resource, NANPA initiated a close review of 500 NXX assignments by requesting detailed assignment information on codes with less than 10% utilization reported on the February 2008 NRUF submission. This effort resulted in the recovery of over 200 500-NXX codes. At the end of 2008, a total of 651 NXX codes were assigned, a total of 214 codes had been reclaimed/returned, and 140 codes remained available for assignment. Nine 500-NXX codes are not available for assignment (500-555 and all 500-N11). Based on NRUF forecast data and assignment information on file at the end of 2008, the exhaust of the 500-NXX resource was projected for 2Q09.

In 2008, NANPA issued three planning letters addressing the status of the 500 NPA and the projected exhaust time frame.

NANPA continues to provide information concerning assignments, updates, and reclamations to Telcordia Routing Administration (TRA) for inclusion in the LERG™. NANPA also solicits trouble reporting contact information for 500-NXX assignments and forwards the information to the Network Interconnection Interoperability Forum (NIIF) as required.

Resource report—9YY-NXX codes

Contact: Nancy Fears, 830-632-5979

During 2008, there were four (4) new 900-NXX assignments; seven (7) codes were reclaimed/returned.

Fifty-five 900-NXX codes were not available for assignment as of December 31, 2008. These include 900-N11 (8) and 47 codes reserved for Canadian use.

At the end of 2008, a total of 115 900-NXX assignments were in effect. The number of 900-NXX codes available for assignment was 630. With the quantity of available 900 NXX codes, exhaust of the 900 NPA is not an issue at this time.

NANPA continues to provide information about assignments, updates, and reclamations to TRA for appropriate changes to the LERG™. NANPA also solicits trouble reporting contact information for 900-NXX assignments and forwards the information to the NIIF as required.

Resource report—555 line numbers

Contact: Nancy Fears, 830-632-5979

The intended use for 555 line numbers, in the format 555-XXXX, where X is any digit from 0 through 9, includes the provisioning of information services, but may grow to include a broad range of existing and future services as well. Assignment of 555 line numbers began in August 1994. NANPA assigns these numbers according to industry-developed assignment guidelines that may be found on the ATIS website at **http://www.atis.org/inc/incguides.asp**.

During 2008, there were 132 new 555 line numbers assigned by NANPA. Seven (7) applications were denied. Seven (7) line number assignments were reclaimed in 2008.

At the end of 2008, a total of 7,586 national assignments and 396 non-national line number assignments (296 actual line numbers, assigned to one or more assignees in one or more NPA) were in effect. In addition, 116 line numbers remain in "dispute" status, and 100 line numbers are reserved for the entertainment/advertising industries. At year end 2008, 1,901 555 line numbers were available for assignment.

The current assignment trend indicates no concern for exhaust of this resource.

Resource report—Carrier identification codes

Contact: Nancy Fears, 830-632-5979

Carrier Identification Codes (CICs) are four-digit codes used to route and bill telephone traffic. Normally, an entity acquires a CIC assignment by purchasing Feature Group B (FG B) or Feature Group D (FG D) access from an access service provider. Per a directive from the FCC in 2004, NANPA now assigns FG D CICs to "switchless resellers" without the requirement to purchase direct FG D trunk access before applying for a CIC.

In addition, as the result of an INC agreement, changes to the CIC assignment guidelines effective in October 2006, allow billing and collection clearinghouses ("BC clearinghouses") to obtain FG D and "matching" FG B CICs also without the requirement to first purchase direct access before applying for a CIC. A "BC clearinghouse" is only allowed to apply for a CIC under circumstances when the use of an ABEC

(Alternate Billing Exchange Code) is not permitted as an identifier and/or when the use of an ABEC has been determined as technically non-feasible.

In the U.S., all applicants apply to NANPA directly for CIC assignments (via NAS). If the applicant is a long distance carrier, the access provider must separately provide NANPA with a copy of the Access Service Request (ASR) to verify that direct FG D trunk access has been ordered. If the CIC applicant is a Local Exchange Carrier (LEC), incumbent LEC (ILEC) or competitive LEC (CLEC), a copy of the authorization from a state regulatory commission granting the applicant authority must separately be provided to NANPA in support of their CIC application. If the applicant is a switchless reseller, it must separately provide NANPA with documentation that validates "switchless reseller" status. State regulatory commission certification is required unless the state does not issue switchless reseller certification. If the state does not issue such certification, a written statement by an officer of the applicant company will be accepted to verify "switchless reseller" status. In Canada, companies apply for CICs to the Canadian Numbering Administrator (CNA), who verifies that Canadian regulatory requirements have been met and then the CNA submits the application to NANPA via NAS on behalf of the applicant.

Industry-consensus guidelines for the administration of CICs may be found on the ATIS website. The assignment guidelines encourage LECs providing FG B and/or FG D access service, particularly LECs with more than 30 CICs programmed in their switches, to submit Access Provider semi-annual CIC access/usage reports to NANPA for analysis.

Information contained in these reports serves as the basis for NANPA's reclamation of CICs in an ongoing effort to avoid exhaust of the resource. If no access provider reports access/usage for a given CIC, NANPA initiates reclamation procedures. All CIC assignees, including switchless resellers and "BC clearinghouses", are expected to submit Entity semi-annual access/usage reports to NANPA. These reports demonstrate whether access or usage has been established as well as document that assigned CICs are being used in accordance with the CIC assignment guidelines. To initiate reclamation, a letter (sent via certified mail or by FedEx for delivery verification purposes) advises the assignee of record that direct trunk access/usage must be established with an access provider within 60 days from the date of the letter, or, alternatively, the assignee of record must have the access service provider supply NANPA with verification that direct trunk access/usage was previously established (this allows a reporting error to be detected before reclamation of a CIC is finalized). At the end of the 60-day period, if the requisite information regarding direct trunk access/usage has not been provided, the CIC is reclaimed. In some cases, the Post Office or FedEx returns NANPA's reclamation letter as "undeliverable." In these cases, NANPA advises INC of the inability to contact the assignee, that no direct trunk access/usage is being reported, and that the CIC will be reclaimed and made available for reassignment following the idle period required by the guidelines (12 months), unless INC directs otherwise.

Maintaining accurate assignment records and entity contact information is an ongoing challenge for NANPA due to abandoned CICs and the high volume of mergers, acquisitions, asset purchases and bankruptcies that occur in the telecommunications industry. Obtaining documentation on and verification of these activities is often difficult, but crucial to the integrity of information contained in the CIC assignment databases.

FG D CIC activity

During 2008, NANPA assigned 93 new FG D CICs, yielding an average assignment rate of 7.75 codes per month. US/Canadian switchless resellers received 30 of these assignments. Just as important, NANPA continued its concerted effort in 2008 to investigate and reclaim FG D CICs that were "abandoned" (assigned to companies no longer in business) and/or not in service. Our efforts resulted in the return/reclamation of 97 FG D CICs.

223 codes from the entire FG D CIC resource are not available for assignment. These include CICs 9000-9199, which are available to all carriers for intranetwork use only. Also included are CICs 0000 and 5000, used exclusively for testing, 0911, and twenty CICs in the formats X411 and 411X, which have been marked unassignable at the direction of the FCC.

At the end of 2008, 2,028 FG D CICs were assigned in total, leaving 7,748 FG D CICs available for assignment. Based on the 2008 average monthly assignment rate, the projected exhaust for the FG D CIC resource is over 90 years. Note that reclaimed/returned FG D CIC assignments are not factored into this projection, and that this projection is based on current circumstances; i.e., the FCC limit of 2 FG D CICs per "entity."

As of the end of 2008, NANPA had identified 132 FGD CICs as "abandoned" (CICs assigned to companies no longer in business, or CICs assigned to companies that have sold assets to other entities, or companies that have been acquired by other entities through mergers/acquisitions). These CICs are now listed in NANPA's records with no valid contact information. The assignee of these CICs and/or the companies that have acquired the CIC assignee company(ies) have failed to adhere to the CIC assignment guidelines by providing NANPA with legal documentation of the activities described in this paragraph. NANPA has been unable to reclaim these "abandoned" CICs since activity (FGD access and/or usage) appeared on access providers' 2008 semi-annual CIC reports

Table 8: Monthly FG D assignments, denials, and reclamations

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	8	22	0	2
February	6	10	2	2
March	9	3	0	2
April	8	6	0	1
May	6	1	0	3
June	6	0	2	3
July	15	4	0	8
August	7	14	1	5
September	9	3	1	2
October	10	13	0	2
November	5	11	0	3
December	4	10	0	5
Total	93	97	6	38

FG B CIC activity

During 2008, two (2) FGB CICs were assigned by NANPA and seven (7) FG B CICS were returned/reclaimed. At the end of 2008, 289 FG B CICs were assigned in total. The potential exhaust of the FG B CIC resource is not a concern based on the current rate of assignment.

As of the end of 2008, NANPA had identified 28 FGB CICs as "abandoned" (CICs assigned to companies no longer in business, or CICs assigned to companies that have sold assets to other entities, or companies that have been acquired by other entities through mergers/acquisitions). These CICs are now listed in NANPA's records with no valid contact information. The assignee of these CICs and/or the companies that have acquired the CIC assignee company(ies) have failed to adhere to the CIC assignment guidelines by providing NANPA with legal documentation of the activities described in this paragraph. NANPA has been unable to reclaim these "abandoned" CICs since activity (FGB usage and/or access) appeared on access providers' 2008 semi-annual CIC reports.

Table 9: Monthly FG B assignments, denials, and reclamations

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	0	1	0	0
February	0	0	0	0
March	0	1	0	0
April	0	1	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	1	0	0	0
September	0	1	0	1
October	1	1	0	1
November	0	0	0	0
December	0	2	0	0
Total	2	7	0	2

Resource report—N11 codes

Contact: John Manning, 571-434-5770

N11 codes, listed with their descriptions in the table below, are the only valid three-digit telephone numbers in the NANP.

The FCC administers N11 codes in the U.S., pursuant to the Telecommunications Act of 1996. The CRTC administers N11 codes in Canada. It should be noted that 411 and 611, although long used for the purposes indicated in the table below, have not been formally assigned by the FCC in the U.S. at this time.

There was no N11 assignment activity in 2008.

Table 10: N11 Code Assignments

N11 Code	Description
211	Community information and referral services
311	Non-emergency police and other governmental services (U.S.)
411	Local directory assistance
511	Traffic and transportation information (U.S.); Provision of Weather and Traveler Information Services (Canada)
611	Repair service
711	Telecommunications relay service (TRS)
811	Access to One Call Services to Protect Pipeline and Utilities from Excavation Damage (U.S.); Non-Urgent Health Teletriage Services (Canada)
911	Emergency

Resource report—456-NXX codes

Contact: John Manning, 571-434-5770

The purpose of NPA 456 and its associated NXXs is to enable the routing of inbound international calls for carrier-specific services, particular to that service provider's network, to and between countries served by the NANP. NANPA assigns 456-NXX codes to carriers under industry-developed guidelines that may be found on the ATIS website at **http://www.atis.org/inc/incguides.asp**. The guidelines are entitled "International Inbound NPA (INT/NPA/NXX) Assignment Guidelines."

No 456-NXX assignments were requested during 2008. A complete list of 456-NXX assignments may be found on the NANPA website, **www.nanpa.com**.

Resource report—800-855 numbers

Contact: John Manning, 571-434-5770

800-855 numbers are used only for the purpose of accessing public services on the Public Switched Telephone Network (PSTN) intended for the deaf, hard of hearing, or speech impaired. NANPA assigns these numbers in accordance with industry-developed guidelines that may be found on the ATIS website.

No 800-855 number assignments were made in 2008. A complete l ist of 800-855 assignments may be found on the NANPA website, **www.nanpa.com**.

Resource report—Automatic Number Identification "II" digits

Contact: John Manning, 571-434-5770

Automatic Number Identification (ANI) Information Integers ("II") digits are digit pairs sent with the originating telephone number. The digit pair identifies the type of originating station; e.g., plain old telephone service (POTS) or hotel/motel. Requests for the assignment of ANI II digits are referred to the INC for consideration. If the INC approves the request, NANPA makes the assignment. A complete list of ANI II assignments may be found on the NANPA website, **www.nanpa.com**.

No ANI II digit assignments were made in 2008.

Resource report—Vertical Service Codes

Contact: John Manning, 571-434-5770

Vertical Service Codes (VSCs) are customer-dialed codes in the *XX or *2XX dialing format for touch-tone and the 11XX or 112XX dialing format for rotary phones. They are used to provide customer access to features and services (e.g., call forwarding, automatic callback, etc.) provided by network service providers such as local exchange carriers, interexchange carriers, or commercial mobile radio service (CMRS) providers. NANPA assigns VSCs in accordance with industry-developed guidelines that may be found on the ATIS website.

NANPA made no VSC assignments in 2008. A complete listing of assigned VSCs is available on the NANPA website, **www.nanpa.com**.

NPA RELIEF PLANNING OVERVIEW

Contacts: Wayne Milby, 804-795-5919, Tom Foley, 407-389-8929, and Joe Cocke, 805-520-1945

NPA relief planning precedes the introduction of new geographic area codes. The relief planning process is described in detail in the document entitled NPA Code Relief Planning and Notification Guidelines, ATIS-0300061, which can be found on the ATIS website at to **www.atis.org/inc/incguides.asp**.

NANPA plays a key role in NPA relief planning. At least 36 months before the anticipated exhaust of an NPA in the U.S. or its territories, NANPA's relief planners notify the local industry and state regulatory commission of the impending exhaust and convene a preliminary planning meeting to discuss local dialing arrangements, communities of interest, and other pertinent issues to identify viable methods of relief. Using input from this meeting, relief planners prepare and distribute an initial planning document (IPD) for consideration that outlines several alternative relief plans. NANPA then facilitates an industry meeting (more than one if necessary) to consider the options presented in the IPD and any others that may be proposed. NANPA next prepares a petition explaining the options considered and describes the recommended relief option(s) if the industry has reached consensus to do so. The relief planner submits the petition, on behalf of the industry, to the state regulatory commission for approval.

The respective state commission reviews the proposed plan and often conducts public hearings and invites public comment. When that occurs, the relief planner actively participates and may be called upon to testify relating to various aspects of the proposed relief plan. After the state commission has approved a plan, which may not be one of the options considered by the industry, NANPA requests assignment of the NPA relief code to implement the plan, then convenes and facilitates the first industry implementation meeting. At this and any subsequent implementation meetings that may be held, led by a facilitator chosen by the industry, carriers develop detailed plans for the implementation of the new area code according to the plan approved by the state commission. Using decisions made at the initial implementation meeting, the relief planner then prepares and publishes a planning letter on the NANPA website. The planning letter announces the method of relief selected, the identity of the new area code, the schedule for relief, the new dialing plan, the test number for the new area code, and, in the case of a split, a list of the prefixes moving to the new area code and those remaining in the area code that is receiving relief.

NANPA's relief planners interface closely with central office code administrators and National Pooling administrators. Relief planners schedule and facilitate jeopardy conference calls, and are closely involved in decisions about the timing of relief activities involving central office codes.

In 2008, NANPA initiated three new NPA relief planning projects. In addition, attention continued on monitoring and, as necessary, acting upon current relief plans or projects. For example, NANPA held an additional initial implementation meeting when the proposed NPA relief method was modified by the state commission from an area code split to an overlay. NANPA also worked with one state commission to identify the impact of three new NPA relief alternatives generated as part of the commission's review of a previously-filed petition with the state.

NANPA relief planners facilitated 31 meetings, conducted entirely by conference calls. They supported state commissions by participating in two (2) state-sponsored regulatory hearings and workshops. To keep the industry informed, NANPA issued 124 notifications using the NANP Notification System (NNS). NANPA published nine planning letters describing the details of ongoing area code relief projects and other NPA relief-related state regulatory orders.

Relief planning quality measurements

Industry guidelines prescribe time limitations for the completion of many NPA relief planning activities. To quantify the timeliness of its relief planning work, NANPA has established objectives for the completion of many additional activities, as shown in Table 11. Overall, in 2008, NANPA completed 100% of the 57 tracked activities on schedule, consistent with the results for the previous five years.

Table 11: Relief planning timeliness

Performance Measurement	Events in 2008	Completed on time	% on time completion
Initiated NPA relief planning within 36 months of NPA exhaust.	3	3	100%
Distributed initial industry meeting notice within 8 weeks of relief meeting date.	3	3	100%
Distributed IPD within 4 weeks of relief meeting date.	3	3	100%
Distributed meeting minutes within 2 weeks or date set at the meeting.	29	29	100%
Held minutes review by date set at the meeting.	2	2	100%
Filed relief–related petitions by date set at the meeting.	2	2	100%
Requested relief NPA assignment within 1 week of regulatory approval.	4	4	100%
Issued press release within 2 weeks after relief NPA code assignment.	0	0	N/A
Held implementation meeting within 45 days after relief NPA code assignment.	4	4	100%
Held jeopardy meeting within 30 calendar days after jeopardy declaration.	0	0	N/A
Posted planning letter or notice of industry meeting on website within 3 weeks after implementation meeting.	3	3	100%
Posted planning letter on website within 10 business days after regulatory change.	4	4	100%
Totals	57	57	100%

Relief planners also measured the promptness of their responses to voicemail and e-mail messages. Results showed that NANPA relief planners responded to 100% of client voicemails and e-mail messages by no later than the end of the next business day.

Customer survey feedback

Participants at the three relief planning meetings held in 2008 were asked to evaluate NANPA's performance by completing a survey containing the 11 statements shown in Table 12. Participants indicated their opinion using a 5-point scale, with 5 indicating "strongly agree" and 1 indicating "strongly disagree." The participants of the relief planning meetings held during the year responded and rated their overall satisfaction with NANPA's conduct of the meeting an average of 4.98 out of a maximum of 5.00.

Table 12: Relief planning meeting satisfaction survey

Question	2008	2007	2006
Overall satisfied with conduct of meeting?	4.98	5.00	4.75
Received adequate meeting notice from NANPA?	4.92	5.00	4.94
NANPA was an effective facilitator?	4.96	5.00	4.77
Participant had an adequate opportunity to express opinions?	5.00	5.00	4.83
NANPA conducted the meeting impartially?	4.95	5.00	4.94
NANPA provided satisfactory response to questions and concerns?	4.96	4.93	4.67
NANPA provided satisfactory information about code history and NPA status?	4.98	5.00	4.90
Explained relief alternatives effectively?	5.00	4.93	4.72
Quality of documents and information provided was satisfactory?	4.94	4.86	4.85
NANPA presented well developed and reasonable relief alternatives?	4.95	5.00	4.69
Participant could easily obtain documents?	4.93	4.79	4.89

In 2008, NANPA routinely conducted surveys to measure the quality of conference calls (other than relief planning meetings), where most of the industry's issues are discussed and resolved.

During a one-month sampling period in each quarter, meeting participants rated NANPA's performance in 10 areas (using the same rating scale described previously), such as timely notification, audio quality, facilitation skills, and meeting preparation. The survey covered eight conference calls, including topics such as area code jeopardy, minutes review, regulatory filing review, and implementation meetings. The participants on the sampled conference calls responded to the survey and rated their overall satisfaction with NANPA's conduct of the call an average of 5.00 out of a maximum of 5.00.

Table 13: Relief Planning conference call satisfaction survey

Question	2008	2007	2006
Overall satisfaction with NANPA's conduct of the conference call?	5.00	4.96	4.97
NANPA conducted the conference call in an impartial manner?	4.99	4.97	4.98
NANPA provided adequate notice of the conference call?	4.96	4.95	4.97
Adequate opportunity to express opinions during the call?	5.00	4.99	4.98
NANPA was well prepared for the meeting?	4.98	4.94	4.98
NANPA was an effective facilitator on the call?	5.00	4.92	4.98
Quality of documents and information was satisfactory?	4.95	4.87	4.87
Information provided prior to the call was sufficient?	4.93	4.91	4.86
Easily able to obtain documents?	4.86	4.89	4.81
The conference call facilities (e.g., sound quality) were satisfactory?	4.92	4.80	4.85

Improved relief planning process

NANPA's relief planners continued using the practices below in the relief planning process during 2008:

- A "pre-planning" conference call precedes preparation of each IPD, allowing those with useful local knowledge to contribute to the development of better relief options. Rate center lists are now distributed much earlier in the relief planning process, allowing the industry and state regulatory commissions more time to study this information prior to relief planning meetings.
- All meetings are conducted by conference call to reduce travel costs and increase attendance, except in unusual circumstances and/or at the specific request of the industry.
- At the beginning of each conference call, the NANPA relief planner explains the manner in which the consensus process will be applied in a uniform, impartial manner in the event participants choose to leave the call unannounced.
- NANPA facilitates industry meetings to review and modify the quantity of codes set aside for number pooling when the NPA is in jeopardy. Per industry guidelines, NANPA re-opens jeopardy procedures in order to permit the industry to determine via consensus if modifications to those procedures are needed.
- NANPA shadows industry NPA relief implementation subcommittee meetings to stay informed on the progress of the implementation as well as to gather and share knowledge and information gained via these activities with other similar relief efforts.
- NANPA publishes monthly reports on the status of NPA relief projects. In addition, during the NPA relief planning process, a state regulator or the industry may specify further action that NANPA is required to undertake based on a related event or trigger point expected to occur sometime in the future. NANPA provides a report that lists these events and associated activities.
- When distributing notices concerning relief planning activities, NANPA includes a link in the notice to permit quick and easy access to supporting documentation to be used in the meeting.

NUMBERING RESOURCE UTILIZATION AND FORECAST

Overview

Contact: Al Cipparone, 571-434-5789 and Tom Foley, 407-389-8929

The collection of utilization and forecast data, known as Numbering Resource Utilization/Forecast (NRUF) Reporting, has been in effect since the FCC's Numbering Resource Optimization (NRO) Order in 2000. NANPA is charged with collecting and reporting this data. Service providers are required to report utilization and forecast data twice a year. Utilization data includes the quantity of assigned, intermediate, aging, administrative and reserved numbers. Forecast data typically includes a five-year forecast of the quantity of thousands blocks and/or codes by rate center. The FCC NRO Order also required access to disaggregated NRUF data by state regulatory commissions and heightened reporting enforcement, including the responsibility to withhold numbering resources from service providers that fail to file utilization and forecast reports.

As required by the FCC, NANPA collects, sorts and stores NRUF data submitted by service providers. Data may be submitted via the NANP Administration System (NAS), email (i.e. Excel™ workbook), Electronic File Transfer (EFT), compact disk, or paper. In 2008, NANPA processed more than 14,000 NRUF submissions. NANPA processed these submissions within a ten-day timeframe and provided confirmation of receipt within five days of receiving each submission. In addition to processing submissions, the NRUF group also responded to over 2,200 telephone calls and email inquiries.

Two NAS-NRUF refresher training sessions were held in October and November. Nearly 50 service providers participated. The training covered a variety of topics including a review of the various reporting mechanisms, NRUF filing requirements, and definitions of the usage fields on FCC Form 502. A particular focus was the most common NRUF errors that service providers encounter when submitting their utilization and forecast data and the appropriate corrective action. Applicable training documentation updated in support of the education efforts included the NRUF On-Line Training Guide, Geographic Job Aid and Non-Geographic Job Aid.

2008 NRUF exhaust forecasts

One of the primary uses for NRUF data is to support forecasts of the exhaust date for each NPA as well as the exhaust date for the entire NANP. Detailed projections can be found in Attachments 6 and 7 to this annual report. The methodology used to produce the 2008 NPA exhaust projections was similar to the methodology NANPA has used in the past several years to project area code exhaust. This methodology was reviewed with the North American Numbering Council and the FCC. In reporting the NPA exhaust projections, NANPA provides the previously projected NPA exhaust time frames in order to see the changes that have occurred over time.

NANPA projects NPA and NANP exhaust on a semi-annual basis. Exhaust projections are available at the end of April and October. Throughout the year, NANPA monitors central office code assignment rates in all area codes and will adjust the projected NPA exhaust date if necessary. Events that may impact the projected exhaust date include a reduction in code demand, the assignment or return of a large quantity of codes or the implementation of central office code rationing.

Table 14: Summary of the volume of NRUF submissions and associated items for 2008

Qualitative Measurements	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Form 502 Email Submissions	2,716	747	285	324	158	126	2,125	916	550	326	200	78
Form 502 FTP Submissions	649	91	21	23	25	22	640	94	42	37	19	16
Form 502 Web Submissions	941	293	186	230	225	172	931	322	323	345	86	107
Total Submissions	4,306	1,131	492	577	408	320	3,696	1,332	915	708	305	201
Error Notifications Sent	857	248	61	75	38	30	614	266	142	82	43	11
Missing Utilization Notifications Sent	0	200	75	0	0	0	0	210	0	0	0	0
Anomalous Notifications Sent	0	0	405	248	0	0	0	37	480	144	0	0
Confirmation Notifications Sent	2,479	589	243	266	145	120	2,095	765	442	270	176	83
Phone Calls/Emails Received	375	134	262	168	88	63	310	182	308	249	57	43
State Reports Created	1	0	31	1	2	2	2	0	30	1	0	2
Job Aids Created/Revised	0	0	0	0	2	0	0	0	0	0	2	0

OTHER NANPA SERVICES

NANPA is required to offer specific services as enterprise services. Enterprise services are additional services that may be provided for a specific fee by NANPA.

AOCN enterprise service

Contact: Heidi Wayman (425-335-1351)

Upon request, NANPA will enter data for a service provider's assigned central office codes into the routing and rating database used by the industry to configure the network for the proper routing and rating of calls. This is an enterprise service, i.e., a service for which NANPA is permitted to charge a fee, and a contract between the service provider and NANPA is required. NANPA currently provides this service to over 300 service providers.

Although NANPA is required to provide this service, service providers are not required to select NANPA. The service provider may select another company to enter this information or may elect to enter the data themselves.

Providers of this data entry service are identified by numbers, called Administrative Operating Company Numbers (AOCNs). Over time, the company providing the data input service has come to be called the service provider's "AOCN."

NANPA's AOCN fees are explained in detail on the NANPA website.

Quality Measurements

NANPA's AOCN primary service objective is to complete data entry within five business days of receiving a request. NANPA's performance in 2008, shown in Table 15, reflects outstanding service, ensuring that service providers' code assignment data is input into the appropriate databases to enable the proper rating and routing of calls.

Entry of Paper Submissions of Resource Applications

Contact: John Manning, 571-434-5770

NANPA will enter paper submissions (faxed or mailed copies) of resource applications into the NANP Administration System (NAS) on behalf of the applicant. This includes the application form as well as the in-service confirmation forms (e.g., for central office code administration, the Part 1 and Part 3 forms). In 2008, no code holders used this service.

Entry of Paper NRUF Submissions

NANPA will enter paper submissions (faxed or mailed copies) of the NRUF Form 502 into the NANP Administration System on behalf of the service provider. Normally, respondents submit data through email, FTP or on-line via NAS. For a fee, NANPA will accept and input data submitted by mail or by fax. In 2008, no code holders used this service.

NANPA Testimony in State Regulatory Hearings

NANPA will prepare, file and present oral and written testimony at no charge. Should the state require a NANPA witness(es) to attend the hearing in person, NANPA will require the state to reimburse it for associated expenses (e.g., travel, lodging, meals, local transportation, etc.) for the witness(es) and legal counsel. If the state requires local counsel to represent NANPA at state regulatory hearings, these costs will be passed along to the state. In 2008, no state used this service.

Customized Reports

NANPA offers customized reports for publicly available NPA, central office code and other resource assignment data. Specifically, NANPA creates and provides publicly available data in different formats to accommodate requests to cull data and provide customized reports for a fee that is reasonable and based on its costs. NANPA negotiates a reasonable price with each requestor. Pricing will depend upon report development time and effort, frequency, delivery mechanism, and other variables. In 2008, NANPA created no customized reports.

Financial results

Ernst & Young audits NANPA's statements of revenues and direct expenditures associated with NANPA's enterprise services. The audit is conducted in accordance with auditing standards generally accepted in the United States and the standards applicable to financial audits in Government Auditing Standards. The statements of revenues and direct expenditures are prepared for the purpose of complying with the March 2003 NANPA Technical Requirements Document.

Table 15: 2008 AOCN Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Percentage of AOCN inputs completed in 5 days	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percentage of AOCN phone calls returned by the end of the next business day	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total number of AOCN calls	45	56	40	45	50	35	50	42	52	55	30	38

INC Participation

Contact: Beth Sprague, 571-434-5513

NANPA was an active participant in the INC during 2008, introducing 12 new issues and submitting 14 contributions, as shown in the following tables. In 2008, NANPA provided the INC with written communications concerning NANPA change orders, historical resource assignment information, approval for reclamations, exhaust of specific resources and updates on NANPA's interactions with regulatory authorities. In addition, NANPA served as co-chair of the NPA Subcommittee.

Table 16: NANPA INC Issues Introduced in 2008 and Supporting Contributions

Issue Number	Supporting Contribution Number	Issue title
579*		NPA Relief and p-ANI Resources
587	NPA-231	Revise NPA Relief Planning Guidelines to Address Posting of the Planning Letter to the NANPA Website after a Regulatory Change is Ordered
588	Note 1	Amend Section 2.14 of the COGAG Appendix C
589	NPA-238	Sint Maarten Application to join the NANP
595	NPA-232	Specify that Test Numbers are Non-Charged
597	CO-NXX 429	Revise CO Code (NXX) Assignment Guidelines to Address Use of the Home NPA-NXX Code
603	NPA-236	Revise COCAG to Address Notification of NPA Data sent to TRA
606	CO-NXX 441	Amendments to Section 7.2 of the CO Code (NXX) Guidelines
607*	DMM-189*	Update 900 NXX Code Assignment Guidelines with 9YY to be consistent with the Personal Communications Services (PCS) 5YY NXX Code Assignment Guidelines
608		Notification to SMS/800 Help Desk of ANI Conversion Completion for NPA Split
612	CO-NXX443 & 433 Rev 1	Submission of NPA Split List to NECA
619	NPA-239	NPA Code Relief Implementation Practices

* Indicates additional INC participants sponsored the issue or contribution.
Note 1 – Proposed solution was included in issue statement

Table 17: NANPA 2008 Contributions to Other Issues

Contribution Number	Title-Issue
NPA-230	Issue 568 – Updates to Attachments to the Uniform Dialing Plan Document
LNPA-567*	Issue 604 – New Code Holder Definition and TBPAG Edits
CO-NXX-445*	Issue 611 – NANPA Analysis of the Utilization of Codes and Thousand-Blocks as Reported by Service Providers via NRUF
DMM-194*	Issue 575 – Updates to the Procedures for Change in E.164 Country Codes
VoIP-36	Issue 497 – Update to the COCAG regarding VoIP Service Providers

* Indicates additional INC participants sponsored the issue or contribution.

NANPA website

Contact: John Manning, 571-434-5770

The NANPA website, **www.nanpa.com**, is the primary public source of numbering information. It provides a complete description of the different services offered by NANPA. These services include resource administration, area code relief planning, NRUF data collection and analysis and enterprise services. All of the various numbering resources administered by NANPA, including a description of their use and links to their associated administration guidelines, can easily be accessed via the website. Area code maps, planning letters, newsletters and other NANPA publications are readily available. The NANPA website is also the gateway into NAS.

Popular on the website are the numerous downloadable reports on the various resources NANPA administers. Many of the reports are available real-time, providing the most up-to-date source on resource availability. Some of the most frequently requested reports include the following:

- The Central Office Code Availability and Utilization Reports provide up-to-date lists of all central office codes generally available or unavailable for assignment by geographic area code. The data is also available by NPA in a downloadable format (text and Excel™).
- The Central Office Code Assignment Activity Records provide the quantity of central office codes assigned and returned for each geographic area code on a monthly basis.
- The Part 3 Disconnect report provides a daily listing of central office codes with a pending disconnect date.
- The Central Office Code Activity Status Report provides the total number of new applications processed by NANPA by month for each state, including assignments, denials and return requests.
- Downloadable reports containing assignment information for CICs, 555 line numbers and 5YY and 9YY resources.
- Geographic Area Codes sorted by number and location.
- Planned area codes not yet in service as well as area codes introduced since 1995.
- The NPA Relief Activity Status Report provides information on all active and pending NPA relief projects in the United States.
- The NPA Triggers Report identifies specific actions to undertake based on a related event or trigger point expected to occur sometime in the future.

The home page of the website offers links to recent information or activity, under the "What's New" section. Also included is a section called "NANPA Fast Track," containing links to the most visited pages on the website. Included under the "NANPA Fast Track" section is a capability that allows the user to search for information about a specific NPA. Information that can be found includes if and/or when the area code was assigned, the location of the NPA, the in-service date where applicable, the NPA that it relieved, the time zone associated with the area code, the NPA dialing plan and other valuable data. The NPA database may also be downloaded from the NANPA website.

The website also provides the ability for interested parties to submit questions related to numbering issues and receive responses, and many such questions are received by NANPA daily. In 2008, NANPA received nearly 700 inquiries via its feedback mechanism. Inquiries range from the general public requesting information on dialing plans and companies seeking the latest information concerning the assignment of area codes and prefixes to how to establish telecommunications businesses and obtain numbering resources. Responding to these questions is a valuable service provided by NANPA to the general public.

A few enhancements were made to the website in 2008. NANPA initiated the posting of reclamation letters for various NANP resources (i.e., Carrier Identification Codes, 500 NXXs and 900 resources) that were sent to the Industry Numbering Committee (INC) for their concurrence. The report "NPAs Introduced since 1995" was enhanced to include a column that identifies the parent (old) NPA and a separate column showing the NPAs included in the NPA overlay complex. A new link was added to the Safety Valve Matrix under "NANPA Fast Track" on the home page. Finally, the Frequently Asked Questions (FAQs) were updated on the website.

NANPA Newsletters

NANPA publishes quarterly newsletters and posts them on the NANPA website. These newsletters provide up-to-date information on resource assignments and trends, area code relief planning activities, notifications concerning NRUF submission requirements and other general number administration information. In 2008, articles appeared that addressed common errors and their fixes when completing an NRUF Form 502, tips for first-time NRUF filers, 500 NPA exhaust, NANPA and its neutrality requirements, and the implementation of the NAS/PAS interface and other NAS enhancements.

Support for NANP countries other than the U.S.

The NANP is unique among the world's numbering plans in that it serves 19 independent countries. These countries include the United States and its territories, Canada, Bermuda, Anguilla, Antigua & Barbuda, the Bahamas, Barbados, the British Virgin Islands, the Cayman Islands, Dominica, the Dominican Republic, Grenada, Jamaica, Montserrat, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, and Turks & Caicos.

One of NANPA's most important roles is to coordinate the assignment of numbering resources that must be shared equitably by all of the participating countries. Area codes are, of course, the primary shared resource, but there are others. For example, entities in Canada, Anguilla, Bermuda and the Dominican Republic use CICs. Canadian entities offer 900 services, and thus share the supply of 9YY-NXX codes. NANPA may interface with other countries' national numbering administrators during the resource request and assignment process. Normally, the national administrator receives the requests, ensures that their country's regulatory requirements are met, and forwards the requests to NANPA. NANPA verifies that industry requirements are met and assigns the resources if appropriate to do so.

Support to the FCC, state commissions, and the NANC

In order to ensure the proper and efficient administration of NANP resources, NANPA meets regularly with the FCC, state commissions, and the North American Numbering Council (NANC) in support of their needs for numbering information.

Ongoing communications between NANPA and the FCC are necessary to ensure proper administration and management of NANP resources. Under the FCC contract, NANPA provided numerous reports and other documentation required by the contract. These reports consisted of monthly reports on central office code assignments, assignment of other NANP resources such as CICs, area code relief planning projects, NAS performance and NANPA staffing. NANPA provided the FCC with service provider-specific utilization and forecast data submitted by carriers via the NRUF reporting process. NANPA reviews with the FCC issues concerning authorized access to numbering resources. As necessary, NANPA will meet with the FCC to discuss numbering in general and highlight those activities impacting number resource use and optimization.

In 2008, NeuStar received a six-month extension of the NANPA contract, covering the period of July 2008 through January 2009. During this extension, NANPA worked closely with the FCC to renew appropriate hardware and software maintenance agreements for the NANP Administration System (NAS) that were set to expire in the second half of 2008. Further, NANPA coordinated with the FCC concerning the replacement of specific hardware components no longer supported by the vendor. NANPA also submitted to the FCC proposed changes to the NAS in response to modifications to industry guidelines and system requirements.

NANPA continued to support the states by providing them with the number utilization data collected via semi-annual NRUF reporting, and assisted states in following up with the appropriate service providers with regard to this data. This included providing real-time access to NRUF data via NAS, with various reports and queries available to search and analyze the data. Along with this information, NANPA conducted refresher training sessions for state commissions on the available NAS NRUF capabilities and reports. NANPA continued to supply states with Part 1 and Part 3 reports, which provided the states a listing on a daily, weekly or monthly basis of all Part 1s and Part 3s processed by NANPA for their respective area codes. These reports were enhanced to provide the Pooling Administration System (PAS) tracking number as well as the application type (e.g., LRN request, pool replenishment, dedicated customer).

NANPA worked closely with states to address specific issues or concerns associated with individual service provider requests for resources. Further, as NPA exhaust approached, NANPA ensured the states were kept informed of the latest exhaust projections and provided updated information concerning NPA relief alternatives, to include refreshing the lives of proposed relief alternatives. NANPA

representatives and state commissions discussed specific activity and issues associated with active, pending or planned NPA relief projects. In 2008, NANPA assisted two states with the adjustments needed to their NPA relief implementation plans due to the decision to implement an NPA overlay rather than a split. NANPA provided guidance to numerous states on issues such as the scheduling of public meetings on NPA relief options and providing notification to the industry, understanding the implications of two overlapping NPA relief projects in a single state, educating single-NPA states on the relief planning process and responding to state commission inquiries and data requests. NANPA also helped host and participated in a public service commission meeting in which NANPA provided a review of the NPA relief planning process, the CO code administration function, NRUF data collection and analysis and a demonstration of the NAS capabilities available to state commissions.

NANPA continued to participate in bi-monthly conference calls with the states to provide updates on its activities and solicit input on any numbering-related matter. This opportunity was used to review internal processes and to ensure a complete understanding of the responsibilities of NANPA, service providers and the states. To further ensure information was provided to the states on a regular basis, email updates on pertinent NANP numbering issues were sent to the states.

NANPA provided monthly reports to the NANC throughout 2008. These reports highlighted central office code assignment activity, NPA relief planning activity, status reports on other NANP resources administered by NANPA as well as NAS performance. NANPA also provided the results of the semi-annual NPA and NANP exhaust analysis and notified the NANC of the potential exhaust of the specific NPA resources.

NANPA worked closely with the NANC's subtending organizations as well. NANPA participated in monthly meetings with the Numbering Oversight Working Group, providing reports on performance measurements, NAS updates, a review of relevant numbering activities and NANPA performance improvement efforts. NANPA also continued to manage the NANC-Chair web page, used for posting NANC and subtending working group documentation.

ATTACHMENT 1 – AREA CODE INVENTORY

NPA codes are in NXX format, where N is any digit 2-9 and X is any digit 0-9, yielding 8*10*10 = 800 combinations. Of these, 119 are not assignable or have been set aside by the Industry Numbering Committee (INC) for special purposes. These 119 codes are listed below.

N11 (8)	Abbreviated dialing
N9X (80)	Reserved for use during expansion of the NANP
37X and 96X (20)	Reserved by the INC for future use where contiguous blocks of codes are required
555 and 950 (2)	Not used as NPA codes to avoid possible confusion
880-887 and 889 (9)	Set aside for next series of toll-free codes.

Subtracting 119 from 800 leaves 681 assignable NPA codes. Of these, 378 have been assigned. Of these 378, 338 are in service and 40 are awaiting introduction. Of the 338 NPA codes in service, 328 are geographic and 10 are non-geographic.

Of the 681 assignable NPA codes, 303 are currently unassigned. Of these codes, 48 are easily recognizable codes (ERCs) currently allocated for non-geographic use, and 255 are general-purpose codes. Of these 255, 162 are reserved[1] for use as future geographic codes, leaving 93 available, unreserved, general-purpose codes.

Of the 48 unassigned ERCs, 11 are reserved[2], leaving 37 available.

Reserved codes are listed below.

NPA					
220	354	471	625	761	871
221	357	472	634	768	873
223	359	474	639	743	875
232	362	476	640	745	879
235	363	481	642	746	921
236	365	483	645	748	923
238	367	485	652	749	924
247	368	486	656	750	926
249	382	487	665	752	927
257	384	489	672	753	929
258	387	521	676	756	930
259	389	531	680	761	934
261	421	535	683	768	938
263	427	536	685	782	942
271	428	537	686	789	945
272	429	539	726	820	946
273	431	546	728	821	948
278	436	548	729	824	953
279	437	550	735	825	957
280	439	558	739	826	981
286	445	560	742	835	982
287	448	565	743	837	986
324	449	568	745	838	987
326	451	572	746	839	
327	453	576	748	840	
328	457	579	749	841	
329	460	582	750	851	
332	461	583	752	852	
346	463	584	753	854	
353	468	624	756	861	

1 These codes have been designated for the relief of NPAs that NRUF predicts will exhaust in the next 10 years. Also included are additional NPA codes reserved for use in Canada at the request of the CRTC.

2 These include five codes reserved for Personal Communications Service (500) expansion and six codes reserved for Canada. Canada has also reserved 699, which is counted as an expansion code.

ATTACHMENT 2 – GEOGRAPHIC NPAs SORTED BY LOCATION

Country	Location	NPA
Anguilla	Anguilla	264
Antigua/Barbuda	Antigua/Barbuda	268
Bahamas	Bahamas	242
Barbados	Barbados	246
Bermuda	Bermuda	441
British Virgin Islands	British Virgin Islands	284
Canada	Alberta	403
Canada	Alberta	587
Canada	British Columbia	250
Canada	British Columbia	604
Canada	British Columbia	778
Canada	Canada	600
Canada	Manitoba	204
Canada	New Brunswick	506
Canada	Newfoundland	709
Canada	Nova Scotia	902
Canada	Ontario	226
Canada	Ontario	289
Canada	Ontario	416
Canada	Ontario	519
Canada	Ontario	647
Canada	Ontario	705
Canada	Ontario	807
Canada	Ontario	905
Canada	Quebec	418
Canada	Quebec	438
Canada	Quebec	450
Canada	Quebec	514
Canada	Quebec	581
Canada	Saskatchewan	306
Canada	Yukon, NW Terr., Nunavut	867
Cayman Islands	Cayman Islands	345
Dominica	Dominica	767
Dominican Republic	Dominican Republic	809
Dominican Republic	Dominican Republic	829
Grenada	Grenada	473
Jamaica	Jamaica	876
Montserrat	Montserrat	664
St. Kitts & Nevis	St. Kitts & Nevis	869
St. Lucia	St. Lucia	758
St. Vincent & Grenadines	St. Vincent & Grenadines	784
Trinidad & Tobago	Trinidad & Tobago	868
Turks & Caicos Islands	Turks & Caicos Islands	649
US	AK	907

Country	Location	NPA
US	AL	205
US	AL	251
US	AL	256
US	AL	334
US	American Samoa	684
US	AR	479
US	AR	501
US	AR	870
US	AZ	480
US	AZ	520
US	AZ	602
US	AZ	623
US	AZ	928
US	CA	209
US	CA	213
US	CA	310
US	CA	323
US	CA	408
US	CA	415
US	CA	424
US	CA	510
US	CA	530
US	CA	559
US	CA	562
US	CA	619
US	CA	626
US	CA	650
US	CA	657
US	CA	707
US	CA	714
US	CA	760
US	CA	805
US	CA	818
US	CA	831
US	CA	858
US	CA	909
US	CA	916
US	CA	925
US	CA	949
US	CA	951
US	CNMI	670
US	CO	303
US	CO	719
US	CO	720

ATTACHMENT 2

Country	Location	NPA
US	CO	970
US	CT	203
US	CT	860
US	DC	202
US	DE	302
US	FL	239
US	FL	305
US	FL	321
US	FL	352
US	FL	386
US	FL	407
US	FL	561
US	FL	727
US	FL	754
US	FL	772
US	FL	786
US	FL	813
US	FL	850
US	FL	863
US	FL	904
US	FL	941
US	FL	954
US	GA	229
US	GA	404
US	GA	478
US	GA	678
US	GA	706
US	GA	762
US	GA	770
US	GA	912
US	Guam	671
US	HI	808
US	IA	319
US	IA	515
US	IA	563
US	IA	641
US	IA	712
US	ID	208
US	IL	217
US	IL	224
US	IL	309
US	IL	312
US	IL	331
US	IL	618
US	IL	630

Country	Location	NPA
US	IL	708
US	IL	773
US	IL	779
US	IL	815
US	IL	847
US	IN	219
US	IN	260
US	IN	317
US	IN	574
US	IN	765
US	IN	812
US	KS	316
US	KS	620
US	KS	785
US	KS	913
US	KY	270
US	KY	502
US	KY	606
US	KY	859
US	LA	225
US	LA	318
US	LA	337
US	LA	504
US	LA	985
US	MA	339
US	MA	351
US	MA	413
US	MA	508
US	MA	617
US	MA	774
US	MA	781
US	MA	857
US	MA	978
US	MD	240
US	MD	301
US	MD	410
US	MD	443
US	ME	207
US	MI	231
US	MI	248
US	MI	269
US	MI	313
US	MI	517
US	MI	586
US	MI	616

ATTACHMENT 2

Country	Location	NPA
US	MI	734
US	MI	810
US	MI	906
US	MI	947
US	MI	989
US	MN	218
US	MN	320
US	MN	507
US	MN	612
US	MN	651
US	MN	763
US	MN	952
US	MO	314
US	MO	417
US	MO	573
US	MO	636
US	MO	660
US	MO	816
US	MS	228
US	MS	601
US	MS	662
US	MS	769
US	MT	406
US	NC	252
US	NC	336
US	NC	704
US	NC	828
US	NC	910
US	NC	919
US	NC	980
US	ND	701
US	NE	308
US	NE	402
US	NH	603
US	NJ	201
US	NJ	551
US	NJ	609
US	NJ	732
US	NJ	848
US	NJ	856
US	NJ	862
US	NJ	908
US	NJ	973
US	NM	505

Country	Location	NPA
US	NM	575
US	NV	702
US	NV	775
US	NY	212
US	NY	315
US	NY	347
US	NY	516
US	NY	518
US	NY	585
US	NY	607
US	NY	631
US	NY	646
US	NY	716
US	NY	718
US	NY	845
US	NY	914
US	NY	917
US	OH	216
US	OH	234
US	OH	330
US	OH	419
US	OH	440
US	OH	513
US	OH	567
US	OH	614
US	OH	740
US	OH	937
US	OK	405
US	OK	580
US	OK	918
US	OR	503
US	OR	541
US	OR	971
US	PA	215
US	PA	267
US	PA	412
US	PA	484
US	PA	570
US	PA	610
US	PA	717
US	PA	724
US	PA	814
US	PA	878
US	Puerto Rico	787

ATTACHMENT 2

Country	Location	NPA
US	Puerto Rico	939
US	RI	401
US	SC	803
US	SC	843
US	SC	864
US	SD	605
US	TN	423
US	TN	615
US	TN	731
US	TN	865
US	TN	901
US	TN	931
US	TX	210
US	TX	214
US	TX	254
US	TX	281
US	TX	325
US	TX	361
US	TX	409
US	TX	430
US	TX	432
US	TX	469
US	TX	512
US	TX	682
US	TX	713
US	TX	806
US	TX	817
US	TX	830
US	TX	832
US	TX	903

Country	Location	NPA
US	TX	915
US	TX	936
US	TX	940
US	TX	956
US	TX	972
US	TX	979
US	US	710
US	US Virgin Islands	340
US	UT	435
US	UT	801
US	VA	276
US	VA	434
US	VA	540
US	VA	571
US	VA	703
US	VA	757
US	VA	804
US	VT	802
US	WA	206
US	WA	253
US	WA	360
US	WA	425
US	WA	509
US	WI	262
US	WI	414
US	WI	608
US	WI	715
US	WI	920
US	WV	304
US	WY	307

Note: All geographic NPAs were in service as of December 31, 2008.

ATTACHMENT 3 — GEOGRAPHIC NPAs SORTED NUMERICALLY

NPA	Country	Location
201	US	NJ
202	US	DC
203	US	CT
204	Canada	Manitoba
205	US	AL
206	US	WA
207	US	ME
208	US	ID
209	US	CA
210	US	TX
212	US	NY
213	US	CA
214	US	TX
215	US	PA
216	US	OH
217	US	IL
218	US	MN
219	US	IN
224	US	IL
225	US	LA
226	Canada	Ontario
228	US	MS
229	US	GA
231	US	MI
234	US	OH
239	US	FL
240	US	MD
242	Bahamas	Bahamas
246	Barbados	Barbados
248	US	MI
250	Canada	British Columbia
251	US	AL
252	US	NC
253	US	WA
254	US	TX
256	US	AL
260	US	IN
262	US	WI
264	Anguilla	Anguilla
267	US	PA
268	Antigua/Barbuda	Antigua/Barbuda
269	US	MI
270	US	KY
276	US	VA

NPA	Country	Location
281	US	TX
284	British Virgin Islands	British Virgin Islands
289	Canada	Ontario
301	US	MD
302	US	DE
303	US	CO
304	US	WV
305	US	FL
306	Canada	Saskatchewan
307	US	WY
308	US	NE
309	US	IL
310	US	CA
312	US	IL
313	US	MI
314	US	MO
315	US	NY
316	US	KS
317	US	IN
318	US	LA
319	US	IA
320	US	MN
321	US	FL
323	US	CA
325	US	TX
330	US	OH
331	US	IL
334	US	AL
336	US	NC
337	US	LA
339	US	MA
340	US	US Virgin Islands
345	Cayman Islands	Cayman Islands
347	US	NY
351	US	MA
352	US	FL
360	US	WA
361	US	TX
386	US	FL
401	US	RI
402	US	NE
403	Canada	Alberta
404	US	GA
405	US	OK

ATTACHMENT 3

NPA	Country	Location
406	US	MT
407	US	FL
408	US	CA
409	US	TX
410	US	MD
412	US	PA
413	US	MA
414	US	WI
415	US	CA
416	Canada	Ontario
417	US	MO
418	Canada	Quebec
419	US	OH
423	US	TN
424	US	CA
425	US	WA
430	US	TX
432	US	TX
434	US	VA
435	US	UT
438	Canada	Quebec
440	US	OH
441	Bermuda	Bermuda
443	US	MD
450	Canada	Quebec
469	US	TX
473	Grenada	Grenada
478	US	GA
479	US	AR
480	US	AZ
484	US	PA
501	US	AR
502	US	KY
503	US	OR
504	US	LA
505	US	NM
506	Canada	New Brunswick
507	US	MN
508	US	MA
509	US	WA
510	US	CA
512	US	TX
513	US	OH
514	Canada	Quebec

NPA	Country	Location
515	US	IA
516	US	NY
517	US	MI
518	US	NY
519	Canada	Ontario
520	US	AZ
530	US	CA
540	US	VA
541	US	OR
551	US	NJ
559	US	CA
561	US	FL
562	US	CA
563	US	IA
567	US	OH
570	US	PA
571	US	VA
573	US	MO
574	US	IN
575	US	NM
580	US	OK
581	Canada	Quebec
586	US	MI
587	Canada	Alberta
601	US	MS
602	US	AZ
603	US	NH
604	Canada	British Columbia
605	US	SD
606	US	KY
607	US	NY
608	US	WI
609	US	NJ
610	US	PA
612	US	MN
613	Canada	Ontario
614	US	OH
615	US	TN
616	US	MI
617	US	MA
618	US	IL
619	US	CA
620	US	KS
623	US	AZ

ATTACHMENT 3

NPA	Country	Location
626	US	CA
630	US	IL
631	US	NY
636	US	MO
641	US	IA
646	US	NY
647	Canada	Ontario
649	Turks & Caicos Islands	Turks & Caicos Islands
650	US	CA
651	US	MN
657	US	CA
661	US	CA
662	US	MS
664	Montserrat	Montserrat
670	US	CNMI
671	US	Guam
678	US	GA
682	US	TX
684	US	American Samoa
701	US	ND
702	US	NV
703	US	VA
704	US	NC
705	Canada	Ontario
706	US	GA
707	US	CA
708	US	IL
709	Canada	Newfoundland
710	US	US
712	US	IA
713	US	TX
714	US	CA
715	US	WI
716	US	NY
717	US	PA
718	US	NY
719	US	CO
720	US	CO
724	US	PA
727	US	FL
731	US	TN
732	US	NJ
734	US	MI
740	US	OH

NPA	Country	Location
754	US	FL
757	US	VA
758	St. Lucia	St. Lucia
760	US	CA
762	US	GA
763	US	MN
765	US	IN
767	Dominica	Dominica
769	US	MS
770	US	GA
772	US	FL
773	US	IL
774	US	MA
775	US	NV
778	Canada	British Columbia
779	US	IL
780	Canada	Alberta
781	US	MA
784	St. Vincent & Grenadines	St. Vincent & Grenadines
785	US	KS
786	US	FL
787	US	Puerto Rico
801	US	UT
802	US	VT
803	US	SC
804	US	VA
805	US	CA
806	US	TX
807	Canada	Ontario
808	US	HI
809	Dominican Republic	Dominican Republic
810	US	MI
812	US	IN
813	US	FL
814	US	PA
815	US	IL
816	US	MO
817	US	TX
818	US	CA
819	Canada	Quebec
828	US	NC
829	Dominican Republic	Dominican Republic
830	US	TX
831	US	CA

ATTACHMENT 3

NPA	Country	Location
832	US	TX
843	US	SC
845	US	NY
847	US	IL
848	US	NJ
850	US	FL
856	US	NJ
857	US	MA
858	US	CA
859	US	KY
860	US	CT
862	US	NJ
863	US	FL
864	US	SC
865	US	TN
867	Canada	Yukon, NW Terr., Nunavut
868	Trinidad & Tobago	Trinidad & Tobago
869	St. Kitts & Nevis	St. Kitts & Nevis
870	US	AR
876	Jamaica	Jamaica
878	US	PA
901	US	TN
902	Canada	Nova Scotia
903	US	TX
904	US	FL
905	Canada	Ontario
906	US	MI
907	US	AK
908	US	NJ
909	US	CA
910	US	NC
912	US	GA

NPA	Country	Location
913	US	KS
914	US	NY
915	US	TX
916	US	CA
917	US	NY
918	US	OK
919	US	NC
920	US	WI
925	US	CA
928	US	AZ
931	US	TN
936	US	TX
937	US	OH
939	US	Puerto Rico
940	US	TX
941	US	FL
947	US	MI
949	US	CA
951	US	CA
952	US	MN
954	US	FL
956	US	TX
970	US	CO
971	US	OR
972	US	TX
973	US	NJ
978	US	MA
979	US	TX
980	US	NC
985	US	LA
989	US	MI

Note: All geographic NPAs were in service as of December 31, 2008.

ATTACHMENT 4 – NON-GEOGRAPHIC NPAs IN SERVICE

The table below lists the non-geographic NPAs in service as of December 31, 2008, along with the service for which each is used.

NPA	Service
456	Inbound International
500	Personal Communications Service
533	Personal Communications
600	Canadian Services
700	Interexchange Carrier Services
710	US Government
800	Toll-Free
866	Toll-Free
877	Toll-Free
888	Toll-Free
900	Premium Services

NPA codes 855, 844, 833, and 822 have been assigned for use as toll free codes and will be introduced as needed.

NPA code 456 allows callers to select a carrier for international calls terminating in a NANP country. Carriers implement this service by activating 456 numbers in each country of origin.

500 and 533 numbers were intended to be used for "follow me" personal communications services. Personal communications service is defined more formally as a set of capabilities that allows some combination of personal mobility, terminal mobility and service profile management. NPA 533 was assigned in relief of NPA 500 in January 2008. The assignment of central office code from the 533 NPA will commence once all the codes from the 500 NPA have been assigned.

NPA code 700 was assigned in 1983 for use by all interexchange carriers. Each carrier has the use of all 7.92 million numbers in the 700 NPA. When a call is made to a 700 number, the local exchange carrier passes the call to the caller's interexchange carrier, selected either through presubscription or override. Note that 700 numbers, unlike other NANP numbers, may terminate in different ways, depending on how the interexchange carrier has allocated the numbers.

900 numbers are used for premium services, with the cost of each 900 call billed to the calling party.

ATTACHMENT 5 — DIALING PLANS

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
AK	907	7D	1+10D	1+10D	1+10D	
AL	205	7D	1+10D	10D	1+10D	
AL	251	7D	1+10D	10D	1+10D	1
AL	256	7D	1+10D	10D	1+10D	
AL	334	7D	1+10D	10D	1+10D	
AR	479	7D	1+10D	10D	1+10D	
AR	501	7D	1+10D	10D	1+10D	
AR	870	7D	1+10D	10D	1+10D	
AS	684	7D	NA	NA	1+10D	
AZ	480	7D	1+10D	10D	1+10D	
AZ	520	7D	1+10D	10D	1+10D	
AZ	602	7D	1+10D	10D	1+10D	
AZ	623	7D	1+10D	10D	1+10D	
AZ	928	7D	1+10D	10D	1+10D	
CA	209	7D	7D	1+10D	1+10D	
CA	213	7D	7D	1+10D	1+10D	
CA	310	1+10D	1+10D	1+10D	1+10D	
CA	323	7D	7D	1+10D	1+10D	
CA	408	7D	7D	1+10D	1+10D	
CA	415	7D	7D	1+10D	1+10D	
CA	424	1+10D	1+10D	1+10D	1+10D	
CA	510	7D	7D	1+10D	1+10D	
CA	530	7D	7D	1+10D	1+10D	
CA	559	7D	7D	1+10D	1+10D	
CA	562	7D	7D	1+10D	1+10D	
CA	619	7D	7D	1+10D	1+10D	
CA	626	7D	7D	1+10D	1+10D	
CA	650	7D	7D	1+10D	1+10D	
CA	657	1+10D	1+10D	1+10D	1+10D	
CA	707	7D	7D	1+10D	1+10D	
CA	714	1+10D	1+10D	1+10D	1+10D	
CA	760	7D	7D	1+10D	1+10D	
CA	805	7D	7D	1+10D	1+10D	
CA	818	7D	7D	1+10D	1+10D	
CA	831	7D	7D	1+10D	1+10D	
CA	858	7D	7D	1+10D	1+10D	
CA	909	7D	7D	1+10D	1+10D	
CA	916	7D	7D	1+10D	1+10D	
CA	925	7D	7D	1+10D	1+10D	
CA	949	7D	7D	1+10D	1+10D	
CA	951	7D	7D	1+10D	1+10D	
CNMI	670	7D	1+10D	NA	1+10D	

ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
CO	303	10D	1+10D	10D	1+10D	
CO	719	7D	1+10D	10D	1+10D	
CO	720	10D	1+10D	10D	1+10D	
CO	970	7D	1+10D	10D	1+10D	
CT	203	7D	1+10D	10D	1+10D	
CT	860	7D	1+10D	10D	1+10D	
DC	202	7D	NA	10D	1+10D	
DE	302	7D	1+10D	10D	1+10D	
FL	239	7D	1+10D	10D	1+10D	
FL	305	10D	1+10D	10D	1+10D	2
FL	321	10D	1+10D	10D	1+10D	3
FL	352	7D	1+10D	10D	1+10D	
FL	386	7D	1+10D	10D	1+10D	
FL	407	10D	1+10D	10D	1+10D	
FL	561	7D	1+10D	10D	1+10D	4
FL	727	7D	1+10D	10D	1+10D	
FL	754	10D	1+10D	10D	1+10D	
FL	772	7D	1+10D	10D	1+10D	5
FL	786	10D	1+10D	10D	1+10D	
FL	813	7D	1+10D	10D	1+10D	
FL	850	7D	1+10D	10D	1+10D	
FL	863	7D	1+10D	10D	1+10D	
FL	904	7D	1+10D	10D	1+10D	
FL	941	7D	1+10D	10D	1+10D	
FL	954	10D	1+10D	10D	1+10D	
GA	229	7D	1+10D	10D	1+10D	
GA	404	10D	1+10D	10D	1+10D	
GA	478	7D	1+10D	10D	1+10D	
GA	678	10D	1+10D	10D	1+10D	
GA	706	10D	1+10D	10D	1+10D	
GA	762	10D	1+10D	10D	1+10D	
GA	770	10D	1+10D	10D	1+10D	
GA	912	7D	1+10D	10D	1+10D	
GU	671	7D	1+10D	NA	1+10D	
HI	808	7D	1+10D	NA	1+10D	
IA	319	7D	1+10D	10D	1+10D	
IA	515	7D	1+10D	10D	1+10D	
IA	563	7D	1+10D	10D	1+10D	
IA	641	7D	1+10D	10D	1+10D	
IA	712	7D	1+10D	10D	1+10D	
ID	208	7D	1+10D	7D	1+10D	
IL	217	7D	1+10D	1+10D	1+10D	

ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
IL	224	1+10D	1+10D	1+10D	1+10D	
IL	309	7D	1+10D	1+10D	1+10D	
IL	312	7D	1+10D	1+10D	1+10D	
IL	331	1+10D	1+10D	1+10D	1+10D	
IL	618	7D	1+10D	1+10D	1+10D	
IL	630	1+10D	1+10D	1+10D	1+10D	
IL	708	7D	1+10D	1+10D	1+10D	
IL	773	7D	1+10D	1+10D	1+10D	
IL	779	1+10D	1+10D	1+10D	1+10D	
IL	815	1+10D	1+10D	1+10D	1+10D	
IL	847	1+10D	1+10D	1+10D	1+10D	
IN	219	7D	1+10D	10D	1+10D	
IN	260	7D	1+10D	10D	1+10D	
IN	317	7D	1+10D	10D	1+10D	
IN	574	7D	1+10D	10D	1+10D	
IN	765	7D	1+10D	10D	1+10D	
IN	812	7D	1+10D	10D	1+10D	
KS	316	7D	1+10D	10D	1+10D	
KS	620	7D	1+10D	10D	1+10D	
KS	785	7D	1+10D	10D	1+10D	
KS	913	7D	1+10D	10D	1+10D	
KY	270	7D	1+10D	7D	1+10D	
KY	502	7D	1+10D	7D	1+10D	
KY	606	7D	1+10D	10D	1+10D	6
KY	859	7D	1+10D	10D	1+10D	6
LA	225	7D	1+10D	10D	1+10D	
LA	318	7D	1+10D	10D	1+10D	
LA	337	7D	1+10D	10D	1+10D	
LA	504	7D	1+10D	10D	1+10D	
LA	985	7D	1+10D	10D	1+10D	
MA	339	10D	1+10D	10D	1+10D	
MA	351	10D	1+10D	10D	1+10D	
MA	413	7D	1+10D	10D	1+10D	
MA	508	10D	1+10D	10D	1+10D	
MA	617	10D	1+10D	10D	1+10D	
MA	774	10D	1+10D	10D	1+10D	
MA	781	10D	1+10D	10D	1+10D	
MA	857	10D	1+10D	10D	1+10D	
MA	978	10D	1+10D	10D	1+10D	
MD	240	10D	1+10D	10D	1+10D	
MD	301	10D	1+10D	10D	1+10D	
MD	410	10D	1+10D	10D	1+10D	

ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
MD	443	10D	1+10D	10D	1+10D	
ME	207	7D	7D	1+10D	1+10D	
MI	231	7D	1+10D	10D	1+10D	
MI	248	10D	1+10D	10D	1+10D	
MI	269	7D	1+10D	10D	1+10D	
MI	313	7D	1+10D	10D	1+10D	
MI	517	7D	1+10D	10D	1+10D	
MI	586	7D	1+10D	10D	1+10D	
MI	616	7D	1+10D	10D	1+10D	
MI	734	7D	1+10D	10D	1+10D	
MI	810	7D	1+10D	10D	1+10D	
MI	906	7D	1+10D	10D	1+10D	
MI	947	10D	1+10D	10D	1+10D	
MI	989	7D	1+10D	10D	1+10D	
MN	218	7D	1+10D	7D	1+10D	
MN	320	7D	1+10D	7D	1+10D	
MN	507	7D	1+10D	7D	1+10D	
MN	612	7D	1+10D	10D	1+10D	
MN	651	7D	1+10D	10D	1+10D	
MN	763	7D	1+10D	10D	1+10D	
MN	952	7D	1+10D	10D	1+10D	
MO	314	7D	1+10D	10D	1+10D	
MO	417	7D	1+10D	10D	1+10D	
MO	573	7D	1+10D	10D	1+10D	
MO	636	7D	1+10D	10D	1+10D	
MO	660	7D	1+10D	10D	1+10D	
MO	816	7D	1+10D	10D	1+10D	
MS	228	7D	1+10D	10D	1+10D	
MS	601	10D	1+10D	10D	1+10D	
MS	662	7D	1+10D	10D	1+10D	
MS	769	10D	1+10D	10D	1+10D	
MT	406	7D	1+10D	7D	1+10D	
NC	252	7D	1+10D	10D	1+10D	
NC	336	7D	1+10D	10D	1+10D	
NC	704	10D	1+10D	10D	1+10D	
NC	828	7D	1+10D	10D	1+10D	
NC	910	7D	1+10D	10D	1+10D	
NC	919	7D	1+10D	10D	1+10D	
NC	980	10D	1+10D	10D	1+10D	
ND	701	7D	1+10D	7D	1+10D	
NE	308	7D	1+10D	7D	1+10D	
NE	402	7D	1+10D	7D	1+10D	

ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
NH	603	7D	7D	1+10D	1+10D	
NJ	201	10D	10D	1+10D	1+10D	7
NJ	551	10D	10D	1+10D	1+10D	7
NJ	609	7D	7D	1+10D	1+10D	
NJ	732	10D	10D	1+10D	1+10D	8
NJ	848	10D	10D	1+10D	1+10D	8
NJ	856	7D	7D	1+10D	1+10D	
NJ	862	10D	10D	1+10D	1+10D	9
NJ	908	7D	7D	1+10D	1+10D	
NJ	973	10D	10D	1+10D	1+10D	9
NM	505	7D	1+10D	10D	1+10D	
NM	575	7D	1+10D	10D	1+10D	
NV	702	7D	1+10D	10D	1+10D	
NV	775	7D	1+10D	10D	1+10D	
NY	212	1+10D	1+10D	1+10D	1+10D	
NY	315	7D	7D	1+10D	1+10D	
NY	347	1+10D	1+10D	1+10D	1+10D	
NY	516	7D	7D	1+10D	1+10D	
NY	518	7D	7D	1+10D	1+10D	
NY	585	7D	7D	1+10D	1+10D	
NY	607	7D	7D	1+10D	1+10D	
NY	631	7D	7D	1+10D	1+10D	
NY	646	1+10D	1+10D	1+10D	1+10D	
NY	716	7D	7D	1+10D	1+10D	
NY	718	1+10D	1+10D	1+10D	1+10D	
NY	845	7D	7D	1+10D	1+10D	
NY	914	7D	7D	1+10D	1+10D	
NY	917	1+10D	1+10D	1+10D	1+10D	
OH	216	7D	1+10D	10D	1+10D	10
OH	234	10D	1+10D	10D	1+10D	10
OH	330	10D	1+10D	10D	1+10D	10
OH	419	10D	1+10D	10D	1+10D	10
OH	440	7D	1+10D	10D	1+10D	10
OH	513	7D	1+10D	10D	1+10D	10
OH	567	10D	1+10D	10D	1+10D	10
OH	614	7D	1+10D	10D	1+10D	10
OH	740	7D	1+10D	10D	1+10D	10
OH	937	7D	1+10D	10D	1+10D	10
OK	405	7D	1+10D	7D	1+10D	
OK	580	7D	1+10D	7D	1+10D	
OK	918	7D	1+10D	7D	1+10D	
OR	503	10D	1+10D	10D	1+10D	

ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
OR	541	7D	1+10D	10D	1+10D	
OR	971	10D	1+10D	10D	1+10D	
PA	215	10D	10D	(see note)	1+10D	11
PA	267	10D	10D	(see note)	1+10D	11
PA	412	10D	10D	(see note)	(see note)	12
PA	484	10D	10D	(see note)	1+10D	11
PA	570	7D	7D	1+10D	1+10D	
PA	610	10D	10D	(see note)	1+10D	11
PA	717	7D	7D	1+10D	1+10D	
PA	724	10D	10D	(see note)	(see note)	12
PA	814	7D	7D	1+10D	1+10D	
PA	878	10D	10D	(see note)	(see note)	12
Puerto Rico	787	10D	1+10D	10D	1+10D	
Puerto Rico	939	10D	1+10D	10D	1+10D	
RI	401	7D	7D	1+10D	1+10D	
SC	803	7D	1+10D	10D	1+10D	
SC	843	7D	1+10D	10D	1+10D	
SC	864	7D	1+10D	10D	1+10D	
SD	605	7D	1+10D	7D	1+10D	
TN	423	7D	1+10D	10D	1+10D	
TN	615	7D	1+10D	7D	1+10D	
TN	731	7D	1+10D	10D	1+10D	13
TN	865	7D	1+10D	10D	1+10D	
TN	901	7D	1+10D	10D	1+10D	
TN	931	7D	1+10D	7D	1+10D	
TX	210	7D	1+10D	10D	1+10D	
TX	214	10D	1+10D	10D	1+10D	
TX	254	7D	1+10D	10D	1+10D	
TX	281	10D	1+10D	10D	1+10D	
TX	325	7D	1+10D	10D	1+10D	
TX	361	7D	1+10D	10D	1+10D	
TX	409	7D	1+10D	10D	1+10D	
TX	430	10D	1+10D	10D	1+10D	
TX	432	7D	1+10D	10D	1+10D	
TX	469	10D	1+10D	10D	1+10D	
TX	512	7D	1+10D	10D	1+10D	
TX	682	10D	1+10D	10D	1+10D	
TX	713	10D	1+10D	10D	1+10D	
TX	806	7D	1+10D	10D	1+10D	
TX	817	10D	1+10D	10D	1+10D	
TX	830	7D	1+10D	10D	1+10D	
TX	832	10D	1+10D	10D	1+10D	

ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
TX	903	10D	1+10D	10D	1+10D	
TX	915	7D	1+10D	10D	1+10D	
TX	936	7D	1+10D	10D	1+10D	
TX	940	7D	1+10D	10D	1+10D	
TX	956	7D	1+10D	10D	1+10D	
TX	972	10D	1+10D	10D	1+10D	
TX	979	7D	1+10D	10D	1+10D	
USVI	340	7D	1+10D	NA	1+10D	
UT	435	7D	1+10D	7D	1+10D	
UT	801	7D	1+10D	10D	1+10D	
VA	276	7D	1+10D	10D	1+10D	
VA	434	7D	1+10D	10D	1+10D	
VA	540	7D	1+10D	10D	1+10D	
VA	571	10D	1+10D	10D	1+10D	
VA	703	10D	1+10D	10D	1+10D	
VA	757	7D	1+10D	10D	1+10D	
VA	804	7D	1+10D	10D	1+10D	
VT	802	7D	1+10D	1+10D	1+10D	
WA	206	7D	1+10D	10D	1+10D	
WA	253	7D	1+10D	10D	1+10D	
WA	360	7D	1+10D	10D	1+10D	
WA	425	7D	1+10D	10D	1+10D	
WA	509	7D	1+10D	10D	1+10D	
WI	262	7D	1+10D	1+10D	1+10D	
WI	414	7D	1+10D	1+10D	1+10D	
WI	608	7D	1+10D	1+10D	1+10D	
WI	715	7D	1+10D	1+10D	1+10D	
WI	920	7D	1+10D	1+10D	1+10D	
WV	304	7D	1+10D	7D	1+10D	
WY	307	7D	1+10D	7D	1+10D	

Notes:

1. Other dialing plans may apply at the discretion of the local service provider.
2. The Florida Keys retain 7D local dialing
3. Home NPA local calls are 7D in Brevard County.
4. See Planning Letter 291 for local dialing into the 954-754 NPAs.
5. All ECS calls directed to a presubscribed carrier will be dialed as 1+10D (PL 311).
6. Some cross-boundary 7D local dialing exists.
7. Calls between the 551 and 201 NPAs may be dialed as 10D.
8. Calls between the 732 and 848 NPAs may be dialed as 10D.
9. Calls between the 973 and 862 NPAs can be dialed as 10D.
10. Carriers must provide permissive 1+10D dialing for Foreign NPA Local Calls in areas where they provide optional EAS.
11. All calls within and between the 215, 267, 484, and 610 NPAs can be dialed as 10D or 1+10D. Calls to other NPAs must be dialed as 1+10D.
12. All calls within and between NPAs 412, 724, and 878 can be dialed as 10D or 1+10D. Calls to other NPAs must be dialed as 1+10D.
13. Note that some local calls may require dialing 10D or 1+10D depending on area and service provider.

ATTACHMENT 6 – 2008 NRUF AND NPA EXHAUST ANALYSIS

NANPA projects NPA exhaust on a semi-annual basis. These projections were produced in April and October 2008. The tables below show the current quarter/year in which each NPA is projected to exhaust, based on analysis performed in October 2008. The table also provides forecasted NPA exhaust information from previous exhaust projections developed by NANPA. The current forecast is based on NRUF data as it existed on October 1, 2008 for the US and January 1, 2008 for Canada, except where noted. Forecasts marked "R" are based on rationed assignment limits. The change between the current and previous forecasts is given in quarters. A positive number indicates that the exhaust date has moved out to a later date. A negative number indicates that the exhaust is now projected to occur sooner than previously expected.

NPA exhaust forecasts sorted by area code:

		2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	
LOCATION	NPA	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	Notes
New Jersey	201/551	2042		1Q	2037		2Q	2033		4Q	2037		4Q	2035		2Q	2034		4Q	+19Q	a
District of Columbia	202	2021		1Q	2022		4Q	2022		4Q	2019		1Q	2021		2Q	2026		1Q	-7Q	b
Connecticut	203	2010		2Q	2010		2Q	2009		4Q	2009		1Q	2008		4Q	2008		1Q	N/C	
Canada	204	2021		4Q	2021		4Q				2016		1Q				2020		2Q	N/C	c
Alabama	205	2012		4Q	2013		3Q	2014		2Q	2013		2Q	2013		2Q	2013		1Q	-3Q	b
Washington	206	2020		3Q	2023		2Q	2021		4Q	2023		1Q	2022		4Q	2024		1Q	-11Q	b
Maine	207	2014		4Q	2014		4Q	2014		4Q	2013		3Q	2013		3Q	2013		3Q	N/C	
Idaho	208	2012		2Q	2012		1Q	2011		3Q	2011		2Q	2010		1Q	2010		1Q	+1Q	
California	209	2021		3Q	2021		3Q	2020		4Q	2020		2Q	2020		2Q	2019		4Q	N/C	
Texas	210	2015		3Q	2015		1Q	2015		1Q	2015		1Q	2015		1Q	2021		1Q	+2Q	
New York	212/646	2014		2Q	2014		2Q	2013		3Q	2011		3Q	2010		3Q	2010		2Q	N/C	
California	213	2037		3Q	2036		4Q	2033		3Q	2033		2Q	2030		4Q	2028		2Q	+3Q	a
Texas	214/972/469	2018		1Q	2017		3Q	2016		2Q	2015		4Q	2015		3Q	2015		1Q	+2Q	
Pennsylvania	215/267	2014		3Q	2014		2Q	2013		3Q	2013		3Q	2013		3Q	2013		1Q	+1Q	
Ohio	216	2027		4Q	2027		1Q	2025		2Q	2024		4Q	2022		1Q	2019		3Q	+3Q	a
Illinois	217	2011		4Q	2011		2Q	2010		3Q	2009		3Q	2008		4Q	2008		4Q	+2Q	
Minnesota	218	2017		1Q	2017		1Q	2016		2Q	2016		4Q	2016		4Q	2016		1Q	N/C	
Indiana	219	2030		3Q	2029		4Q	2027		2Q	2025		4Q	2023		4Q	2022		4Q	+3Q	a
Louisiana	225	2029		1Q	2028		3Q	2026		2Q	2023		2Q	2022		4Q	2022		2Q	+2Q	
Mississippi	228	2039		1Q	2038		3Q	2036		2Q	2034		1Q	2032		1Q	2031		4Q	+2Q	
Georgia	229	2013		1Q	2015		3Q	2020		4Q	2019		4Q	2017		2Q	2017		1Q	-10Q	b
Michigan	231	2026		2Q	2026		2Q	2022		3Q	2021		1Q	2020		3Q	2018		3Q	N/C	
Florida	239	2029		2Q	2027		4Q	2025		3Q	2024		2Q	2021		4Q	2021		3Q	+6Q	a
Michigan	248/947	2035		3Q	2032		1Q	2030		1Q	2026		3Q	2024		4Q	2024		4Q	+14Q	a
Canada	250/778	2018		4Q	2018		4Q	2007		4Q	2007		4Q	2008		1Q	2010		2Q	N/C	c, n
Alabama	251	2028		3Q	2028		1Q	2026		4Q	2026		2Q	2026		1Q	2025		4Q	+2Q	
North Carolina	252	2016		3Q	2016		1Q	2015		3Q	2016		3Q	2017		2Q	2017		1Q	+2Q	
Washington	253	2028		2Q	2026		3Q	2025		2Q	2025		1Q	2023		1Q	2022		3Q	+7Q	a
Texas	254	2021		1Q	2020		3Q	2018		2Q	2017		4Q	2017		3Q	2017		3Q	+2Q	
Alabama	256	2011	R	2Q	2010	R	4Q	2010	R	4Q	2010		4Q	2010		3Q	2010		3Q	+2Q	l
Indiana	260	2030		3Q	2030		2Q	2028		2Q	2025		4Q	2024		3Q	2024		1Q	+1Q	
Wisconsin	262	2023		1Q	2022		4Q	2020		2Q	2018		2Q	2017		4Q	2017		2Q	+1Q	
Michigan	269	2025		4Q	2025		3Q	2023		2Q	2023		1Q	2022		4Q	2022		2Q	+1Q	
Kentucky	270	2011	R	2Q	2010	R	3Q	2009	R	2Q	2008	R	4Q	2008	R	3Q	2009		1Q	+3Q	a, l

ATTACHMENT 6

LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
Virginia	276	2050		1Q	2049		4Q	2045		4Q	2039		4Q	2037		2Q	2036		3Q	+1Q	
Canada	289/905	2024		3Q	2014		3Q				2016		2Q				2021		4Q	+40Q	c
Maryland	301/240	2022		2Q	2021		3Q	2015		3Q	2014		3Q	2014		3Q	2014		3Q	+3Q	a
Delaware	302	2025		1Q	2024		4Q	2021		3Q	2021		1Q	2019		4Q	2019		3Q	+1Q	
Colorado	303/720	2025		2Q	2025		2Q	2022		4Q	2022		2Q	2022		2Q	2021		1Q	N/C	
West Virginia	304/681	2035		1Q	2009		1Q	2008		4Q	2008		3Q	2007		3Q	2007		3Q	+104Q	f
Florida	305/786	2021		3Q	2020		4Q	2019		3Q	2019		1Q	2019		3Q	2019		3Q	+3Q	a, h
Florida	305A	2012		2Q	2011		2Q	2010		2Q	2009		2Q	2009		2Q	2009		2Q	+4Q	a, h
Canada	306	2023		4Q	2023		4Q				2019		4Q				2028		2Q	N/C	c
Wyoming	307	2026		1Q	2025		1Q	2025		1Q	2024		1Q	2023		1Q	2022		4Q	+4Q	a
Nebraska	308	2031		2Q	2030		4Q	2030		3Q	2029		3Q	2029		3Q	2028		3Q	+2Q	
Illinois	309	2014		3Q	2013		4Q	2012		4Q	2011		3Q	2010		3Q	2010		4Q	+3Q	a
California	310/424	2023		2Q	2022		4Q	2021		4Q	2021		3Q	2026		2Q	EXH			+2Q	
Illinois	312	2017		3Q	2017		3Q	2016		3Q	2015		4Q	2015		2Q	2014		4Q	N/C	
Michigan	313	2018		2Q	2017		2Q	2015		4Q	2015		4Q	2016		3Q	2017		3Q	+4Q	a
Missouri	314	2017		3Q	2017		4Q	2015		4Q	2015		2Q	2014		2Q	2013		4Q	-1Q	
New York	315	2012		1Q	2011		1Q	2010		3Q	2010		3Q	2011		1Q	2011		1Q	+4Q	a
Kansas	316	2037		3Q	2037		1Q	2034		4Q	2031		3Q	2031		1Q	2028		1Q	+2Q	
Indiana	317	2014		1Q	2013		4Q	2013		3Q	2013		1Q	2012		3Q	2012		1Q	+1Q	
Louisiana	318	2016		1Q	2015		4Q	2014		2Q	2013		2Q	2012		3Q	2012		1Q	+1Q	
Iowa	319	2018		4Q	2017		3Q	2016		4Q	2021		4Q	2026		3Q	2035		4Q	+5Q	a
Minnesota	320	2024		3Q	2024		3Q	2020		3Q	2019		3Q	2018		2Q	2019		3Q	N/C	
Florida	321A	2031		2Q	2029		2Q	2029		1Q	2026		3Q	2026		1Q	2025		3Q	+8Q	a, g
California	323	2012		2Q	2012		1Q	2012		3Q	2013		2Q	2013		2Q	2012		4Q	+1Q	
Texas	325	2029		2Q	2028		4Q	2026		3Q	2023		3Q	2023		1Q	2020		2Q	+2Q	
Ohio	330/234	2031		1Q	2030		3Q	2028		4Q	2028		3Q	2028		2Q	2027		4Q	+2Q	
Alabama	334	2013		4Q	2013		4Q	2013		2Q	2012		4Q	2013		4Q	2014		4Q	N/C	
North Carolina	336	2013		3Q	2013		1Q	2012		3Q	2012		1Q	2012		1Q	2011		3Q	+2Q	
Louisiana	337	2018		1Q	2017		3Q	2016		4Q	2015		4Q	2015		4Q	2014		2Q	+2Q	
Virgin Islands	340	2131		2Q	2131		1Q	2130		3Q	2130		3Q	2130		1Q	2129		3Q	+1Q	
Florida	352	2020		1Q	2019		3Q	2018		2Q	2017		2Q	2017		2Q	2016		4Q	+2Q	
Washington	360	2012		2Q	2011		4Q	2011		3Q	2010		4Q	2010		1Q	2010		1Q	+2Q	
Texas	361	2016		3Q	2016		1Q	2015		4Q	2015		2Q	2015		3Q	2015		1Q	+2Q	
Florida	386	2029		1Q	2028		3Q	2028		1Q	2027		3Q	2027		3Q	2027		2Q	+2Q	
Rhode Island	401	2019		4Q	2019		4Q	2018		1Q	2016		4Q	2016		1Q	2015		4Q	N/C	
Nebraska	402	2010		3Q	2010		2Q	2009		4Q	2009		3Q	2009		1Q	2008		2Q	+1Q	
Canada	403/587/780	2024		4Q	2024		4Q	2008		3Q	2008		4Q	2009		4Q	2011		1Q	N/C	c, f, m
Georgia	404	2014		2Q	2014		1Q	2013		2Q	2012		4Q	2012		3Q	2012		1Q	+1Q	
Oklahoma	405	2015		4Q	2016		2Q	2016		3Q	2015		3Q	2015		2Q	2015		1Q	-2Q	
Montana	406	2012		4Q	2011		4Q	2011		2Q	2011		1Q	2010		4Q	2011		3Q	+4Q	a
Florida	407/321	2011		3Q	2011		1Q	2010		3Q	2010		1Q	2010		2Q	2010		1Q	+2Q	g
California	408	2012		2Q	2012		1Q	2011		2Q	2010		3Q	2010		3Q	2010		2Q	+1Q	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	Notes
Texas	409	2028		2Q	2028		3Q	2026		3Q	2024		4Q	2023		4Q	2021		4Q	-1Q	
Maryland	410/443	2011		2Q	2011		2Q	2010		4Q	2009		4Q	2009		4Q	2009		4Q	N/C	
Pennsylvania	412/878/724	2026		1Q	2025		4Q	2025		3Q	2025		1Q	2024		1Q	2023		4Q	+1Q	
Massachusetts	413	2023		3Q	2021		3Q	2020		4Q	2019		2Q	2018		4Q	2017		4Q	+8Q	a
Wisconsin	414	2032		2Q	2032		1Q	2028		3Q	2025		2Q	2023		4Q	2023		2Q	+1Q	
California	415	2015		2Q	2014		2Q	2013		3Q	2012		3Q	2012		1Q	2010	R	2Q	+4Q	a
Canada	416/647	2017		1Q	2017		1Q				2017		2Q				2016		2Q	N/C	c
Missouri	417	2012		3Q	2011		4Q	2011		3Q	2011		1Q	2011		1Q	2010		2Q	+3Q	a
Canada	418/581				2008		4Q	2008		3Q	2007		4Q				2013		4Q	NA	c, f
Ohio	419/567	2023		1Q	2022		3Q	2021		2Q	2020		3Q	2019		3Q	2019		1Q	+2Q	
Tennessee	423	2017		1Q	2016		4Q	2016		2Q	2015		3Q	2015		3Q	2015		3Q	+1Q	
Washington	425	2030		3Q	2031		1Q	2031		1Q	2027		3Q	2025		3Q	2025		1Q	-2Q	
Texas	432	2033		1Q	2032		4Q	2029		4Q	2028		1Q	2027		1Q	2026		3Q	+1Q	
Virginia	434	2036		3Q	2033		3Q	2032		2Q	2029		4Q	2028		2Q	2027		3Q	+12Q	a
Utah	435	2030		2Q	2026		2Q	2024		4Q	2023		3Q	2022		2Q	2021		2Q	+16Q	a
Ohio	440	2018		1Q	2017		4Q	2017		3Q	2016		3Q	2015		3Q	2015		2Q	+1Q	
Canada	450	2012		3Q	2014		4Q	2013		4Q	2012		4Q				2019		4Q	-9Q	c
Georgia	478	2028		3Q	2029		2Q	2029		3Q	2029		2Q	2029		1Q	2028		3Q	-3Q	b
Arkansas	479	2028		3Q	2028		2Q	2026		4Q	2026		3Q	2026		3Q	2025		1Q	+1Q	
Arizona	480	2021		3Q	2021		3Q	2020		4Q	2020		4Q	2020		4Q	2021		2Q	N/C	
Arkansas	501	2023		1Q	2022		1Q	2020		4Q	2020		2Q	2019		2Q	2019		1Q	+4Q	a
Kentucky	502	2019		3Q	2018		3Q	2017		3Q	2017		1Q	2016		3Q	2016		3Q	+4Q	a
Oregon	503/971	2033		4Q	2032		2Q	2029		3Q	2028		3Q	2028		2Q	2027		3Q	+6Q	a
Oregon	503A							2008		4Q	2008		4Q	2008		4Q	2009		3Q	NA	j
Louisiana	504	2026		1Q	2024		3Q	2023		3Q	2022		2Q	2021		4Q	2021		3Q	+6Q	a
New Mexico	505	2022		4Q	2009		1Q	2009		1Q	2009		1Q	2009		1Q	2009		1Q	+58Q	f
Canada	506	2027		1Q	2027		1Q				2021		1Q				2019		3Q	N/C	c
Minnesota	507	2014		1Q	2013		3Q	2012		3Q	2012		1Q	2012		1Q	2012		4Q	+2Q	
Massachusetts	508/774	2019		1Q	2018		1Q	2016		3Q	2015		1Q	2014		2Q	2013		4Q	+4Q	a
Washington	509	2014		2Q	2014		1Q	2013		1Q	2012		3Q	2012		1Q	2011		3Q	+1Q	
California	510	2013	R	4Q	2013	R	3Q	2013	R	1Q	2012	R	3Q	2012	R	2Q	2011	R	3Q	+1Q	l
Texas	512	2012		1Q	2012		1Q	2011		3Q	2011		1Q	2010		4Q	2011		4Q	N/C	
Ohio	513	2017		3Q	2016		3Q	2015		4Q	2015		1Q	2014		4Q	2014		3Q	+4Q	a
Canada	514/438													2008		4Q					c, d
Iowa	515	2021		2Q	2019		4Q	2016		3Q	2017		3Q	2020		4Q	2024		2Q	+6Q	a
New York	516	2016		3Q	2015		4Q	2014		4Q	2013		4Q	2012		4Q	2012		3Q	+3Q	a
Michigan	517	2018		4Q	2017		4Q	2016		3Q	2015		3Q	2014		4Q	2014		1Q	+4Q	a
New York	518	2014		3Q	2013		3Q	2012		4Q	2012		2Q	2012		2Q	2011		3Q	+4Q	a
Canada	519/226	2019		2Q	2019		2Q				2021		1Q							N/C	c
Arizona	520	2025		4Q	2025		3Q	2025		1Q	2025		1Q	2023		4Q	2023		2Q	+1Q	
California	530	2016		2Q	2015		4Q	2015		4Q	2015		1Q	2015		1Q	2014		1Q	+2Q	
Virginia	540	2017		3Q	2017		3Q	2016		1Q	2015		1Q	2014		3Q	2014		2Q	N/C	

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		2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	
LOCATION	NPA	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	Notes
Oregon	541	2010		4Q	2011		1Q	2011		1Q	2010		4Q	2010		3Q	2010		2Q	-1Q	
California	559	2017	R	3Q	2017	R	1Q	2016	R	3Q	2016	R	2Q	2016	R	1Q	2015	R	3Q	+2Q	l
Florida	561	2021		2Q	2019		3Q	2018		1Q	2017		4Q	2017		2Q	2017		2Q	+7Q	a
California	562	2022		1Q	2021		3Q	2020		2Q	2020		2Q	2019		2Q	2019		2Q	+2Q	
Iowa	563	2028		3Q	2027		4Q	2027		3Q	2025		1Q	2025		1Q	2035		3Q	+3Q	a
Pennsylvania	570	2012		2Q	2011		4Q	2011		3Q	2011		2Q	2011		1Q	2011		1Q	+2Q	
Missouri	573	2013		4Q	2012		3Q	2012		1Q	2011		3Q	2011		2Q	2010		4Q	+5Q	a
Indiana	574	2034		4Q	2034		2Q	2028		4Q	2026		3Q	2026		3Q	2026		1Q	+2Q	
New Mexico	575	2027		2Q																N/A	f
Oklahoma	580	2013		4Q	2012		3Q	2012		1Q	2011		1Q	2010		2Q	2009		4Q	+5Q	a
New York	585	2020		1Q	2019		1Q	2017		4Q	2017		4Q	2017		4Q	2016		4Q	+4Q	a
Michigan	586	2027		4Q	2026		4Q	2025		4Q	2024		1Q	2023		4Q	2023		2Q	+4Q	a
Mississippi	601/769	2033		2Q	2032		4Q	2030		4Q	2030		2Q	2030		2Q	2030		2Q	+2Q	
Arizona	602	2019		4Q	2019		4Q	2018		3Q	2018		3Q	2018		3Q	2018		1Q	N/C	a
New Hampshire	603	2011		2Q	2011		1Q	2010		4Q	2010		2Q	2010		2Q	2009		2Q	+1Q	
Canada	604/778	2018		4Q				2011		3Q										N/C	c, n
South Dakota	605	2016		3Q	2015		4Q	2014		4Q	2014		1Q	2014		1Q	2013		4Q	+4Q	a
Kentucky	606	2019		4Q	2018		4Q	2018		4Q	2017		4Q	2016		4Q	2015		3Q	+4Q	a
New York	607	2023		1Q	2020		3Q	2020		2Q	2021		4Q	2020		4Q	2019		3Q	+10Q	a
Wisconsin	608	2017		1Q	2016		4Q	2016		3Q	2015		4Q	2015		4Q	2014		4Q	+1Q	
New Jersey	609	2013		2Q	2013		2Q	2012		3Q	2011		2Q	2010		4Q	2010		1Q	N/C	
Pennsylvania	610/484	2013		2Q	2012		4Q	2012		3Q	2012		3Q	2011		3Q	2011		3Q	+2Q	
Minnesota	612	2026		2Q	2026		2Q	2024		3Q	2024		1Q	2023		3Q	2022		3Q	N/C	
Canada	613	2011		4Q	2011		3Q	2011		3Q	2012		2Q	2012		1Q	2014		2Q	+1Q	c
Ohio	614	2017		1Q	2016		1Q	2016		1Q	2015		4Q	2015		2Q	2014		4Q	+4Q	a
Tennessee	615	2013		3Q	2013		2Q	2013		1Q	2012		4Q	2012		3Q	2012		3Q	+1Q	
Michigan	616	2026		2Q	2024		1Q	2023		1Q	2021		2Q	2020		2Q	2019		2Q	+9Q	a
Massachusetts	617/857	2031		1Q	2030		4Q	2026		3Q	2025		4Q	2024		4Q	2024		2Q	+1Q	
Illinois	618	2012		1Q	2011		2Q	2010		3Q	2010		1Q	2009	R	4Q	2009		2Q	+3Q	a
California	619	2014		4Q	2014		2Q	2013		3Q	2013		2Q	2015		2Q	2015	R	2Q	+2Q	
Kansas	620	2015		4Q	2015		4Q	2014		2Q	2013		4Q	2013		4Q	2013		1Q	N/C	
Arizona	623	2036		3Q	2036		2Q	2035		2Q	2034		4Q	2034		4Q	2031		3Q	+1Q	
California	626	2019	R	1Q	2018	R	4Q	2018	R	4Q	2017	R	4Q	2017	R	4Q	2017	R	1Q	+1Q	l
Illinois	630/331	2035		2Q	2035		1Q	2032		3Q	2007		2Q	2006		4Q	2006		3Q	+1Q	
New York	631	2013		4Q	2012		4Q	2012		1Q	2011		2Q	2010		4Q	2010		2Q	+4Q	a
Missouri	636	2030		3Q	2029		3Q	2028		1Q	2027		3Q	2025		2Q	2024		4Q	+4Q	a
Iowa	641	2020		2Q	2018		3Q	2016		4Q	2017		3Q	2018		3Q	2023		4Q	+7Q	a
California	650	2021		4Q	2019		2Q	2017		3Q	2015		4Q	2015		4Q	2014		4Q	+10Q	a
Minnesota	651	2026		1Q	2025		3Q	2025		3Q	2025		3Q	2024		4Q	2024		2Q	+2Q	
Missouri	660	2018		3Q	2017		3Q	2016		3Q	2015		3Q	2015		2Q	2015		2Q	+4Q	a
California	661	2021		3Q	2020		3Q	2017		4Q	2016		4Q	2015		4Q	2014		4Q	+4Q	a
Mississippi	662	2012		2Q	2011		4Q	2011		1Q	2010		2Q	2010		1Q	2009		4Q	+2Q	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
CNMI	670	2322		4Q	2322		2Q	2320		3Q	2320		1Q	2320		1Q	2319		3Q	+2Q	
Guam	671	2299		4Q	2299		2Q	2297		3Q	2297		1Q	2297		1Q	2296		3Q	+2Q	
American Samoa	684	2076		3Q	2076		3Q	2076		3Q	2076		3Q	2070		1Q	2068		4Q	N/C	
North Dakota	701	2013		2Q	2013		2Q	2013		3Q	2013		2Q	2013		3Q	2013		2Q	N/C	
Nevada	702	2013		3Q	2013		2Q	2013		2Q	2013		2Q	2013		1Q	2013		2Q	+1Q	
Virginia	703/571	2023		3Q	2023		1Q	2021		3Q	2020		3Q	2020		3Q	2020		1Q	+2Q	a
North Carolina	704/980	2026		2Q	2025		3Q	2024		2Q	2023		4Q	2024		2Q	2031		2Q	+3Q	a
Canada	705	2015		1Q	2014		3Q	2015		2Q	2013		1Q				2023		3Q	+2Q	c
Georgia	706/762	2025		3Q	2025		1Q	2025		2Q	2024		1Q	2024		1Q	2023		3Q	+2Q	
California	707	2015		4Q	2014		4Q	2014		1Q	2013		2Q	2012		4Q	2012		4Q	+4Q	a
Illinois	708	2013		2Q	2012		3Q	2011		4Q	2011		1Q	2010		4Q	2010		3Q	+3Q	a
Canada	709	2028		1Q	2028		1Q				2027		1Q				2030		3Q	N/C	c
Iowa	712	2020		3Q	2019		3Q	2018		1Q	2018		3Q	2019		3Q	2021		1Q	+4Q	a
Texas	713/281/832	2013		2Q	2013		1Q	2012		3Q	2012		2Q	2012		1Q	2012		1Q	+1Q	
California	714/657	2038		3Q	2008		2Q	2008		2Q	2008		2Q	2008	R	4Q	2008	R	4Q	+121Q	f
Wisconsin	715	2011		3Q	2011		1Q	2010		3Q	2009		4Q	2010		1Q	2009		4Q	+2Q	
New York	716	2017		2Q	2015		4Q	2015		3Q	2015		1Q	2015		1Q	2014		4Q	+6Q	a
Pennsylvania	717	2013		3Q	2013		1Q	2013		1Q	2012		1Q	2012		1Q	2011		3Q	+2Q	
New York	718/347	2011		4Q	2011		4Q	2011		3Q	2012		3Q	2013		1Q	2013		2Q	N/C	
Colorado	719	2022		4Q	2021		2Q	2021		2Q	2022		4Q	2021		3Q	2021		2Q	+6Q	a
Florida	727	2027		2Q	2026		4Q	2023		3Q	2021		1Q	2019		2Q	2018		1Q	+2Q	
Tennessee	731	2026		1Q	2024		3Q	2022		4Q	2021		3Q	2021		3Q	2021		1Q	+6Q	a
New Jersey	732/848	2031		1Q	2029		2Q	2027		3Q	2025		1Q	2024		1Q	2023		3Q	+7Q	a
Michigan	734	2017		3Q	2017		1Q	2015		4Q	2015		1Q	2014		3Q	2014		3Q	+2Q	
Ohio	740	2011		3Q	2011		2Q	2010		4Q	2010		2Q	2009		3Q	2009		3Q	+1Q	
Virginia	757	2015		3Q	2013		3Q	2012		4Q	2011		4Q	2011		3Q	2011		3Q	+8Q	a
California	760	2009	R	4Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	+1Q	l
Minnesota	763	2030		4Q	2030		2Q	2029		3Q	2029		3Q	2029		1Q	2028		3Q	+2Q	
Indiana	765	2015		3Q	2015		1Q	2014		1Q	2012		4Q	2012		1Q	2011		2Q	+2Q	
Georgia	770/678/470	2024		4Q	2023		1Q	2021		2Q	2020		3Q	2020		2Q	2019		4Q	+7Q	a
Florida	772	2036		4Q	2034		3Q	2033		3Q	2031		3Q	2030		4Q	2030		2Q	+9Q	a
Illinois	773	2009		3Q	2009		2Q	2009		1Q	2009		2Q	2009		2Q	2009		2Q	+1Q	
Nevada	775	2024		2Q	2022		4Q	2021		4Q	2020		3Q	2020		3Q	2019		2Q	+6Q	a
Massachusetts	781/339	2033		2Q	2031		1Q	2029		1Q	2027		1Q	2025		1Q	2024		3Q	+9Q	a
Kansas	785	2015		1Q	2016		1Q	2015		1Q	2014		1Q	2014		4Q	2013		4Q	-4Q	b
Puerto Rico	787/939	2027		1Q	2026		3Q	2026		3Q	2026		3Q	2026		3Q	2026		1Q	+2Q	
Utah	801	2009		2Q	2009		2Q	2009		2Q	2009		2Q	2009		2Q	2008		4Q	N/C	
Vermont	802	2018		3Q	2016		3Q	2015		3Q	2014		4Q	2014		3Q	2014		2Q	+8Q	a
South Carolina	803	2013		4Q	2013		3Q	2013		1Q	2012		3Q	2012		4Q	2012		2Q	+1Q	
Virginia	804	2018		2Q	2017		4Q	2016		4Q	2015		4Q	2015		2Q	2015		1Q	+2Q	a
California	805	2014		1Q	2013		3Q	2012		3Q	2012		1Q	2011		4Q	2011		3Q	+2Q	
Texas	806	2017		1Q	2017		2Q	2016		2Q	2015		3Q	2015		4Q	2015		4Q	-1Q	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
Canada	807																				c, d
Hawaii	808	2023		1Q	2021		3Q	2020		3Q	2019		3Q	2019		3Q	2019		2Q	+6Q	a
Michigan	810	2026		4Q	2026		2Q	2024		3Q	2022		3Q	2021		3Q	2021		2Q	+2Q	
Indiana	812	2012		2Q	2011		3Q	2011		1Q	2010		2Q	2010		1Q	2009		4Q	+3Q	a
Florida	813	2018		1Q	2018		1Q	2016		4Q	2016		2Q	2016		2Q	2016		2Q	N/C	
Pennsylvania	814	2013		1Q	2012		4Q	2012		2Q	2012		1Q	2011		3Q	2011		1Q	+1Q	
Illinois	815/779	2035		1Q	2035		1Q	2033		2Q	2032		4Q	2032		4Q	2006		4Q	N/C	
Missouri	816	2017		1Q	2016		1Q	2015		3Q	2015		3Q	2015		3Q	2014		3Q	+4Q	a
Texas	817/682	2028		1Q	2027		3Q	2025		3Q	2024		3Q	2024		3Q	2024		3Q	+2Q	
California	818	2009		4Q	2009		3Q	2009		3Q	2009		3Q	2010	R	3Q	2010	R	2Q	+1Q	
Canada	819	2017		3Q	2017		3Q				2014		3Q	2021		1Q	2027		3Q	N/C	c
North Carolina	828	2015		4Q	2015		2Q	2014		4Q	2014		1Q	2013		3Q	2012		4Q	+2Q	
Texas	830	2019		4Q	2018		4Q	2017		4Q	2016		4Q	2015		4Q	2015		1Q	+4Q	a
California	831	2034		4Q	2032		4Q	2030		1Q	2027		3Q	2026		2Q	2026		2Q	+8Q	a
South Carolina	843	2011		3Q	2011		1Q	2011		1Q	2011		2Q	2011		2Q	2010		4Q	+2Q	
New York	845	2016		1Q	2015		3Q	2014		4Q	2012		4Q	2012		2Q	2011		4Q	+2Q	
Illinois	847/224	2022		2Q	2021		2Q	2019		4Q	2019		1Q	2018		1Q	2017		4Q	+4Q	a
Florida	850	2013		1Q	2013		1Q	2011		4Q	2011		1Q	2010		4Q	2010		3Q	N/C	
New Jersey	856	2021		2Q	2020		1Q	2018		2Q	2017		2Q	2016		2Q	2015		4Q	+5Q	a
California	858	2029		4Q	2026		4Q	2026		2Q	2024		1Q	2023		1Q	2022		3Q	+12Q	a
Kentucky	859	2023		2Q	2022		4Q	2022		3Q	2020		3Q	2019		3Q	2018		3Q	+2Q	
Connecticut	860	2011		2Q	2010		4Q	2010		3Q	2009		4Q	2009		3Q	2009		2Q	+2Q	
Florida	863	2029		1Q	2027		3Q	2025		2Q	2023		3Q	2022		2Q	2021		4Q	+6Q	a
South Carolina	864	2016		2Q	2015		4Q	2015		3Q	2015		1Q	2015		1Q	2015		1Q	+2Q	
Tennessee	865	2027		1Q	2026		3Q	2025		2Q	2024		4Q	2024		4Q	2024		3Q	+2Q	
Canada	867																				c, d
Arkansas	870	2011		2Q	2010		4Q	2010		2Q	2010		1Q	2010		1Q	2009		3Q	+2Q	
Tennessee	901	2024		3Q	2023		2Q	2021		4Q	2020		3Q	2020		3Q	2020		1Q	+5Q	a
Canada	902	2018		4Q	2018		4Q				2013		4Q				2015		1Q	N/C	c
Texas	903/430	2025		4Q	2025		2Q	2024		3Q	2023		3Q	2023		1Q	2022		3Q	+2Q	
Florida	904	2018		2Q	2017		4Q	2017		3Q	2016		3Q	2015		4Q	2016		1Q	+2Q	
Michigan	906	2034		2Q	2033		4Q	2031		3Q	2028		1Q	2025		1Q	2023		3Q	+2Q	
Alaska	907	2012		3Q	2013		1Q	2013		2Q	2013		4Q	2016		2Q	2018		4Q	-3Q	b
New Jersey	908	2017		3Q	2017		2Q	2015		3Q	2014		1Q	2013		2Q	2012		1Q	+1Q	
California	909	2014		4Q	2014		2Q	2013		4Q	2013		4Q	2013		2Q	2013		3Q	+2Q	
North Carolina	910	2013		4Q	2013		3Q	2012		4Q	2012		3Q	2012		3Q	2012		1Q	+1Q	
Georgia	912	2018		4Q	2020		3Q	2021		2Q	2021		1Q	2020		1Q	2018		4Q	-7Q	b
Kansas	913	2030		1Q	2029		4Q	2029		3Q	2026		3Q	2025		3Q	2024		1Q	+1Q	
New York	914	2018		3Q	2018		1Q	2017		4Q	2016		2Q	2015		3Q	2015		2Q	+2Q	
Texas	915	2031		4Q	2031		2Q	2031		1Q	2027		3Q	2026		3Q	2025		2Q	+2Q	
California	916	2016		1Q	2015		4Q	2015		3Q	2015		1Q	2014		1Q	2013		2Q	+1Q	
New York	917																				e

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LOCATION	NPA	2008.2 FCST Year	R	Qtr	2008.1 FCST Year	R	Qtr	2007.2 FCST Year	R	Qtr	2007.1 FCST Year	R	Qtr	2006.2 FCST Year	R	Qtr	2006.1 FCST Year	R	Qtr	Change 2008.1 to 2008.2	Notes
Oklahoma	918	2011		4Q	2011		1Q	2011		1Q	2010		4Q	2010		2Q	2010		1Q	+3Q	a
North Carolina	919/984	2040		3Q	2040		3Q	2038		4Q	2038		2Q	2035		4Q	2035		2Q	N/C	
Wisconsin	920	2012		2Q	2011		4Q	2011		2Q	2010		2Q	2010		2Q	2009		4Q	+2Q	
California	925	2024		1Q	2022		2Q	2021		4Q	2019		3Q	2017		4Q	2016		1Q	+7Q	a
Arizona	928	2022		4Q	2022		2Q	2021		2Q	2022		2Q	2021		4Q	2021		3Q	+2Q	
Tennessee	931	2023		1Q	2022		3Q	2021		2Q	2019		4Q	2018		4Q	2017		4Q	+2Q	
Texas	936	2032		1Q	2028		4Q	2026		3Q	2024		2Q	2023		2Q	2022		4Q	+13Q	a
Ohio	937	2012		3Q	2012		2Q	2011		3Q	2011		3Q	2011		1Q	2010		2Q	+1Q	
Texas	940	2028		1Q	2026		4Q	2025		4Q	2024		1Q	2023		1Q	2022		3Q	+5Q	a
Florida	941	2029		3Q	2028		4Q	2027		2Q	2024		4Q	2022		4Q	2022		2Q	+3Q	a
California	949	2025		3Q	2025		1Q	2024		1Q	2022		2Q	2021		2Q	2020	R	2Q	+2Q	
California	951	2021		3Q	2021		1Q	2019		3Q	2018		4Q	2019		3Q	2019		4Q	+2Q	
Minnesota	952	2028		4Q	2028		3Q	2027		1Q	2026		2Q	2025		2Q	2023		4Q	+1Q	
Florida	954/754	2034		3Q	2032		1Q	2030		4Q	2030		1Q	2028		4Q	2028		4Q	+10Q	a
Texas	956	2016		2Q	2016		2Q	2016		2Q	2017		3Q	2017		3Q	2016		4Q	N/C	
Colorado	970	2015		2Q	2014		4Q	2014		4Q	2015		1Q	2014		3Q	2013		3Q	+2Q	
New Jersey	973/862	2023		4Q	2023		4Q	2022		3Q	2022		1Q	2021		2Q	2021		2Q	N/C	
Massachusetts	978/351	2034		3Q	2033		4Q	2031		3Q	2028		2Q	2026		2Q	2025		2Q	+3Q	a
Texas	979	2030		2Q	2029		4Q	2027		1Q	2024		3Q	2022		3Q	2021		2Q	+2Q	
Louisiana	985	2029		3Q	2028		4Q	2027		4Q	2024		4Q	2022		4Q	2022		2Q	+3Q	a
Michigan	989	2013		4Q	2013		3Q	2012		3Q	2011		4Q	2011		2Q	2010		3Q	+1Q	

NPA exhaust forecasts sorted by location:

LOCATION	NPA	2008.2 FCST Year	R	Qtr	2008.1 FCST Year	R	Qtr	2007.2 FCST Year	R	Qtr	2007.1 FCST Year	R	Qtr	2006.2 FCST Year	R	Qtr	2006.1 FCST Year	R	Qtr	Change 2008.1 to 2008.2	Notes
Alabama	205	2012		4Q	2013		3Q	2014		2Q	2013		2Q	2013		2Q	2013		1Q	-3Q	b
Alabama	251	2028		3Q	2028		1Q	2026		4Q	2026		2Q	2026		1Q	2025		4Q	+2Q	
Alabama	256	2011	R	2Q	2010	R	4Q	2010	R	4Q	2010		4Q	2010		3Q	2010		3Q	+2Q	l
Alabama	334	2013		4Q	2013		4Q	2013		2Q	2012		4Q	2013		4Q	2014		4Q	N/C	
Alaska	907	2012		3Q	2013		1Q	2013		2Q	2013		4Q	2016		2Q	2018		4Q	-3Q	b
American Samoa	684	2076		3Q	2076		3Q	2076		3Q	2076		3Q	2070		1Q	2068		4Q	N/C	
Arizona	480	2021		3Q	2021		3Q	2020		4Q	2020		4Q	2020		4Q	2021		2Q	N/C	
Arizona	520	2025		4Q	2025		3Q	2025		1Q	2025		1Q	2023		4Q	2023		2Q	+1Q	
Arizona	602	2019		4Q	2019		4Q	2018		3Q	2018		3Q	2018		3Q	2018		1Q	N/C	a
Arizona	623	2036		3Q	2036		2Q	2035		2Q	2034		4Q	2034		4Q	2031		3Q	+1Q	
Arizona	928	2022		4Q	2022		2Q	2021		2Q	2022		2Q	2021		4Q	2021		3Q	+2Q	
Arkansas	479	2028		3Q	2028		2Q	2026		4Q	2026		3Q	2026		3Q	2025		1Q	+1Q	
Arkansas	501	2023		1Q	2022		1Q	2020		4Q	2020		2Q	2019		2Q	2019		1Q	+4Q	a
Arkansas	870	2011		2Q	2010		4Q	2010		2Q	2010		1Q	2010		1Q	2009		3Q	+2Q	
California	209	2021		3Q	2021		3Q	2020		4Q	2020		2Q	2020		2Q	2019		4Q	N/C	
California	213	2037		3Q	2036		4Q	2033		3Q	2033		2Q	2030		4Q	2028		2Q	+3Q	a

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
California	310/424	2023		2Q	2022		4Q	2021		4Q	2021		3Q	2026		2Q	EXH			+2Q	
California	323	2012		2Q	2012		1Q	2012		3Q	2013		2Q	2013		2Q	2012		4Q	+1Q	
California	408	2012		2Q	2012		1Q	2011		2Q	2010		3Q	2010		3Q	2010		2Q	+1Q	
California	415	2015		2Q	2014		2Q	2013		3Q	2012		3Q	2012		1Q	2010	R	2Q	+4Q	a
California	510	2013	R	4Q	2013	R	3Q	2013	R	1Q	2012	R	3Q	2012	R	2Q	2011	R	3Q	+1Q	l
California	530	2016		2Q	2015		4Q	2015		4Q	2015		1Q	2015		1Q	2014		1Q	+2Q	
California	559	2017	R	3Q	2017	R	1Q	2016	R	3Q	2016	R	2Q	2016	R	1Q	2015	R	3Q	+2Q	l
California	562	2022		1Q	2021		3Q	2020		2Q	2020		2Q	2019		2Q	2019		2Q	+2Q	
California	619	2014		4Q	2014		2Q	2013		3Q	2013		2Q	2015		2Q	2015	R	2Q	+2Q	
California	626	2019	R	1Q	2018	R	4Q	2018	R	4Q	2017	R	4Q	2017	R	4Q	2017	R	1Q	+1Q	l
California	650	2021		4Q	2019		2Q	2017		3Q	2015		4Q	2015		4Q	2014		4Q	+10Q	a
California	661	2021		3Q	2020		3Q	2017		4Q	2016		4Q	2015		4Q	2014		4Q	+4Q	a
California	707	2015		4Q	2014		4Q	2014		1Q	2013		2Q	2012		4Q	2012		4Q	+4Q	a
California	714/657	2038		3Q	2008		2Q	2008		2Q	2008		2Q	2008	R	4Q	2008	R	4Q	+121Q	f
California	760	2009	R	4Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	+1Q	l
California	805	2014		1Q	2013		3Q	2012		3Q	2012		1Q	2011		4Q	2011		3Q	+2Q	
California	818	2009		4Q	2009		3Q	2009		3Q	2009		3Q	2010	R	3Q	2010	R	2Q	+1Q	
California	831	2034		4Q	2032		4Q	2030		1Q	2027		3Q	2026		2Q	2026		2Q	+8Q	a
California	858	2029		4Q	2026		4Q	2026		2Q	2024		1Q	2023		1Q	2022		3Q	+12Q	a
California	909	2014		4Q	2014		2Q	2013		4Q	2013		4Q	2013		2Q	2013		3Q	+2Q	
California	916	2016		1Q	2015		4Q	2015		3Q	2015		1Q	2014		1Q	2013		2Q	+1Q	
California	925	2024		1Q	2022		2Q	2021		4Q	2019		3Q	2017		4Q	2016		1Q	+7Q	a
California	949	2025		3Q	2025		1Q	2024		1Q	2022		2Q	2021		2Q	2020	R	2Q	+2Q	
California	951	2021		3Q	2021		1Q	2019		3Q	2018		4Q	2019		3Q	2019		4Q	+2Q	
Canada	204	2021		4Q	2021		4Q				2016		1Q				2020		2Q	N/C	c
Canada	250/778	2018		4Q	2018		4Q	2007		4Q	2007		4Q	2008		1Q	2010		2Q	N/C	c, n
Canada	289/905	2024		3Q	2014		3Q				2016		2Q				2021		4Q	+40Q	c
Canada	306	2023		4Q	2023		4Q				2019		4Q				2028		2Q	N/C	c
Canada	403/587/780	2024		4Q	2024		4Q	2008		3Q	2008		4Q	2009		4Q	2011		1Q	N/C	c, f, m
Canada	416/647	2017		1Q	2017		1Q				2017		2Q				2016		2Q	N/C	c
Canada	418/581				2008		4Q	2008		3Q	2007		4Q				2013		4Q	NA	c, f
Canada	450	2012		3Q	2014		4Q	2013		4Q	2012		4Q				2019		4Q	-9Q	c
Canada	506	2027		1Q	2027		1Q				2021		1Q				2019		3Q	N/C	c
Canada	514/438													2008		4Q					c, d
Canada	519/226	2019		2Q	2019		2Q				2021		1Q							N/C	c
Canada	604/778	2018		4Q				2011		3Q										N/C	c, n
Canada	613	2011		4Q	2011		3Q	2011		3Q	2012		2Q	2012		1Q	2014		2Q	+1Q	c
Canada	705	2015		1Q	2014		3Q	2015		2Q	2013		1Q				2023		3Q	+2Q	c
Canada	709	2028		1Q	2028		1Q				2027		1Q				2030		3Q	N/C	c
Canada	807																				c, d
Canada	819	2017		3Q	2017		3Q				2014		3Q	2021		1Q	2027		3Q	N/C	c
Canada	867																				c, d
Canada	902	2018		4Q	2018		4Q				2013		4Q				2015		1Q	N/C	c
CNMI	670	2322		4Q	2322		2Q	2320		3Q	2320		1Q	2320		1Q	2319		3Q	+2Q	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
Colorado	719	2022		4Q	2021		2Q	2021		2Q	2022		4Q	2021		3Q	2021		2Q	+6Q	a
Colorado	970	2015		2Q	2014		4Q	2014		4Q	2015		1Q	2014		3Q	2013		3Q	+2Q	
Colorado	303/720	2025		2Q	2025		2Q	2022		4Q	2022		2Q	2022		2Q	2021		1Q	N/C	
Connecticut	203	2010		2Q	2010		2Q	2009		4Q	2009		1Q	2008		4Q	2008		1Q	N/C	
Connecticut	860	2011		2Q	2010		4Q	2010		3Q	2009		4Q	2009		3Q	2009		2Q	+2Q	
Delaware	302	2025		1Q	2024		4Q	2021		3Q	2021		1Q	2019		4Q	2019		3Q	+1Q	
District of Columbia	202	2021		1Q	2022		4Q	2022		4Q	2019		1Q	2021		2Q	2026		1Q	-7Q	b
Florida	239	2029		2Q	2027		4Q	2025		3Q	2024		2Q	2021		4Q	2021		3Q	+6Q	a
Florida	305/786	2021		3Q	2020		4Q	2019		3Q	2019		1Q	2019		3Q	2019		3Q	+3Q	a, h
Florida	305A	2012		2Q	2011		2Q	2010		2Q	2009		2Q	2009		2Q	2009		2Q	+4Q	a, h
Florida	321A	2031		2Q	2029		2Q	2029		1Q	2026		3Q	2026		1Q	2025		3Q	+8Q	a, g
Florida	407/321	2011		3Q	2011		1Q	2010		3Q	2010		1Q	2010		2Q	2010		1Q	+2Q	g
Florida	352	2020		1Q	2019		3Q	2018		2Q	2017		2Q	2017		2Q	2016		4Q	+2Q	
Florida	386	2029		1Q	2028		3Q	2028		1Q	2027		3Q	2027		3Q	2027		2Q	+2Q	
Florida	561	2021		2Q	2019		3Q	2018		1Q	2017		4Q	2017		2Q	2017		2Q	+7Q	a
Florida	727	2027		2Q	2026		4Q	2023		3Q	2021		1Q	2019		2Q	2018		1Q	+2Q	
Florida	772	2036		4Q	2034		3Q	2033		3Q	2031		3Q	2030		4Q	2030		2Q	+9Q	a
Florida	813	2018		1Q	2018		1Q	2016		4Q	2016		2Q	2016		2Q	2016		2Q	N/C	
Florida	850	2013		1Q	2013		1Q	2011		4Q	2011		1Q	2010		4Q	2010		3Q	N/C	
Florida	863	2029		1Q	2027		3Q	2025		2Q	2023		3Q	2022		2Q	2021		4Q	+6Q	a
Florida	904	2018		2Q	2017		4Q	2017		3Q	2016		3Q	2015		4Q	2016		1Q	+2Q	
Florida	941	2029		3Q	2028		4Q	2027		2Q	2024		4Q	2022		4Q	2022		2Q	+3Q	a
Florida	954/754	2034		3Q	2032		1Q	2030		4Q	2030		1Q	2028		4Q	2028		4Q	+10Q	a
Georgia	229	2013		1Q	2015		3Q	2020		4Q	2019		4Q	2017		2Q	2017		1Q	-10Q	b
Georgia	404	2014		2Q	2014		1Q	2013		2Q	2012		4Q	2012		3Q	2012		1Q	+1Q	
Georgia	478	2028		3Q	2029		2Q	2029		3Q	2029		2Q	2029		1Q	2028		3Q	-3Q	b
Georgia	706/762	2025		3Q	2025		1Q	2025		2Q	2024		1Q	2024		1Q	2023		3Q	+2Q	
Georgia	770/678/470	2024		4Q	2023		1Q	2021		2Q	2020		3Q	2020		2Q	2019		4Q	+7Q	a
Georgia	912	2018		4Q	2020		3Q	2021		2Q	2021		1Q	2020		1Q	2018		4Q	-7Q	b
Guam	671	2299		4Q	2299		2Q	2297		3Q	2297		1Q	2297		1Q	2296		3Q	+2Q	
Hawaii	808	2023		1Q	2021		3Q	2020		3Q	2019		3Q	2019		3Q	2019		2Q	+6Q	a
Idaho	208	2012		2Q	2012		1Q	2011		3Q	2011		2Q	2010		1Q	2010		1Q	+1Q	
Illinois	217	2011		4Q	2011		2Q	2010		3Q	2009		3Q	2008		4Q	2008		4Q	+2Q	
Illinois	309	2014		3Q	2013		4Q	2012		4Q	2011		3Q	2010		3Q	2010		4Q	+3Q	a
Illinois	312	2017		3Q	2017		3Q	2016		3Q	2015		4Q	2015		2Q	2014		4Q	N/C	
Illinois	618	2012		1Q	2011		2Q	2010		3Q	2010		1Q	2009	R	4Q	2009		2Q	+3Q	a
Illinois	630/331	2035		2Q	2035		1Q	2032		3Q	2007		2Q	2006		4Q	2006		3Q	+1Q	
Illinois	708	2013		2Q	2012		3Q	2011		4Q	2011		1Q	2010		4Q	2010		3Q	+3Q	a
Illinois	773	2009		3Q	2009		2Q	2009		1Q	2009		2Q	2009		2Q	2009		2Q	+1Q	
Illinois	815/779	2035		1Q	2035		1Q	2033		2Q	2032		4Q	2032		4Q	2006		4Q	N/C	
Illinois	847/224	2022		2Q	2021		2Q	2019		4Q	2019		1Q	2018		1Q	2017		4Q	+4Q	a
Indiana	219	2030		3Q	2029		4Q	2027		2Q	2025		4Q	2023		4Q	2022		4Q	+3Q	a
Indiana	260	2030		3Q	2030		2Q	2028		2Q	2025		4Q	2024		3Q	2024		1Q	+1Q	
Indiana	317	2014		1Q	2013		4Q	2013		3Q	2013		1Q	2012		3Q	2012		1Q	+1Q	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
Indiana	574	2034		4Q	2034		2Q	2028		4Q	2026		3Q	2026		3Q	2026		1Q	+2Q	
Indiana	765	2015		3Q	2015		1Q	2014		1Q	2012		4Q	2012		1Q	2011		2Q	+2Q	
Indiana	812	2012		2Q	2011		3Q	2011		1Q	2010		2Q	2010		1Q	2009		4Q	+3Q	a
Iowa	319	2018		4Q	2017		3Q	2016		4Q	2021		4Q	2026		3Q	2035		4Q	+5Q	a
Iowa	515	2021		2Q	2019		4Q	2016		3Q	2017		3Q	2020		4Q	2024		2Q	+6Q	a
Iowa	563	2028		3Q	2027		4Q	2027		3Q	2025		1Q	2025		1Q	2035		3Q	+3Q	a
Iowa	641	2020		2Q	2018		3Q	2016		4Q	2017		3Q	2018		3Q	2023		4Q	+7Q	a
Iowa	712	2020		3Q	2019		3Q	2018		1Q	2018		3Q	2019		3Q	2021		1Q	+4Q	a
Kansas	316	2037		3Q	2037		1Q	2034		4Q	2031		3Q	2031		1Q	2028		1Q	+2Q	
Kansas	620	2015		4Q	2015		4Q	2014		2Q	2013		4Q	2013		4Q	2013		1Q	N/C	
Kansas	785	2015		1Q	2016		1Q	2015		1Q	2014		1Q	2014		4Q	2013		4Q	-4Q	b
Kansas	913	2030		1Q	2029		4Q	2029		3Q	2026		3Q	2025		3Q	2024		1Q	+1Q	
Kentucky	270	2011	R	2Q	2010	R	3Q	2009	R	2Q	2008	R	4Q	2008	R	3Q	2009		1Q	+3Q	a, l
Kentucky	502	2019		3Q	2018		3Q	2017		3Q	2017		1Q	2016		3Q	2016		3Q	+4Q	a
Kentucky	606	2019		4Q	2018		4Q	2018		4Q	2017		4Q	2016		4Q	2015		3Q	+4Q	a
Kentucky	859	2023		2Q	2022		4Q	2022		3Q	2020		3Q	2019		3Q	2018		3Q	+2Q	
Louisiana	225	2029		1Q	2028		3Q	2026		2Q	2023		2Q	2022		4Q	2022		2Q	+2Q	
Louisiana	318	2016		1Q	2015		4Q	2014		2Q	2013		2Q	2012		3Q	2012		1Q	+1Q	
Louisiana	337	2018		1Q	2017		3Q	2016		4Q	2015		4Q	2015		4Q	2014		2Q	+2Q	
Louisiana	504	2026		1Q	2024		3Q	2023		3Q	2022		2Q	2021		4Q	2021		3Q	+6Q	a
Louisiana	985	2029		3Q	2028		4Q	2027		4Q	2024		4Q	2022		4Q	2022		2Q	+3Q	a
Maine	207	2014		4Q	2014		4Q	2014		4Q	2013		3Q	2013		3Q	2013		3Q	N/C	
Maryland	301/240	2022		2Q	2021		3Q	2015		3Q	2014		3Q	2014		3Q	2014		3Q	+3Q	a
Maryland	410/443	2011		2Q	2011		2Q	2010		4Q	2009		4Q	2009		4Q	2009		4Q	N/C	
Massachusetts	413	2023		3Q	2021		3Q	2020		4Q	2019		2Q	2018		4Q	2017		4Q	+8Q	a
Massachusetts	508/774	2019		1Q	2018		1Q	2016		3Q	2015		1Q	2014		2Q	2013		4Q	+4Q	a
Massachusetts	617/857	2031		1Q	2030		4Q	2026		3Q	2025		4Q	2024		4Q	2024		2Q	+1Q	
Massachusetts	781/339	2033		2Q	2031		1Q	2029		1Q	2027		1Q	2025		1Q	2024		3Q	+9Q	a
Massachusetts	978/351	2034		3Q	2033		4Q	2031		3Q	2028		2Q	2026		2Q	2025		2Q	+3Q	a
Michigan	231	2026		2Q	2026		2Q	2022		3Q	2021		1Q	2020		3Q	2018		3Q	N/C	
Michigan	248/947	2035		3Q	2032		1Q	2030		1Q	2026		3Q	2024		4Q	2024		4Q	+14Q	a
Michigan	269	2025		4Q	2025		3Q	2023		2Q	2023		1Q	2022		4Q	2022		2Q	+1Q	
Michigan	313	2018		2Q	2017		2Q	2015		4Q	2015		4Q	2016		3Q	2017		3Q	+4Q	a
Michigan	517	2018		4Q	2017		4Q	2016		3Q	2015		3Q	2014		4Q	2014		1Q	+4Q	a
Michigan	586	2027		4Q	2026		4Q	2025		4Q	2024		1Q	2023		4Q	2023		2Q	+4Q	a
Michigan	616	2026		2Q	2024		1Q	2023		1Q	2021		2Q	2020		2Q	2019		2Q	+9Q	a
Michigan	734	2017		3Q	2017		1Q	2015		4Q	2015		1Q	2014		3Q	2014		3Q	+2Q	
Michigan	810	2026		4Q	2026		2Q	2024		3Q	2022		3Q	2021		3Q	2021		2Q	+2Q	
Michigan	906	2034		2Q	2033		4Q	2031		3Q	2028		1Q	2025		1Q	2023		3Q	+2Q	
Michigan	989	2013		4Q	2013		3Q	2012		3Q	2011		4Q	2011		2Q	2010		3Q	+1Q	
Minnesota	218	2017		1Q	2017		1Q	2016		2Q	2016		4Q	2016		4Q	2016		1Q	N/C	
Minnesota	320	2024		3Q	2024		3Q	2020		3Q	2019		3Q	2018		2Q	2019		3Q	N/C	
Minnesota	507	2014		1Q	2013		3Q	2012		3Q	2012		1Q	2012		1Q	2012		4Q	+2Q	
Minnesota	612	2026		2Q	2026		2Q	2024		3Q	2024		1Q	2023		3Q	2022		3Q	N/C	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
Minnesota	651	2026		1Q	2025		3Q	2025		3Q	2025		3Q	2024		4Q	2024		2Q	+2Q	
Minnesota	763	2030		4Q	2030		2Q	2029		3Q	2029		3Q	2029		1Q	2028		3Q	+2Q	
Minnesota	952	2028		4Q	2028		3Q	2027		1Q	2026		2Q	2025		2Q	2023		4Q	+1Q	
Mississippi	228	2039		1Q	2038		3Q	2036		2Q	2034		1Q	2032		1Q	2031		4Q	+2Q	
Mississippi	601/769	2033		2Q	2032		4Q	2030		4Q	2030		2Q	2030		2Q	2030		2Q	+2Q	
Mississippi	662	2012		2Q	2011		4Q	2011		1Q	2010		2Q	2010		1Q	2009		4Q	+2Q	
Missouri	314	2017		3Q	2017		4Q	2015		4Q	2015		2Q	2014		2Q	2013		4Q	-1Q	
Missouri	417	2012		3Q	2011		4Q	2011		3Q	2011		1Q	2011		1Q	2010		2Q	+3Q	a
Missouri	573	2013		4Q	2012		3Q	2012		1Q	2011		3Q	2011		2Q	2010		4Q	+5Q	a
Missouri	636	2030		3Q	2029		3Q	2028		1Q	2027		3Q	2025		2Q	2024		4Q	+4Q	a
Missouri	660	2018		3Q	2017		3Q	2016		3Q	2015		3Q	2015		2Q	2015		2Q	+4Q	a
Missouri	816	2017		1Q	2016		1Q	2015		3Q	2015		3Q	2015		3Q	2014		3Q	+4Q	a
Montana	406	2012		4Q	2011		4Q	2011		2Q	2011		1Q	2010		4Q	2011		3Q	+4Q	a
Nebraska	308	2031		2Q	2030		4Q	2030		3Q	2029		3Q	2029		3Q	2028		3Q	+2Q	
Nebraska	402	2010		3Q	2010		2Q	2009		4Q	2009		3Q	2009		1Q	2008		2Q	+1Q	
Nevada	702	2013		3Q	2013		2Q	2013		2Q	2013		2Q	2013		1Q	2013		2Q	+1Q	
Nevada	775	2024		2Q	2022		4Q	2021		4Q	2020		3Q	2020		3Q	2019		2Q	+6Q	a
New Hampshire	603	2011		2Q	2011		1Q	2010		4Q	2010		2Q	2010		2Q	2009		2Q	+1Q	
New Jersey	201/551	2042		1Q	2037		2Q	2033		4Q	2037		4Q	2035		2Q	2034		4Q	+19Q	a
New Jersey	609	2013		2Q	2013		2Q	2012		3Q	2011		2Q	2010		4Q	2010		1Q	N/C	
New Jersey	732/848	2031		1Q	2029		2Q	2027		3Q	2025		1Q	2024		1Q	2023		3Q	+7Q	a
New Jersey	856	2021		2Q	2020		1Q	2018		2Q	2017		2Q	2016		2Q	2015		4Q	+5Q	a
New Jersey	908	2017		3Q	2017		2Q	2015		3Q	2014		1Q	2013		2Q	2012		1Q	+1Q	
New Jersey	973/862	2023		4Q	2023		4Q	2022		3Q	2022		1Q	2021		2Q	2021		2Q	N/C	
New Mexico	505	2022		4Q	2009		1Q	2009		1Q	2009		1Q	2009		1Q	2009		1Q	+54Q	f
New Mexico	575	2027		2Q																N/A	f
New York	212/646	2014		2Q	2014		2Q	2013		3Q	2011		3Q	2010		3Q	2010		2Q	N/C	
New York	315	2012		1Q	2011		1Q	2010		3Q	2010		3Q	2011		1Q	2011		1Q	+4Q	a
New York	516	2016		3Q	2015		4Q	2014		4Q	2013		4Q	2012		4Q	2012		3Q	+3Q	a
New York	518	2014		3Q	2013		3Q	2012		4Q	2012		2Q	2012		2Q	2011		3Q	+4Q	a
New York	585	2020		1Q	2019		1Q	2017		4Q	2017		4Q	2017		4Q	2016		4Q	+4Q	a
New York	607	2023		1Q	2020		3Q	2020		2Q	2021		4Q	2020		4Q	2019		3Q	+10Q	a
New York	631	2013		4Q	2012		4Q	2012		1Q	2011		2Q	2010		4Q	2010		2Q	+4Q	a
New York	716	2017		2Q	2015		4Q	2015		3Q	2015		1Q	2015		1Q	2014		4Q	+6Q	a
New York	718/347	2011		4Q	2011		4Q	2011		3Q	2012		3Q	2013		1Q	2013		2Q	N/C	
New York	845	2016		1Q	2015		3Q	2014		4Q	2012		4Q	2012		2Q	2011		4Q	+2Q	
New York	914	2018		3Q	2018		1Q	2017		4Q	2016		2Q	2015		3Q	2015		2Q	+2Q	
New York	917																				e
North Carolina	252	2016		3Q	2016		1Q	2015		3Q	2016		3Q	2017		2Q	2017		1Q	+2Q	
North Carolina	336	2013		3Q	2013		1Q	2012		3Q	2012		1Q	2012		1Q	2011		3Q	+2Q	
North Carolina	704/980	2026		2Q	2025		3Q	2024		2Q	2023		4Q	2024		2Q	2031		2Q	+3Q	a
North Carolina	828	2015		4Q	2015		2Q	2014		4Q	2014		1Q	2013		3Q	2012		4Q	+2Q	
North Carolina	910	2013		4Q	2013		3Q	2012		4Q	2012		3Q	2012		3Q	2012		1Q	+1Q	
North Carolina	919/984	2040		3Q	2040		3Q	2038		4Q	2038		2Q	2035		4Q	2035		2Q	N/C	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	Notes
North Dakota	701	2013		2Q	2013		2Q	2013		3Q	2013		2Q	2013		3Q	2013		2Q	N/C	
Ohio	216	2027		4Q	2027		1Q	2025		2Q	2024		4Q	2022		1Q	2019		3Q	+3Q	a
Ohio	330/234	2031		1Q	2030		3Q	2028		4Q	2028		3Q	2028		2Q	2027		4Q	+2Q	
Ohio	419/567	2023		1Q	2022		3Q	2021		2Q	2020		3Q	2019		3Q	2019		1Q	+2Q	
Ohio	440	2018		1Q	2017		4Q	2017		3Q	2016		3Q	2015		3Q	2015		2Q	+1Q	
Ohio	513	2017		3Q	2016		3Q	2015		4Q	2015		1Q	2014		4Q	2014		3Q	+4Q	a
Ohio	614	2017		1Q	2016		1Q	2016		1Q	2015		4Q	2015		2Q	2014		4Q	+4Q	a
Ohio	740	2011		3Q	2011		2Q	2010		4Q	2010		2Q	2009		3Q	2009		3Q	+1Q	
Ohio	937	2012		3Q	2012		2Q	2011		3Q	2011		3Q	2011		1Q	2010		2Q	+1Q	
Oklahoma	405	2015		4Q	2016		2Q	2016		3Q	2015		3Q	2015		2Q	2015		1Q	-2Q	
Oklahoma	580	2013		4Q	2012		3Q	2012		1Q	2011		1Q	2010		2Q	2009		4Q	+5Q	a
Oklahoma	918	2011		4Q	2011		1Q	2011		1Q	2010		4Q	2010		2Q	2010		1Q	+3Q	a
Oregon	503/971	2033		4Q	2032		2Q	2029		3Q	2028		3Q	2028		2Q	2027		3Q	+6Q	a
Oregon	503A							2008		4Q	2008		4Q	2008		4Q	2009		3Q	NA	j
Oregon	541	2010		4Q	2011		1Q	2011		1Q	2010		4Q	2010		3Q	2010		2Q	-1Q	
Pennsylvania	215/267	2014		3Q	2014		2Q	2013		3Q	2013		3Q	2013		3Q	2013		1Q	+1Q	
Pennsylvania	412/878/724	2026		1Q	2025		4Q	2025		3Q	2025		1Q	2024		1Q	2023		4Q	+1Q	
Pennsylvania	570	2012		2Q	2011		4Q	2011		3Q	2011		2Q	2011		1Q	2011		1Q	+2Q	
Pennsylvania	610/484	2013		2Q	2012		4Q	2012		3Q	2012		3Q	2011		3Q	2011		3Q	+2Q	
Pennsylvania	717	2013		3Q	2013		1Q	2013		1Q	2012		1Q	2012		1Q	2011		3Q	+2Q	
Pennsylvania	814	2013		1Q	2012		4Q	2012		2Q	2012		1Q	2011		3Q	2011		1Q	+1Q	
Puerto Rico	787/939	2027		1Q	2026		3Q	2026		3Q	2026		3Q	2026		3Q	2026		1Q	+2Q	
Rhode Island	401	2019		4Q	2019		4Q	2018		1Q	2016		4Q	2016		1Q	2015		4Q	N/C	
South Carolina	803	2013		4Q	2013		3Q	2013		1Q	2012		3Q	2012		4Q	2012		2Q	+1Q	
South Carolina	843	2011		3Q	2011		1Q	2011		1Q	2011		2Q	2011		2Q	2010		4Q	+2Q	
South Carolina	864	2016		2Q	2015		4Q	2015		3Q	2015		1Q	2015		1Q	2015		1Q	+2Q	
South Dakota	605	2016		3Q	2015		4Q	2014		4Q	2014		1Q	2014		1Q	2013		4Q	+4Q	a
Tennessee	423	2017		1Q	2016		4Q	2016		2Q	2015		3Q	2015		3Q	2015		3Q	+1Q	
Tennessee	615	2013		3Q	2013		2Q	2013		1Q	2012		4Q	2012		3Q	2012		3Q	+1Q	
Tennessee	731	2026		1Q	2024		3Q	2022		4Q	2021		3Q	2021		3Q	2021		1Q	+6Q	a
Tennessee	865	2027		1Q	2026		3Q	2025		2Q	2024		4Q	2024		4Q	2024		3Q	+2Q	
Tennessee	901	2024		3Q	2023		2Q	2021		4Q	2020		3Q	2020		3Q	2020		1Q	+5Q	a
Tennessee	931	2023		1Q	2022		3Q	2021		2Q	2019		4Q	2018		4Q	2017		4Q	+2Q	
Texas	210	2015		3Q	2015		1Q	2015		1Q	2015		1Q	2015		1Q	2021		1Q	+2Q	
Texas	214/972/469	2018		1Q	2017		3Q	2016		2Q	2015		4Q	2015		3Q	2015		1Q	+2Q	
Texas	254	2021		1Q	2020		3Q	2018		2Q	2017		4Q	2017		3Q	2017		3Q	+2Q	
Texas	325	2029		2Q	2028		4Q	2026		3Q	2023		3Q	2023		1Q	2020		2Q	+2Q	
Texas	361	2016		3Q	2016		1Q	2015		4Q	2015		2Q	2015		3Q	2015		1Q	+2Q	
Texas	409	2028		2Q	2028		3Q	2026		3Q	2024		4Q	2023		4Q	2021		4Q	-1Q	
Texas	432	2033		1Q	2032		4Q	2029		4Q	2028		1Q	2027		1Q	2026		3Q	+1Q	
Texas	512	2012		1Q	2012		1Q	2011		3Q	2011		1Q	2010		4Q	2011		4Q	N/C	
Texas	713/281/832	2013		2Q	2013		1Q	2012		3Q	2012		2Q	2012		1Q	2012		1Q	+1Q	
Texas	806	2017		1Q	2017		2Q	2016		2Q	2015		3Q	2015		4Q	2015		4Q	-1Q	
Texas	817/682	2028		1Q	2027		3Q	2025		3Q	2024		3Q	2024		3Q	2024		3Q	+2Q	

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LOCATION	NPA	2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			Change	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	2008.1 to 2008.2	
Texas	830	2019		4Q	2018		4Q	2017		4Q	2016		4Q	2015		4Q	2015		1Q	+4Q	a
Texas	903/430	2025		4Q	2025		2Q	2024		3Q	2023		3Q	2023		1Q	2022		3Q	+2Q	
Texas	915	2031		4Q	2031		2Q	2031		1Q	2027		3Q	2026		3Q	2025		2Q	+2Q	
Texas	936	2032		1Q	2028		4Q	2026		3Q	2024		2Q	2023		2Q	2022		4Q	+13Q	a
Texas	940	2028		1Q	2026		4Q	2025		4Q	2024		1Q	2023		1Q	2022		3Q	+5Q	a
Texas	956	2016		2Q	2016		2Q	2016		2Q	2017		3Q	2017		3Q	2016		4Q	N/C	
Texas	979	2030		2Q	2029		4Q	2027		1Q	2024		3Q	2022		3Q	2021		2Q	+2Q	
Utah	435	2030		2Q	2026		2Q	2024		4Q	2023		3Q	2022		2Q	2021		2Q	+16Q	a
Utah	801	2009		2Q	2009		2Q	2009		2Q	2009		2Q	2009		2Q	2008		4Q	N/C	
Vermont	802	2018		3Q	2016		3Q	2015		3Q	2014		4Q	2014		3Q	2014		2Q	+8Q	a
Virgin Islands	340	2131		2Q	2131		1Q	2130		3Q	2130		3Q	2130		1Q	2129		3Q	+1Q	
Virginia	276	2050		1Q	2049		4Q	2045		4Q	2039		4Q	2037		2Q	2036		3Q	+1Q	
Virginia	434	2036		3Q	2033		3Q	2032		2Q	2029		4Q	2028		2Q	2027		3Q	+12Q	a
Virginia	540	2017		3Q	2017		3Q	2016		1Q	2015		1Q	2014		3Q	2014		2Q	N/C	
Virginia	703/571	2023		3Q	2023		1Q	2021		3Q	2020		3Q	2020		3Q	2020		1Q	+2Q	a
Virginia	757	2015		3Q	2013		3Q	2012		4Q	2011		4Q	2011		3Q	2011		3Q	+8Q	a
Virginia	804	2018		2Q	2017		4Q	2016		4Q	2015		4Q	2015		2Q	2015		1Q	+2Q	a
Washington	206	2020		3Q	2023		2Q	2021		4Q	2023		1Q	2022		4Q	2024		1Q	-11Q	b
Washington	253	2028		2Q	2026		3Q	2025		2Q	2025		1Q	2023		1Q	2022		3Q	+7Q	a
Washington	360	2012		2Q	2011		4Q	2011		3Q	2010		4Q	2010		1Q	2010		1Q	+2Q	
Washington	425	2030		3Q	2031		1Q	2031		1Q	2027		3Q	2025		3Q	2025		1Q	-2Q	
Washington	509	2014		2Q	2014		1Q	2013		1Q	2012		3Q	2012		1Q	2011		3Q	+1Q	
West Virginia	304/681	2035		1Q	2009		1Q	2008		4Q	2008		3Q	2007		3Q	2007		3Q	+104Q	f
Wisconsin	262	2023		1Q	2022		4Q	2020		2Q	2018		2Q	2017		4Q	2017		2Q	+1Q	
Wisconsin	414	2032		2Q	2032		1Q	2028		3Q	2025		2Q	2023		4Q	2023		2Q	+1Q	
Wisconsin	608	2017		1Q	2016		4Q	2016		3Q	2015		4Q	2015		4Q	2014		4Q	+1Q	
Wisconsin	715	2011		3Q	2011		1Q	2010		3Q	2009		4Q	2010		1Q	2009		4Q	+2Q	
Wisconsin	920	2012		2Q	2011		4Q	2011		2Q	2010		2Q	2010		2Q	2009		4Q	+2Q	
Wyoming	307	2026		1Q	2025		1Q	2025		1Q	2024		1Q	2023		1Q	2022		4Q	+4Q	a

Notes:

a. Reduced historical and projected demand.

b. Increased historical and projected demand.

c. Forecast based upon information provided by the Canadian Numbering Authority (CNA). The CNA normally provides only one projection per year. Change is from last forecast provided..

d. Canadian NPA. With an exhaust date beyond 2027, there is no exhaust date provided.

e. NPA is at exhaust. No codes available except for returns.

f. New NPA added.

g. Area Code 321A includes only Brevard County Florida; 407/321 includes the Counties around Orlando in Central Florida

h. Area Code 305A includes only the Keys area of Florida; Area Code 305/786 is the Miami-Dade area of Florida.

i. "Intentionally left blank."

j. Area Code 503A has been combined into Overlay Complex 503/971.

k. Interim forecast issued by Canadian Numbering Authority

l. The "R" refers to the forecast projection made at the published ration level alone.

m. Canadian NPAs 403 and 780 are overlaid with NPA 587.

n. Canadian boundary realignment among NPAs 250, 604, and 778.

ATTACHMENT 7 — 2008 NANP EXHAUST ANALYSIS

Introduction

NANPA projects the exhaust of the NANP based upon the utilization and forecast data submitted by carriers via the NRUF process. The following assumptions were used in this exhaust analysis.

October 2008 NANP Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2008 NANP exhaust projection prepared by NANPA. These are the same assumptions used in previous NANP exhaust studies.

1. The NANP exhaust study uses as its basis the CO code demand, which includes carrier and Pooling Administrator forecasts, historical CO code assignments and other NPA-specific information, calculated for each respective NPA. The monthly CO code demand as calculated in the NPA exhaust analysis is straight-lined to determine demand outside the five-year time frame included in NRUF submissions.
2. For NPAs in rationing, NANPA compared the actual CO code demand over the past year(s) with the rationed amount. In addition, NANPA compared the forecasted CO code demand provided by service providers and/or the Pooling Administrator to the rationed amount. Based upon this analysis, NANPA identified an average annual CO code demand rate for the NPA.
3. A new NPA will be required when the number of assigned and unavailable CO codes reaches 800.
4. It is assumed that each new NPA will require the same number of unassignable codes as the current NPA. It appears that most of the unassignable codes in the existing NPAs are duplicated in the new NPA. There are also times when additional codes in the new NPA are marked unassignable.
5. No assumptions were made with regard to the relief method implemented (i.e., NPA split vs. overlay). However, it was assumed that the selected relief method did not require the duplication or protection of central office codes above those identified in number 4 above.
6. The CO code demand for an exhausting NPA will be continued after relief. By doing so, the demand for both the existing and new NPAs will be taken into account for the geographic area covered by the original NPA.
7. The total quantity of available NPA codes will be 685 NPAs. This figure is derived as follows: 800 NPAs less NPAs reserved for NANP expansion (80), N11 codes (8), 555 and 950 NPAs (2), toll-free NPAs (13)[1] and non-geographic NPAs (11)[2].
8. To account for the variability of demand, a sensitivity analysis was performed to the CO code demand (i.e., demand will be increased and decreased by increments of 10%) to understand the impact on NANP exhaust.

Results based on Assumptions

As recognized in previous NANP exhaust analyses, the model is sensitive to the yearly CO code demand rate. Using the monthly CO code demand for each NPA as calculated in the October 2008 NPA Exhaust Analysis, and straight-lining this demand beyond the five-year time frame included in NRUF submissions, creates an average yearly demand rate of 6,700 CO codes. This yearly demand rate was compared with demand rates in 2003 through 2008.

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2003	3,200	1,400
2004	3,100	2,100
2005	3,300	2,300
2006	4,100	3,400
2007	3,200	2,900
2008 (Annualized)	2,900	2,300

In order to provide a NANP exhaust analysis more reflective of the current industry trend in terms of yearly CO code demand, NANPA selected a base case with an average annual demand of 6,000[3] CO codes. This represents approximately a 10% reduction in the annual demand created using the October 2008 NPA Exhaust Analysis. Although this number is higher than the gross CO code demand in previous years, it accounts for any possible increase in CO code demand that may occur over the remaining years of the NANP life.

Model Based on Projected Demand

Using an average CO code demand rate of 6,000 codes assigned per year, the projected NANP exhaust date is beyond 2038, assuming the quantity of NPAs available remains 685.[4]

Sensitivity Analysis

Due to the results of the base model, the only sensitivity analysis performed was an increase in the average annual CO code demand on the results. For comparison purposes, NANPA performed a sensitivity analysis using an average annual demand of 6,700 CO codes, which represented the gross demand as calculated from the October 2008 NPA Exhaust Analysis. This resulted in a projected exhaust beyond 2038.

1 NPAs 855, 844, 833, 822, 880, 881, 882, 883, 884, 885, 886, 887 and 889.

2 These include the 5 codes reserved for future PCS expansion (522, 544, 566, 577, and 588) and 6 of the codes reserved for Canada (622, 633, 644, 655, 677, and 688).

3 The base models used in the 2005, 2006 and April 2007 exhaust studies used an average demand rate of 6,500 codes.

4 The base model for the 2008 NANP Exhaust study projected an exhaust date beyond 2038.

ATTACHMENT 8 – WHERE TO FIND NUMBERING INFORMATION

Many key numbering documents are available through the Internet. Here are some useful sites.

www.nanpa.com

This is the official NANPA website. Its contents include:

- Assignment listings for NANP numbering resources, including area codes, CICs, N11 codes, and vertical service codes.
- Relief planning information for the U.S. and its territories, including a status chart, planning letters, and press releases.
- Central office code assignment information for the U.S. and its territories.
- Contact information for numbering resources.
- Jeopardy procedures.
- Information for NRUF submissions.
- U.S. area code maps.

www.cnac.ca

This is the Canadian Numbering Administrator's site. This site is the master reference for Canadian numbering assignment information and includes information similar to that provided by www.nanpa.com for the U.S. and its territories.

www.nationalpooling.com

This is the site for the National Pooling Administrator. Information concerning thousand block assignments and availability can be found here.

www.fcc.gov

Sections of the FCC's website of particular interest are:

- www.fcc.gov/wcb - the home page of the Wireline Competition Bureau. Orders related to numbering topics, including the Number Resource Optimization (NRO) orders, can be found here.
- http://www.fcc.gov/wcb/cpd/Nanc - the home page for the North American Numbering Council (NANC), a federal advisory committee of the FCC that provides analysis and recommendations to the FCC on numbering issues. This site contains their charter, meeting minutes, and membership lists.

www.crtc.gc.ca

This is the site for the Canadian Radio-television and Telecommunications Commission, the Canadian regulator.

www.nanc-chair.org

The home page for the Chair of the NANC. It contains presentations and reports provided to the NANC on issues currently being addressed by the council. Also included is documentation from the various NANC working groups and issue management groups.

www.atis.org

This is the Alliance for Telecommunications Industry Solutions (ATIS) site. It has several sections of interest for numbering. Of particular interest is the Industry Numbering Committee (INC). All finalized INC documents are available for download, including assignment guidelines for numbering resources.

www.itu.int

This is the home page of the International Telecommunications Union in Geneva, the group that sets international standards for telephone numbers. Although much of the information on the site is available to ITU members only, some documents are available to all, including a list of assigned country codes.

www.naruc.org

This is the home page of the National Association of Regulatory Utility Commissioners. NARUC and its committees frequently take positions on numbering issues. Links to all of the state commissions' websites can be found at this site.

www.npac.com

This is the site for the Number Portability Administration Center or NPAC. The NPAC facilitates local number portability, the ability to change your service provider while retaining your telephone number.

www.sms800.com

This site contains information about the 800 Service Management System (SMS/800) which is the central administration system for the management of Toll Free Services.

www.ESQK.com

This is the site of the Interim Routing Number Authority (IRNA) for the pseudo Automatic Number Identification (p-ANI) codes which are used for routing emergency calls for Voice over Internet Protocol (VoIP) services.

www.mbiadmin.com

This is the home page for the USA and Puerto Rico wireless number resource administrator for Mobile Identification Numbers (MIN), called the MIN Block Identifier (MBI). MBI Administration was created in 2002 when the MIN was separated from the Mobile Directory Number (MDN) and became a new number resource to support nationwide roaming, wireless number portability and number pooling.

ATTACHMENT 9 — CONTACTS IN COUNTRIES PARTICIPATING IN THE NORTH AMERICAN NUMBERING PLAN

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Anguilla	Hon. Kenneth Harrigan Minister of Infrastructure, Communications, Utilities and Housing Post Office Box 60 Coronation Avenue The Valley, Anguilla West Indies Phone 264-497-2442 Fax 264-497-5695 kenneth.harrigan@gov.ai	Larry Franklin Permanent Secretary MICUH Coronation Avenue PO Box 60 The Valley, Anguilla British West Indies Phone 264-497-2651 Fax 264-497-3651 larryf@gov.ai	
Antigua and Barbuda	Hon. Dr. Edmund Mansoor Minister of Telecommunications, Information and Broadcasting St. John's Street St. John's Antigua, West Indies Phone 268-462-4772 Fax 268-562-2750		
Bahamas	Hon. Zhizargo Laing Minister of State Ministry of Finance Cecil Wallace-Whitfield Center P O Box N-3017 Nassau, Bahamas Phone 242-327-1530 Fax 242-327-1618 zlaing@bahamas.gov.bs	Mr. Barrett A. Russell Executive Director Public Utilities Commission Fourth Terrace, East, Collins Ave. P.O. Box N-4860 Nassau, Bahamas Phone 242-322-4437 Fax 242-323-7288 BRussell@PUCBahamas.gov.bs	Leonard S. Adderley Senior Telecommunications Engineer Public Utilities Commission Fourth Terrace, East, Collins Ave. P. O. Box N-4860 Nassau, Bahamas Phone: 242-322-4437 Fax 242-323-7288 ladderley@PUCBahamas.gov.bs
Barbados	Hon. H. Elizabeth Thompson Ministry of Energy and Environment 1st Floor, Musson Building Hincks Street Bridgestone, Barbados Phone 246-467-5710		
Bermuda	William G. Francis Acting Permanent Secretary Ministry of Energy, Telecommunications & E-Commerce P.O. Box HM101, HMAX Hamilton, Bermuda Phone 441-297-7931 Fax 441-295-1462 wgfrancis@gov.bm	Hiram Edwards Acting Director of Telecommunications P.O. Box HM101, HMAX Hamilton, Bermuda Phone 441-298-7444 Fax 441-295-1462 hedwards@gov.bm	
British Virgin Islands	Hon. Julian Fraser, R.A. Minister of Communications and Works 33 Admin Drive Wickhams Cay I Road Town, Tortola British Virgin Islands Phone 284-468-3701 x2183 Fax 284-494-3873		
Canada	Robert A. Morin Secretary General Canadian Radio-television and Telecommunications Commission One Promenade du Portage Ottawa, Ontario Canada K1A 0N2 Phone 819-953-3991 Fax 819-953-0589	Bill Mason Manager Numbering Administration Canadian Radio-television and Telecommunications Commission Les Terrasses de la Chaudière Central Building 1 Promenade du Portage Gatineau, Quebec J8X 4B1 (by mail to: Ottawa, ON, Canada K1A 0N2) Phone 819 953 8882 bill.mason@crtc.gc.ca	Glenn Pilley Director Canadian Numbering Administrator SAIC Canada 1516-60 Queen Street Ottawa, Ontario Canada K1P 5Y7 Phone 613-683-3289 Fax 613-563-9293 pilleyg@saiccanada.com

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Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Cayman Islands	David Laliberte General Counsel and Head of Licensing & Compliance Information and Communications Technology Authority P.0. Box 2502 GT George Town Grand Cayman Cayman Islands Tel: 345-946-4282 Fax: 345-945-8284 David.Laliberte@icta.ky		
Dominica	Hon. Reginald V. Austrie Minister for Housing, Lands, Telecommunications and Works Government Headquarters Roseau, Commonwealth of Dominica Phone 767-448-2401 Fax 767-448-0059	Sylvester Vital Executive Director National Telecommunications Regulatory Commission 42-2 Kennedy Avenue Roseau, Commonwealth of Dominica Phone 767-440-0627 Fax 767-440-0835	Sylvester Vital Executive Director National Telecommunications Regulatory Commission 42-2 Kennedy Avenue Roseau, Commonwealth of Dominica Phone 767-440-0627 Fax 767-440-0835
Dominican Republic	Jose Rafael Vargas Secretary of State President Santo Domingo Dominican Republic Phone 809-378-6032 Fax 809-732-3877 jvargas@indotel.org.do	Rafael Fernandez Manager Concessions and Licenses Department Phone 809-473-8503 Fax 809-732-7189 rfernandez@indotel.org.do	Jose Perez Engineer Concessions and Licenses Department Phone 809-473-8504 jperez@indotel.org.do
Grenada	The Honorable Joseph Gilbert Chairman, Minister of Works, Physical Planning, Publich Utilities and Environment Ministerial Complex, Botanical Gardens Tanteen, St. Georg's, Grenada mowminsec.@gov.gd	Dwight Horsford Acting Coordinator of Telecommunications National Telecommunications Regulatory Commission P.O. Box 854 St. George's, Grenada Phone 473-435-6872 Fax 473-435-2132 gntrc@caribsurf.com	Dwight Horsford Acting Coordinator of Telecommunications National Telecommunications Regulatory Commission P.O. Box 854 St. George's, Grenada Phone 473-435-6872 Fax 473-435-2132 gntrc@caribsurf.com
Jamaica	Patrick Williams Chief, Telecommunications Markets Office of Utilities Regulations 36 Trafalgar Road Kingston 10, Jamaica Phone 876-968-6111 Fax 876-929-3645 pwilliams@our.org.jm	Curtis Robinson Chief, Numbering Administration and Technical Support Office of Utilities Regulations 36 Trafalgar Road Kingston 10, Jamaica Phone 876-929-6672 Fax 876-929-3645 crobinson@our.org.jm	Curtis Robinson Chief, Numbering Administration and Technical Support Office of Utilities Regulations 36 Trafalgar Road Kingston 10, Jamaica Phone 876-929-6672 Fax 876-929-3645 crobinson@our.org.jm
Montserrat	Phillip Chambers Permanent Secretary Ministry of Communications and Works P.O. Box 344 Woodlands, Montserrat West Indies Phone 664-491-2521/2522 Fax 664-491-6659 mcw@gov.ms		
St. Kitts and Nevis	Hon. Dr. Earl Asim Martin Minister of Public Works, Utilities, Tranports and Posts Saint Kitts and Nevis Phone 869-466-7032 Fax 869-465-5501		

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Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
St. Lucia	Hon. Guy Joseph Ministry of Communications, Works, Transport and Public Utilities Union, St. Lucia West Indies Phone 758-468-4300 Fax 758-468-6380	Michael Flood Public Utilities Officer Ministry of Communications, Works, Transport and Public Utilities Union, St. Lucia West Indies Phone 758-468-4300 Fax 758-468-6380	Alexis Sevier Coordinator National Telecommunications Regulatory Commission P.O. Box GM690 Castries, St. Lucia West Indies Phone 758-458-2035 Fax 758-453-2558
St. Vincent and the Grenadines	Apollo Knights Secretary/Director NTRC KCCU Financial Center Granby Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 ntrc@ntrc.vc	Apollo Knights Secretary/Director NTRC KCCU Financial Center Granby Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 ntrc@ntrc.vc	Apollo Knights Secretary/Director NTRC KCCU Financial Center Granby Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 ntrc@ntrc.vc
Trinidad and Tobago	Minister Kennedy Swaratsingh Minister of Public Administration Level 7, National Library Building Corner of Hart and Abercromby Streets Port of Sprain Phone 868-625-6724 Fax 868-624-4216		
Turks and Caicos Islands	Hon. Jeffrey C. Hall Minister of Communications Work & Utilities Government Square Grand Turk, Turks and Caicos Islands British West Indies Phone 649-946-2801, Ext/40709 Fax 649-946-2885	John Williams Director General PO Box 203 Providenciales Turks & Caicos Islands Phone 649-946-1900 Fax 649-946-1119 johnwilliams@express.tc	John Williams Director General PO Box 203 Providenciales Turks & Caicos Islands Phone 649-946-1900 Fax 649-946-1119 johnwilliams@express.tc
United States	Dana R. Shaffer Chief, Wireline Competition Bureau Federal Communications Commission 445 12th St., SW Washington, DC 20554 Phone 202-418-1500 Fax 202-418-2825		Beth Sprague Regional Director NANPA Code Administration NeuStar, Inc. 46000 Center Oak Plaza Sterling, VA 20166 Phone 571-434-5513 Fax 571-434-5502 beth.sprague@neustar.biz

ATTACHMENT 10 — LIST OF ACRONYMS

ABEC – Alternate Billing Exchange Code

AOCN – Administrative Operating Company Number

ANI – Automatic Number Identification

ASR – Access Service Request

ATIS – Alliance for Telecommunications Industry Solutions

CIC – Carrier Identification Code

CLEC – Competitive Local Exchange Carrier

CO – Central Office

EFT – Electronic File Transfer

ESQK – Emergency Service Query Key

FCC – Federal Communication Commission

FG B – Feature Group B

FG D – Feature Group D

FRN – FCC Registration Number

FTP – File Transfer Protocol

ILEC – Incumbent Local Exchange Carrier

INC – Industry Numbering Committee

IPD – Initial Planning Document

MTE – Months-to-Exhaust

LEC – Local Exchange Carrier

NANC – North American Numbering Council

NANP – North American Numbering Plan

NANPA – North American Numbering Plan Administration

NAS – NANP Administration System

NNS – NANP Notification System

NOWG – Numbering Oversight Working Group

NPA – Numbering Plan Area

NRO – Number Resource Optimization

NRUF – Numbering Resource Utilization/Forecast

OCN – Operating Company Number

pANI – Pseudo Automated Number Identification

PCS – Personal Communications Service

TN – Telephone Number

VoIP – Voice over Internet Protocol

VSC – Vertical Service Code