

RBOC PAS NPA
TBCOCAG C/C FTP CO Code
RA LRN WIRE IPD PL NNS
CLEC

NANPA

North American Numbering Plan Administrator

2023 Annual Report

VXX P-ANI ILEC NRUF
MSA IPES NAS ULEC CFR
LATA OCN PSTN
NANP RNAS

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ACRONYMS IN THIS REPORT

ACRONYM	DESCRIPTION
ANI II	Automatic Number Identification Information Integers digits
AOCN	Administrative Operating Company Number. The term "AOCN" also refers to the company that updates rating and routing information associated with central office code assignments.
ATIS	Alliance for Telecommunications Industry Solutions (www.atis.org)
AWS	Amazon Web Services
CNA	Canadian Numbering Administrator
CDRL	Contract Data Requirements List
CIC	Carrier Identification Code
CIGRR	Common Interest Group on Rating and Routing
CLEC	Competitive Local Exchange Carrier
CMRS	Commercial Mobile Radio Service
CO Code	Central Office Code, NXX, prefix, or exchange
CRTC	Canadian Radio-television and Telecommunications Commission
FCC	Federal Communications Commission
FG B,D	Feature Group B, D
FNPA	Foreign NPA
FTP	File Transfer Protocol
HNPA	Home NPA
ILEC	Incumbent Local Exchange Carrier
INC	ATIS Industry Numbering Committee
IPD	Initial Planning Document
iVoIP	Interconnected Voice Over Internet Protocol
LATA	Local Access and Transport Area
LRN	Location Routing Number
MSA	Metropolitan Statistical Area
NANC	North American Numbering Council
NANP	North American Numbering Plan
NANPA	North American Numbering Plan Administrator
NAOWG	Number Administration Oversight Working Group, a NANC Working Group
NARUC	National Association of Regulatory Utility Commissions
NAS	NANP Administration System
NGIIF	Next Generation Interconnection Interoperability Forum
NNS	NANP Notification System
NPA	Numbering Plan Area (Area Code)
NPIF	Number Portability Industry Forum
NRUF	Numbering Resource/Utilization Forecast

NXX	A central office code (N=2-9, X=0-9)
OCN	Operating Company Number
OMB	Office of Management and Budget
PA	Pooling Administrator
PAS	Pooling Administration System
p-ANI	Pseudo-Automatic Number Identifier
PL	Planning Letter
POTS	Plain Old Telephone Service
PSTN	Public Switched Telephone Network
RA	Resource Administrator
RBOC	Regional Bell Operating Company
RNA	Routing Number Administrator (aka p-ANI Administrator)
RNAS	Routing Numbering Administration System
RND	Reassigned Numbers Database
TBCOCAG	<i>Thousands-Block (NPA-NXX- X) & Central Office Code (NPA-NXX) Administration Guidelines</i>
TMOC	Telecom Management and Operations Committee
TRD	Technical Requirements Document
TRS	Telecommunications Relay Service
ULEC	Unbundled Local Exchange Carrier
U.S.	United States
VSC	Vertical Service Code

1 DESCRIPTION OF THE NORTH AMERICAN NUMBERING PLAN AND THE NORTH AMERICAN NUMBERING PLAN ADMINISTRATOR

1.1 NANP History

The North American Numbering Plan (NANP) was developed by AT&T 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 consisting of a three-digit central office code (often referred to as a CO code, NXX, prefix, or exchange) and a four-digit line number.

The NANP is an integrated numbering plan serving 20 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.

1.2 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 NANP. In December 1999, the North American Numbering Plan Administrator (NANPA) transitioned from Lockheed Martin to Neustar. Neustar continued to serve as the NANPA through 2018 as a result of two competitive bidding processes.

Thousands-block number pooling, which permits service providers to request their numbers in blocks of one-thousand rather than through use of an entire CO code, was first implemented as a trial in the Illinois 847 NPA in June 1998. The process was backed by the FCC in its Memorandum Opinion and Order on Reconsideration, CC Docket No. 96-98, FCC 98-224, known as “the Pennsylvania Order.” In the Pennsylvania Order, the FCC granted limited authority to continue the Illinois pooling trial and encouraged other states to seek delegated authority to implement other pooling trials. Shortly thereafter, New York implemented a pooling trial in the 212 NPA.

The FCC established the framework for national thousands-block number pooling through a series of number resource optimization orders between 2000 and 2003.¹ By the beginning

¹ Report and Order and Further Notice of Proposed Rulemaking, CC Docket No. 99-200, FCC 00-104, March 31, 2000; Second Report and Order, Order on Reconsideration in CC Docket No. 96-98 and CC Docket No. 99-200, and Second Further Notice of Proposed Rulemaking in CC Docket No. 99-200, December 29, 2000; Third Report and Order and Second Order on Reconsideration in CC Docket No. 96-98 and CC Docket No. 99-200, December 28, 2001; Fourth

of national pooling in March 2002, the Pooling Administrator (PA) was managing 22 state pooling trials in 83 NPAs. The FCC added the Routing Number/Pseudo-Automatic Number Identification Administrator (RNA/p-ANI) functions to the pooling contract in 2007.

The FCC awarded the national pooling and RNA/p-ANI contract to Neustar that served in that capacity through December 31, 2018. On October 5, 2018, the FCC awarded a one-year bridge contract (No. 273FCC19C0002) for NANPA, PA and RNA/p-ANI Administrator services, to Somos, Inc. The NANPA, PA and RNA/p-ANI Administrator transitioned the NANP Administration System (NAS), Pooling Administration System (PAS), and Routing Number Administration System (RNAS), as well as personnel from both organizations, seamlessly to Somos, maintaining continuity of service. The bridge contract expired on October 31, 2019. On November 1, 2019, the FCC extended the bridge contract for 6-months with two additional 3-month options. The FCC exercised a total of three extensions and the bridge contract expired on November 30, 2020.

On December 1, 2020, through a competitive bidding process, the FCC awarded to SomosGov, Inc. (a wholly-owned subsidiary of Somos, Inc.), contract (No. 273FCC21C0003) which combined the NANPA, PA, and RNA/p-ANI Administrator into a single organization known as NANPA. That contract also includes the newly created Reassigned Numbers Database (RND) organization. This contract is for a base period of five-years with three additional one-year options.

Regulatory authorities in various NANP countries have named national administrators to oversee the numbering resources assigned by NANPA for use within their countries. The NANPA is the national administrator for the United States (U.S.) and its territories (Puerto Rico, American Samoa, Guam, Commonwealth of Northern Mariana Islands, and U.S. Virgin Islands). The Canadian Numbering Administrator (CNA) is responsible for administration of telephone numbers and other telecommunications codes in Canada. In other participating countries, regulatory authorities either serve as the national administrator or delegate the responsibility to the dominant carrier.

1.3 NANPA Neutrality

In accordance with FCC regulations², the NANPA is 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.

1.4 Description of the NANPA

Report and Order in CC Docket No. 99-200 and CC Docket No. 95-116, and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 99-200, June 18, 2003.

² 47 C.F.R. § 52.12

NANPA is not a policy-making entity. In reaching number resource assignment decisions, NANPA follows regulatory directives and Industry-developed guidelines³. The FCC and NANC provide continuous oversight of NANPA and evaluates NANPA's performance each year.

NANPA has three core responsibilities: administration of NANP resource; coordination of area code relief activities; and collection of utilization and forecast data from service providers. Some functions of the NANPA include:

- Managing geographic and non-geographic resource administration, including:
 - Receiving and processing applications for CO code and thousands-block assignments
 - Reclaiming CO codes and thousands-blocks that are not placed into service
 - Updating information associated with assigned CO codes and thousands-blocks and keeping the industry informed as the supply of available CO codes approach exhaust
 - Other Resource Administration including 5XX-NXX, 900-NXX, N11, Carrier Identification Codes (CICs), ANI II (Automatic Number Identification Information Integers digits), and Vertical Service Codes (VSCs)

- NPA relief planning, including:
 - Initiating NPA relief planning within 36 months of forecasted exhaust, when possible, and developing an Industry consensus recommended relief plan for introducing a new NPA (aka area code)
 - Filing proposed relief plans on behalf of the Industry with appropriate state regulatory authorities for their review and approval
 - Initiating the first meeting of the Industry to begin implementation of the approved NPA relief plan
 - Monitoring CO code assignments and its impact on area code exhaust between NRUF cycles, releasing updated exhaust projections (aka "Delta NRUFs") or declaring a jeopardy condition to preserve enough CO code inventory to last until NPA relief can be implemented
 - Working with state regulators on an ongoing basis before, during and after NPA relief

- Numbering Resource Utilization/Forecast (NRUF) Report processing, including:
 - Handling the semi-annual reporting of utilization and forecast data by all service providers during the reporting cycles of February 1 (for period ending on December 31) and August 1 (for period ending on June 30)
 - Processing NRUF Form 502 submissions and responding with confirmation or error notifications (sent within 7 calendar days of submission)

³ All references to Industry guidelines can be located at the Alliance for Telecommunications Industry Solutions (ATIS) website at <https://access.atis.org/higherlogic/ws/public/documents?view=> .

- Sending missing utilization notifications to service providers that submitted an NRUF but failed to report utilization on all assigned numbering resources
- Sending anomalous notifications to service providers who have numbering resources assigned and have not filed an NRUF for the current reporting cycle
- Managing p-ANI/Routing Number resource administration, including:
 - Managing and assigning non-dialable p-ANIs, which are used to support the routing of wireless and VoIP 9-1-1 calls, from the 211 and 511 NXXs
 - Performing the day-to-day p-ANI assignment and administrative activities with a long-term focus
 - Providing processes for a standardized application of all administrative p-ANI guidelines
 - Maintaining and planning for adequate p-ANI inventory

For questions about NANPA functions or the contents of the *2023 NANPA Annual Report*, please contact Florence Weber, Vice President-NANPA, by email at fweber@nanpa.com or by phone at 925-420-0340.

2 NANPA 2023 PERFORMANCE HIGHLIGHTS

2.1 OVERALL 2023 NANPA PERFORMANCE SUMMARY:

The NANPA continued to provide outstanding contract performance for the reporting period for the year.⁴

2.1.1 NUMBERING RESOURCES (GEOGRAPHIC) PERFORMANCE MEASUREMENTS:

Following are highlights of 2023 geographic resources processing. For further details, see Section 4.

2023 GEOGRAPHIC RESOURCE PROCESSING AT-A-GLANCE
Processed 100% of all resource applications within 7 calendar days
Assigned 4,867 CO codes
Issued 18,805 CO code applications (Part 3s)
Of the 18,805 Part 3s processed, 82%, or 15,333 CO code applications, were passed through to NAS from PAS
Assigned 63,266 thousands-blocks
Issued 212,976 thousands-block (Part 3A) applications
Met 100% of geographic resource processing measurements
Assigned 4,046 CO codes for pool replenishment
Concluded or rescinded all jeopardy procedures

2.1.1.1 CO Code Information:

Table 2-1
2023 CO Code Performance Measurements

PERFORMANCE MEASUREMENTS	TOTAL
Quantity of applications (Part 3s) processed	18,805
Quantity of applications not processed in 7 calendar days	0
Quantity of CO codes assignments made	4,867
Quantity of change requests to CO codes	11,882
Quantity of CO codes returned	502
Quantity of new CO codes on reclamation list	81
Total Quantity of CO codes on reclamation list	479
Quantity of CO codes reclaimed	0
Quantity of CO code reservation requests	0

⁴ Details in the summaries contained herein and reported to the NAOWG on a monthly basis

PERFORMANCE MEASUREMENTS	TOTAL
Quantity of CO code requests suspended	582
Quantity of CO code requests withdrawn	83
Quantity of CO code requests denied	889

2.1.1.2 THOUSANDS-BLOCK POOLING INFORMATION:

**Table 2-2
2023 Thousands-Block Performance Measurements**

PERFORMANCE MEASUREMENTS	TOTAL
Quantity of applications (Part 3As) processed	212,976
Quantity of applications not processed in 7 calendar days	0
Quantity of thousands-block assignments made	63,266
Quantity of change requests to existing thousands-blocks	92,244
Quantity of requests to cancel or withdraw	1,267
Quantity of thousands-block disconnect requests	18,242
Quantity of thousands-block cancel disconnect requests	39
Quantity of thousands-block requests denied	7,024
Quantity of thousands-block requests suspended	30,894
Quantity of thousand-block reservation requests	0
Quantity of thousand-blocks reclaimed	1
Quantity of new blocks on reclamation list	1,449
Total Quantity of blocks on reclamation list	5,603
Quantity of rate center status changes	130
Quantity of RCs with < 6 months inventory based on forecast	16,380
Quantity of RCs < 6 months inventory based on forecast and zero blocks	6,461
Quantity of RCs with blocks in pending status	7,806
Quantity of codes opened for pool replenishment	4,046

2.1.1.3 MANAGING JEOPARDY NPAS:

For more detailed information, see Section 4.3.5.

**Table 2-3
Jeopardy NPAs in 2023**

JEOPARDY	
Number of NPAs in Jeopardy as of January 1, 2023	6
Number of NPAs declared to be in Jeopardy in 2023	0
Number of Jeopardies Concluded or Rescinded in 2023	6
Number of NPAs in Jeopardy as of December 31, 2023	0

2.1.1.4 P-ANI INFORMATION:

NANPA met 100% of p-ANI performance measurements. For further details on p-ANI performance, see Section 7.

**Table 2-4
2023 p-ANI Resources Performance Measurements**

PERFORMANCE MEASUREMENTS	TOTAL
Quantity of applications processed	11,479
Quantity of approved applications processed	11,466
Quantity of suspended applications processed	0
Quantity of withdrawn applications processed	11
Quantity of denied applications processed	2
Quantity of applications not processed within 5 business days	0
Percentage of applications not processed within 5 business days	0
Quantity of p-ANIs requested	35,934
Quantity of p-ANIs assigned	35,888
Quantity of change requests	27
Quantity of p-ANIs returned	9,718
Quantity of requests to cancel	0

2.1.2 NUMBERING RESOURCES (NON-GEOGRAPHIC) PERFORMANCE MEASUREMENTS:

NANPA met 100% of Non-Geographic processing performance measurements. For further details on non-geographic resource performance, see Section 6.

**Table 2-5
2023 Non-Geographic Resources Performance Measurements**

PERFORMANCE MEASUREMENTS	TOTAL
Percentage of CIC applications processed within 10 business days	100%
Percentage of 5XX applications processed within 14 calendar days	100%
Percentage of 900 applications processed within 10 business days	100%
Percentage of VSC applications processed within 10 business days	N/A
Assignments	
CICs	4
5XX	969
900	1
VSC	0

PERFORMANCE MEASUREMENTS	TOTAL
Changes	
CICs	275
5XX	185
900	0
VSC	0
Denials	
CICs	25
5XX	17
900	0
VSC	0
Reclamations - Returns	
CICs	126
5XX	1,008
900	0
VSC	0
Withdrawn	
CICs	19
5XX	1
900	0
VSC	0
Total Processed	2,630

2.1.3 NRUF PERFORMANCE MEASUREMENTS:

NANPA met 100% of NRUF performance measurements in 2023. For further details on NRUF performance, see Section 8.

**Table 2-6
2023 NRUF Quantitative Measurements**

QUANTITATIVE MEASUREMENTS	TOTAL
Form 502 Email Submissions	5,966
Form 502 FTP Submissions	1,857
Form 502 Web Submissions	3,936
Error Notifications Sent	1,168
Missing Utilization Notifications Sent	587
Anomalous Notifications Sent	580
Confirmation Notifications Sent	6,637
State Reports Sent	27

**Table 2-7
2023 NRUF Performance Measurements**

PERFORMANCE MEASUREMENTS	TOTAL
Percentage of Form 502 Processed w/in 7 days	100%
Number of Form 502 Processed after 7 days	0
Percentage of Missing Utilization Sent w/in 45 days	100%
Number of Missing Utilization Not Sent w/in 45 days	0
Percentage of Anomalous Notifications Sent w/in 90 days	100%
Number of Anomalous Notifications Not Sent w/in 90 days	0

2.1.4 NPA RELIEF PLANNING PERFORMANCE MEASUREMENTS:

NANPA met 100% of NPA relief performance measurements. For further details on NPA Relief performance, see Section 9.

**Table 2-8
2023 NPA Relief Planning Performance Measurements**

PERFORMANCE MEASUREMENTS	EVENTS	%MET
1. Initiate relief 36 mo. prior to exhaust or max 8 weeks after new forecast if < 36 mos.	5	100%
2. 3-week initial meeting notification	4	100%
3. 4-week IPD distribution prior to meeting	2	100%
4. 2-week distribution of meeting minutes	19	100%
5. Minutes review 3-weeks after meeting	2	100%
6. 6-week filing of industry relief plan	6	100%
7. NPA assignment request 1 week after regulatory approval	8	100%
8. Issue press release within 2 weeks after NPA assignment	0	N/A
9. Hold initial implementation meeting within 45 calendar days after NPA assignment	9	100%
10. Post PL on website 3 weeks after the initial implementation meeting	10	100%
11. Post PL or notice of industry meeting on website 10 business days after date of regulatory changes to previously issued PL for NPA relief	0	N/A
12. Hold jeopardy meeting no later than 3 weeks after jeopardy declaration	0	N/A
13. Distribute meeting minutes within 15 business days of jeopardy meeting.	0	N/A
14. Distribute IPD 4 weeks after date jeopardy was declared, if relief planning has not been initiated	0	N/A
15. Hold industry relief planning meeting 8 weeks after date jeopardy was declared, if relief planning has not been initiated	0	N/A

PERFORMANCE MEASUREMENTS	EVENTS	%MET
Totals	65	100%
Average days PMs missed	0	0

2.2 SUMMARY STATUS OF NPA CODES

Table 2-9 is an abridged summary of the status of NPA Codes as of December 31, 2023. For further information, see Section 3.1.

**Table 2-9
Summary of NPA Code Status as of December 31, 2023**

Possible Combinations	800
NPAs not Available for Assignment	11
Assignable NPAs	789
Currently Assigned	481
In Service	461
Currently Unassigned	308
ERCs	50

2.3 OTHER PERFORMANCE MEASUREMENTS (TRD Sections 11.11, 11.12, 13.3.1, 13.3.2 and 13.3.3):

2.3.1 SYSTEMS PERFORMANCE MEASUREMENTS:

NAS, PAS and RNAS met systems performance measurements. For further details on systems performance, see Section 10.

**Table 2-10
2023 Systems Performance Measurements**

SYSTEMS	2023 SCHEDULED AVAILABILITY AVERAGE
Percentage NAS uptime	100%
Percentage PAS uptime	100%
Percentage RNAS uptime	100%

**Table 2-11
2023 Systems Maintenance**

SYSTEM	MAINTENANCE DATES	TOTAL 2023 SCHEDULED DOWNTIME
NAS	March 9, July 13, November 16	One hour, 15 minutes
PAS	March 9, July 13, November 16	45 Minutes
RNAS	June 22, November 16	None

2.3.2 TROUBLE TICKETS:

- Opened and closed one PAS trouble ticket. See Section 10.4 for further details

2.3.3 COMMUNICATIONS:

- Total Phone Calls: 764
- Help Desk Calls: 1,175
- Total: 1,939

2.3.4 CHANGE ORDERS:

- NANPA did not submit any NAS, PAS, or RNAS Change Order Proposals in 2023
- NANPA implemented NAS Change Order IA-1 on September 15, 2022. For further details, see Section 10.1.4 of this report

2.3.5 AD HOC REPORTS:

- NANPA provided 109 Ad Hoc Reports
 - 7 FCC reports
 - 43 service provider reports
 - 27 state reports
 - 32 other reports

2.3.6 NPA RELIEF PLANNING:

2023 NPA RELIEF PLANNING AT-A-GLANCE
Managed a total of 32 active NPA relief projects
Initiated five NPA relief projects
Assigned 12 new geographic NPAs and two non-geographic NPAs
Completed implementation for 16 NPAs
Made 14 regulatory filings
Published 11 Planning Letters (PLs)
Attended 138 Industry NPA relief committee meetings
Posted the new NPA and NANP exhaust projections to the website on April 12 and October 17.

2.3.6.1 NPA RELIEF PLANNING HIGHLIGHTS:

- Managed 32 active relief projects
- There were five NPA relief projects initiated, two NPA relief projects with filings pending at the state, and 29 relief projects in the implementation process

- Implemented 13 new overlay NPAs
- Completed 14 regulatory submissions, 5 of which were petitions, applications, or notifications of the need for relief
- Facilitated a total of 18 Industry meetings, via a web meeting
- Published 11 PLs
- Attended 138 Industry NPA relief committee meetings, providing status updates as appropriate
- Provided informational slides and scripts for state commission NPA relief meetings webcasts
- Attended state commission hearings and public meetings
- Introduced social media postings to announce permissive and mandatory dialing and the relief NPA in-service date

2.3.6.2 EXHAUST PROJECTIONS:

2.3.6.2.1 NPA and NANP Exhaust Projections:

- NANPA completed two cycles of review for the 2023 NPA and NANP exhaust projections in April and October.
- Upon approval by the FCC, the new NPA and NANP exhaust projections were posted to the NANPA website on April 12 and October 17

2.3.6.2.2 Delta NRUF NPA Exhaust Projections:

- NANPA issued Delta NRUF projected NPA exhaust projections three times for a total of five NPAs

2.4 REGULATORY:

Provided 11 state-specific numbering educational presentations, conducting virtual meetings to review the information with regulatory staff when requested

2.5 INDUSTRY SUPPORT:

- Participated in 193 Industry meetings either in-person or by conference call.
 - Industry Numbering Committee (INC):
 - Submitted 22 new issues and 42 new contributions at INC
 - Common Interest Group on Rating and Routing (CIGRR):
 - Submitted three new issues at CIGRR
- Attended meetings of the North American Numbering Council (NANC), Next Generation Interconnection Interoperability Forum (NGIIF), Number Portability Industry Forum (NPIF), and Telecom Management and Operations Committee (TMOC) as well as NPA Relief Industry committee meetings
- Made a total of 130 changes to rate center information in 56 distinct NPAs and 25 states
- Met monthly with the Number Administration Oversight Working Group (NAOWG):
 - Noted a total of 137 significant NANPA customer focus items
 - Provided ad hoc reports as requested
 - Added charts and graphs to the monthly report

- Assisted service providers and state regulators with finding and completing CO codes transfers for LRN codes:
 - Of the 201 requests to seek a possible transfer of CO codes, NANPA is aware of approximately 83 CO codes that were saved from being assigned
- Continued sending NANPA Tips-of-the-Quarter
- Received no formal complaints relating to NANPA

2.6 REPORTING:

- Produced a total of 870 reports for the FCC, state regulators, the North American Numbering Council (NANC), North American Numbering Plan Administration (NANPA), service providers, and other.
- Submitted all 148 required Contract Data Requirements List (CDRL) and Technical Requirements Document (TRD) reports on time and if required, posted it to the website.
 - Of the 148 CDRL and TRD reports, 109 were ad hoc reports that were produced within three business days of NANPA receiving the request.

2.7 OTHER NANPA PERFORMANCE ACTIVITIES:

2.7.1 RECLAMATION:

2.7.1.1 CO Codes:

- There was a total of 479 CO codes on the reclamation list, with 81 of those being new
- NANPA reclaimed no CO codes

2.7.1.2 Thousands-Blocks:

- There was a total of 5,603 thousands-blocks on the reclamation list, with 1,449 being new
- NANPA reclaimed one thousands-block

2.7.2 SUPPORT FOR INTERCONNECTED VOIP PROVIDERS:

- Continued to support the authorized interconnected VoIP (iVoIP) providers
- Continued daily monitoring of the FCC website for any new iVoIP applications, docket filings, public notices, or orders
- Continued to notify the states whenever there is a filing, notice, order and LRN or multiple code requests
- Continued responding to iVoIP providers and state regulatory staff inquiries on application processing requirements, proper supporting documentation, 30-day notification letters and adherence to state-specific requirements

2.7.3 SEEKING VOLUNTARY DISCONNECTS (INITIATED BY NANPA):

- NANPA attempted to secure voluntary thousands-block disconnects for 71 rate centers that were changed from Excluded to an Optional status and was able to obtain disconnects for 17 of those rate centers which potentially saved 17 CO codes from being opened

2.7.4 SEEKING VOLUNTARY DISCONNECTS (INITIATED BY SERVICE PROVIDERS):

- NANPA was asked by the service providers to seek voluntary thousands-block disconnects to prevent a CO code from being opened when there were not enough blocks in the pool for 82 Optional pooling rate centers and received disconnects for 52 of the rate centers which potentially saved 52 CO codes from being opened

2.7.5 ABANDONED CODES/THOUSANDS-BLOCKS (INITIATED BY NANPA):

There were six companies identified in 20 states with abandoned CO codes and/or thousands-blocks.

2.7.5.1.CO CODES:

- 571 were transferred to new code holders
- None were disconnected and made available

2.7.5.2 THOUSANDS-BLOCKS:

- 4,386 were transferred to a new thousands-block holder
- 29 were disconnected and made available

3 DESCRIPTION AND STATUS OF NUMBERING PLAN AREAS (NPAs)

3.1 RESOURCE REPORT—NUMBERING PLAN AREAS (NPAS)

NPAs, also known as “area codes,” are the first three digits of the 10-digit telephone number. NPAs are in NXX format, where N is any digit from 2 through 9 and X is any digit from 0 through 9.

Most NPAs designate specific geographic areas; for example, the 406 NPA serves the entire state of Montana while the 319 NPA covers a portion of the state of Iowa. NPAs used in this manner are called geographic NPA codes. Attachments 1 and 2 comprise tables of geographic NPA codes currently in use, overlay complex and local dialing plan, sorted by location and NPA.

Other NPAs designate special services such as toll-free calling rather than geographic areas and are known as non-geographic NPA codes. Information relating to Non-Geographic Resources can be found in Section 6. Attachment 3 lists the non-geographic NPAs currently in service.

Introduction of a new geographic NPA follows a specific plan and schedule approved by regulatory authorities. The plan is summarized in one or more *Planning Letters* available on the NANPA website. Once an NPA is assigned for a geographic area, an implementation period follows. The most visible implementation activities include preparing the network to accept the new NPA, introducing any required changes to the dialing plan, and informing the public about the new NPA. The new NPA is considered to be “in service” when it becomes dialable.

As shown in Table 3-1, there were 433 geographic NPA codes in service as of December 31, 2023. Of these, 360 serve the U.S. and its territories, 52 serve Canada, and the remaining 21 serve Bermuda and the Caribbean countries participating in the NANP.

**Table 3-1
Status of NPA Codes as of December 31, 2023**

POSSIBLE COMBINATIONS	800
NPAs not Available for Assignment ⁵	11
Assignables NPAs	789
Currently Assigned	481
In Service	461
Geographic	433
Non-Geographic ⁶	28

⁵ 11 NPAs not available for assignment: 8 (N11 codes), 2 (555 and 950) and 1 (988).

⁶ In-service non-geographic NPAs include 500, 521, 522, 523, 524, 525, 526, 527, 528, 529, 533, 544, 566, 577, 588, 600, 622, 633, 700, 710, 800, 833, 844, 855, 866, 877, 888, and 900.

POSSIBLE COMBINATIONS		800
Awaiting Implementation ⁷		20
Currently Unassigned		308
General Purpose		258
Reserved ⁸		214
Available ⁹		44
ERCs		50
Reserved ¹⁰		14
Available		36

3.1.1 2023 NPA ACTIVITIES

Table 3-2 below depicts the 16 new NPAs put into service in 2023. This is a decrease from the 19 in 2022. Of these, 13 are geographic NPA overlays in the U.S., two are geographic NPA overlays in Canada, and one is as non-geographic NPA in Canada.

**Table 3-2
NPAs Introduced in 2023**

NPA	IN-SERVICE DATE	LOCATION	PARENT NPA	PL NUMBER	NPA OVERLAY COMPLEX
363	January 20	NEW YORK	516	581	363/516
369	February 1	CALIFORNIA	707	599	369/707
861	February 24	ILLINOIS	309	577	309/861
728	March 10	FLORIDA	561	582	561/728
329	March 24	NEW YORK	845	591	329/845
283	April 28	OHIO	513	579	283/513
428	April 29	CANADA, NEW BRUNSWICK	506	600	428/506
274	May 5	WISCONSIN	920	593	274/920
633	May 15	CANADA, NON-GEOGRAPHIC	N/A	611	N/A
227	June 14	MARYLAND	240/301	603	227/240/301
382	June 17	CANADA, ONTARIO	226/519/548	583	226/382/519/548
730	July 7	ILLINOIS	618	595	618/730
645	August 4	FLORIDA	305/786	588	305/645/786
353	September 15	WISCONSIN	608	605	353/608

⁷ NPA awaiting implementation is one toll-free NPA (822) and one non-geographic NPA (532). Remaining NPAs are geographic NPAs.

⁸ 17 reserved 5XX resources included in General Purpose (538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546, and 558).

⁹ NANPA shall submit an issue to INC when the available GPC level reaches 20 NPAs.

¹⁰ Reserved ERCs include four Canadian NPAs (644, 655, 677 and 688).

NPA	IN-SERVICE DATE	LOCATION	PARENT NPA	PL NUMBER	NPA OVERLAY COMPLEX
975	October 13	MISSOURI	816	597	816/975
624	November 16	NEW YORK	716	607	624/716

As shown in the Table 3-3, there were 12 new NPAs assigned in the U.S. and Canada in 2023, two of which were non-geographic:

**Table 3-3
NPAs Assigned in 2023**

NPA	ASSIGNMENT DATE	LOCATION	OVERLAY?	PARENT NPA	PLANNING LETTER NUMBER	NPA OVERLAY COMPLEX
738	March 16	CALIFORNIA	Yes	213/323	614	213/323/738
633	April 10	CANADA, NON-GEOGRAPHIC	N/A	N/A	611	N/A
924	April 13	MINNESOTA	Yes	507	616	507/924
457	May 9	LOUISIANA	Yes	318	617	318/457
257	May 10	CANADA-BRITISH COLUMBIA	Yes	236/250/604/672/778	612	236/250/257/604/672/778
942	May 10	CANADA-ONTARIO	Yes	416/437/647	613	416/437/647/942
532	May 25	NON-GEOGRAPHIC	N/A	N/A	615	N/A
729	June 2	TENNESSEE	Yes	423	619	423/729
837	June 8	CALIFORNIA	Yes	530	621	530/837
621	October 13	TEXAS	Yes	281/346/713/832	623	281/346/621/713/832
748	December 18	COLORADO	Yes	970	TBD	748/970
357	December 19	CALIFORNIA	Yes	559	TBD	357/559

As of December 31, 2023, 19 previously assigned geographic and non-geographic NPAs remained to be introduced, as shown in Table 3-4. The “Relief Status” column provides the key to understanding the table. Most of the projects listed below are considered to be “Active,” which means the NPA is in a phase of NPA relief planning. A status of “Suspended” indicates that the regulatory authority has placed the NPA relief activity on hold until further notice.

**Table 3-4
NPAs planned but not yet introduced as of December 31, 2023**

NEW NPA	LOCATION	OLD NPA	OVERLAY?	IN-SERVICE DATE	PL NUMBER	RELIEF STATUS
235	MISSOURI	573	Yes	March 24, 2024	596	Active
257	CANADA, BRITISH COLUMBIA	236/250/604/672/778	Yes	May 24, 2025	612	Active

NEW NPA	LOCATION	OLD NPA	OVERLAY?	IN-SERVICE DATE	PL NUMBER	RELIEF STATUS
324	FLORIDA	904	Yes	February 26, 2024	598	Active
327	ARKANSAS	870	Yes	February 20, 2024	604	Active
357	CALIFORNIA	559	Yes	TBD	TBD	Active
436	OHIO	440	Yes	March 1, 2024	610	Active
457	LOUISIANA	318	Yes	September 25, 2025	617	Active
532	NON-GEOGRAPHIC	N/A	N/A	N/A	615	N/A
621	TEXAS	281/346/713 /832	Yes	January 23, 2025	623	Active
679	MICHIGAN	313	Yes	November 7, 2025	618	Active
686	VIRGINIA	804	Yes	February 1, 2024	608	Active
729	TENNESSEE	423	Yes	March 5, 2025	619	Active
738	CALIFORNIA	213/323	Yes	November 1, 2024	614	Active
748	COLORADO	970	Yes	TBD	TBD	Active
821	SOUTH CAROLINA	864	Yes	August 19, 2024	606	Active
837	CALIFORNIA	530	Yes	January 31, 2025	621	Active
879	CANADA, NEWFOUNDLAND AND LABRADOR	709	Yes	February 17, 2024	622	Active
924	MINNESOTA	507	Yes	August 30, 2024	616	Active
942	CANADA, ONTARIO	416/437/647	Yes	April 26, 2025	613	Active

As shown in Table 3-5, NANPA published 16 PLs compared to 21 in 2022 related to active NPA relief projects, as well as the assignment of non-geographic NPAs and relief NPAs for Canada.

**Table 3-5
Planning Letters Published in 2023**

PL NUMBER	DATE	STATE	DESCRIPTION
608	January 9	VIRGINIA	NPA 686 to overlay NPA 804
609	January 26	U.S. GOVERNMENT	NPA 710 Change to Dialing Plan
610	February 16	OHIO	NPA 436 to overlay NPA 440
611	April 10	NON-GEOGRAPHIC	Assignment of 633 NPA
612	May 11	CANADA-BRITISH COLUMBIA	NPA 257 to overlay NPA 236/250/604/672/778
613	May 11	CANADA-ONTARIO	NPA 942 to overlay NPA 416/437/647
614	May 16	CALIFORNIA	NPA 738 to overlay NPA 213/323
615	May 25	NON-GEOGRAPHIC	Assignment of the 532 NPA
616	June 12	MINNESOTA	NPA 924 to overlay NPA 507
617	June 23	LOUISIANA	NPA 457 to overlay NPA 318
618	July 13	MICHIGAN	NPA 679 to overlay NPA 313
619	July 24	TENNESSEE	NPA 729 to overlay NPA 423

PL NUMBER	DATE	STATE	DESCRIPTION
620	August 3	WASHINGTON	NPA 564 to overlay NPA 206
621	August 8	CALIFORNIA	NPA 837 to overlay NPA 530
622	September 15	CANADA-NEWFOUNDLAND AND LABRADOR	NPA 879 to overlay NPA 709
623	December 6	TEXAS	NPA 621 to overlay NPA 281/346/713/832

3.1.2 Overlays

In an overlay, two or more NPAs serve all or part of the same geographic area. The term “overlay complex” defines all of the NPAs included in the overlay. All of the overlays in service today are all-services distributed overlays; that is, numbers in the overlay NPA(s) are not restricted to any specific service or services. Overlays are the Industry-preferred form of NPA relief. A geographic split has not been recommended, approved, or implemented in the U.S. since 2007. The overlay complexes in service as of December 31, 2023, are listed in Attachments 1 and 2.

3.2 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 may vary from state to state and from NPA to NPA.

Key variables in determining a dialing pattern are:

- Whether or not the call originates and terminates within the same NPA (home NPA)
- Whether the call is a local or toll call
- Whether the call requires special handling (e.g., credit card, third-party billing, or operator assistance)

Dialing patterns in the U.S. have been largely standardized. Local calls originating and terminating within a single NPA are sometimes still dialed on a seven-digit basis, omitting the area code, except in overlay areas where the NPA must be dialed. Some states also permit individual service providers to use 1+10 digit dialing for local calls. Toll calls originating in one NPA and terminating in another NPA are usually dialed with a prefix “1” followed by the 10-digit number. Special handling calls are always dialed with a prefix “0” followed by the 10-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 10-digit number, and foreign NPA local calls are dialed using the 10-digit number without a prefix. In states where the prefix “1” is used to indicate that a 10-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 10-digit number.

Dialing patterns within an NPA may also 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, including across state lines.

Basic dialing plans for U.S. NPAs are listed in Attachment 4.

3.3 RESERVED NPAS

NANPA reserves certain NPAs for future use. Table 3-6 lists the currently reserved NPAs.

**Table 3-6
Reserved Geographic NPA Codes as of December 31, 2023**

221	359	427	535	595	698	851	953
230	362	429	536	596	699	852	957
232	370	439	537	597	735	871	960
237	371	449	538	598	739	875	961
238	372	451	542	599	741	880	962
245	373	453	543	625	745	881	963
247	374	459	545	627	746	882	964
258	375	460	546	632	749	883	965
259	376	461	547	634	750	884	966
261	377	462	549	642	752	885	967
265	378	465	550	644	756	886	968
271	379	471	552	652	761	887	969
273	381	476	553	655	764	889	981
278	384	481	554	663	768	890	982
280	387	483	556	665	776	891	987
286	389	485	558	673	789	892	990
287	390	486	560	676	790	893	991
290	391	487	565	677	791	894	992
291	392	489	568	685	792	895	993
292	393	490	569	687	793	896	994
293	394	491	576	688	794	897	995
294	395	492	578	690	795	898	996
295	396	493	583	691	796	899	997
296	397	494	589	692	797	921	998
297	398	495	590	693	798	923	999
298	399	496	591	694	799	926	
299	420	497	592	695	823	927	
328	421	498	593	696	824	935	
342	426	499	594	697	841	946	

4 DESCRIPTION AND STATUS OF GEOGRAPHIC RESOURCES ACTIVITY

Geographic Resources include CO codes, thousands-blocks, and p-ANI resources. This section focuses on activities relating to processing CO code and thousands-block applications for assignment, details associated with specific types of resource processing, reclamation of resources that are not placed into service, and other activities performed by NANPA. Details about Non-Geographic Resources activity can be found in Section 6 and Routing Number/p-ANI Administration activities can be found in Section 7.

NANPA uses two systems for processing applications, the NAS and PAS. During 2023, NANPA processed 100% of the third highest total of CO code applications (Part 3s) on record, 18,805, and the second highest total of thousands-block (Part 3A) applications on record, 212,976, within seven calendar days.

In addition to processing, as a routine part of their job performance, NANPA also:

- Responds to questions and requests for assistance from service providers
- Reviews documentation to verify eligibility for requested CO codes and thousands-blocks
- Interacts with state commission staff on issues relating to certification and answers numbering related questions
- Assists service providers with questions relating to using NAS and PAS
- Educates new users on the application process
- Searches for new code holders for non-pooled and pooled CO codes with assigned blocks and/or ported TNs
- Searches for new CO code and thousands-block holders for CO Codes and thousands-blocks being returned with greater than 10% contamination
- Works with the NPAC to ensure that thousands-block requests are handled in accordance with Industry guidelines.

4.1 STATUS OF CO CODE PRODUCTIVITY

NANPA administers all geographic CO codes in the U.S. and its territories utilizing the NAS and PAS. The CNA performs this function in Canada. In the remaining NANP countries, regulatory authorities play an active role in CO code administration.

CO codes are the three digits of the 10-digit telephone number that come after the NPA. The following information addresses CO codes within geographic NPAs.

Each CO code contains 10,000 numbers assigned for use within a rate center. Service providers apply for CO codes through NAS and PAS in order to:

- Request assignment of a CO code in a non-pooling rate center
- Request the assignment of a CO code for Location Routing Number (LRN) purposes
- Request a CO code to replenish the inventory pool

- Request a CO code to meet a service provider’s need for a dedicated customer¹¹ (10,000 consecutive telephone numbers for a single customer)

At the end of 2023, NANPA managed 189,794 assigned CO codes in the U.S. and its territories.

The process for applying for a CO code assignment based on FCC rules and Industry-developed guidelines is specified in the *Thousands-Block (NPA-NXX- X) & Central Office Code (NPA-NXX) Administration Guidelines* (TBCOCAG).

4.1.1 2023 CO CODE ACTIVITY

Monthly CO code application and assignment activities during 2023 are shown in Table 4-1.

**Table 4-1
2023 Monthly CO Code Activity**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Quantity of applications processed	814	1,379	2,023	1,398	1,336	1,022	939	2,545	1,225	3,277	1,147	1,700	18,805
Quantity of applications not processed in 7 calendar days	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity of CO codes assignments made	397	336	340	301	406	470	398	676	507	427	208	401	4,867
Quantity of change requests to CO codes	286	936	1,338	709	792	464	442	1,679	603	2,730	848	1,055	11,882
Quantity of CO codes returned	32	8	77	125	27	25	25	46	60	21	18	38	502
Quantity of new CO codes on reclamation list	2	3	2	29	7	6	14	3	5	7	3	0	81
Total Quantity of CO codes on reclamation list	41	40	34	55	53	52	57	48	37	25	22	15	479
Quantity of CO codes reclaimed	0	0	0	0	0	0	0	0	0	0	0	0	0

¹¹ Per Section 5.3.3(k) of the TBCOCAG, a customer letter is required as supporting documentation to accompany a dedicated CO code application.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Quantity of CO code reservation requests	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity of CO code requests suspended	37	21	126	157	21	24	32	51	13	32	18	50	582
Quantity of CO code requests withdrawn	13	3	20	7	12	7	1	9	4	2	4	1	83
Quantity of CO code requests denied	49	75	122	99	78	32	41	84	38	65	51	155	889

The totals for CO code requests processed and assigned in 2023, while lower than 2022, are the third highest totals ever. NANPA processed 18,805 requests in 2023, compared to 22,795 requests processed in 2022. A total of 4,867 CO code assignments were made in 2023 as compared to 5,408 in 2022. Productivity statistics for the past five years can be found in Section 13, *Historical Trends Since 2019*.

The majority of CO code assignments were for pool replenishment. Following are the assignment totals by application type:

- 4,046 for pool replenishment (83%),
- 648 for LRNs (13%),
- 173 for dedicated customers (4%),

Of the 18,805 applications processed, 15,333 CO Code applications were passed through to NAS from PAS as compared to 22,795 in 2022. A total of 11,882 change requests were processed in 2023 compared to 15,069 change requests in 2022. These include transfers to other service providers, switch changes, tandem changes, OCN changes due to mergers/acquisitions, and effective date changes. A total of 502 return requests were approved in 2023 compared to 644 returns in 2022, a 20% decrease compared to 2023. A total of 83 applications were withdrawn, as compared to 49 withdrawals in 2022.

4.2 STATUS OF THOUSANDS-BLOCK PRODUCTIVITY

This section describes in detail thousands-block pooling processing activity in 2023, including information about applications processed, thousands-blocks assigned, and CO codes opened in pooled rate centers. Productivity statistics for the past five years can be found in Section 13, *Historical Trends Since 2019*.

4.2.1 2023 Thousands-Block Productivity

NANPA administers all thousands-blocks utilizing the PAS. In 2023, NANPA processed the second-highest number of applications ever, including processing pooled CO code requests within a timeframe of seven calendar days. NANPA processed 212,976 Part 3As, which is the second highest total to date, compared to 212,091 Part 3As in 2022.

Table 4-2 identifies areas of thousands-block processing activity:

**Table 4-2
2023 Thousands-Block Activity**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Quantity of applications (Part 3As) processed	11,397	19,357	19,658	17,451	17,875	23,585	22,260	21,380	17,361	13,398	7,923	21,331	212,976
Quantity of applications not processed in 7 calendar days	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity of thousands-block assignments made	4,607	2,896	3,327	3,530	5,365	5,899	9,362	7,067	7,695	5,803	2,797	4,918	63,266
Quantity of change requests to existing thousands-blocks	4,446	12,235	9,631	11,106	8,726	13,886	9,511	9,639	3,759	4,147	2,104	3,054	92,244
Quantity of requests to cancel or withdraw	65	163	284	150	94	143	85	57	74	71	39	42	1,267
Quantity of thousands-block disconnect requests	619	812	2,391	683	1,053	1,258	794	1,610	1,595	1,069	879	5,479	18,242
Quantity of thousands-block cancel disconnect requests	0	10	8	3	4	2	2	2	3	2	1	2	39
Quantity of thousands-block requests denied	312	396	934	381	277	376	452	500	1,106	641	733	916	7,024
Quantity of thousands-block requests suspended	1,348	2,845	3,083	1,598	2,356	2,021	2,054	2,505	3,129	1,665	1,370	6,920	30,894
Quantity of thousand-block reservation requests	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity of thousand-blocks	0	0	0	0	1	0	0	0	0	0	0	0	1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
reclaimed													
Quantity of new blocks on reclamation list	55	181	173	217	92	293	139	19	91	59	44	86	1,449
Total Quantity of blocks on reclamation list	343	461	459	613	593	662	659	512	454	336	257	254	5,603
Quantity of rate center status changes	25	11	8	6	13	17	3	6	17	10	7	7	130
Quantity of RCs with < 6 months inventory based on forecast	1,372	1,230	1,233	1,189	1,163	1,338	1,968	1,538	1,571	1,318	1,217	1,243	16,380
Quantity of RCs < 6 mos. inv based on forecast and zero blocks	621	557	540	508	490	485	722	636	560	489	469	384	6,461
Quantity of RCs with blocks in pending status	537	590	606	625	623	680	717	885	922	639	448	534	7,806
Quantity of codes opened for pool replenishment	352	162	172	221	341	405	376	647	477	335	193	365	4,046

Table 4-3 shows a breakdown of applications (Part 3As) by disposition type, including approvals, denials, suspensions, and withdrawals.

**Table 4-3
Applications (Part 3As) Processed in 2023**

APPLICATION TYPE	TOTALS
Approvals	173,791
Denials	7,024
Suspensions	30,894
Withdrawals	1,267
TOTAL	212,976

Table 4-4 and Figure 1 contain the total number of applications processed by activity type.

**Table 4-4
2023 Applications (Part 3A) Processed by Type**

APPLICATION TYPE	APPROVED	DENIED	SUSPENDED	WITHDRAWN	TOTAL
Thousands-block Modifications	88,062	475	0	599	89,136
Thousands-block Disconnects	18,027	20,85	20,225	125	40,462
Thousands-block Cancel Disconnect	38	1	0	0	39
Individual Thousands-blocks	45,738	2,852		157	48,747
Thousands-block Reservations	0	2	0	0	2
Process/Cancel Thousands-block Reservations	0	0	0	0	0
Code Modifications	4,172	250	4,304	134	8,860
Code Disconnects	156	618	1,448	20	2,242
LRN Thousands-blocks	747	293	666	100	1,806
Dedicated Customer Thousands-blocks	1,700	117	181	31	2,029
Pool Replenishment Thousands-blocks	15,051	329	4,070	95	19,545
ISP Disconnects	59	0	0	0	59
ISP Modifications	10	0	0	0	10
ISP Thousands-blocks	31	2	0	6	39
TOTALS	173,791	7,024	30,894	1,267	212,976

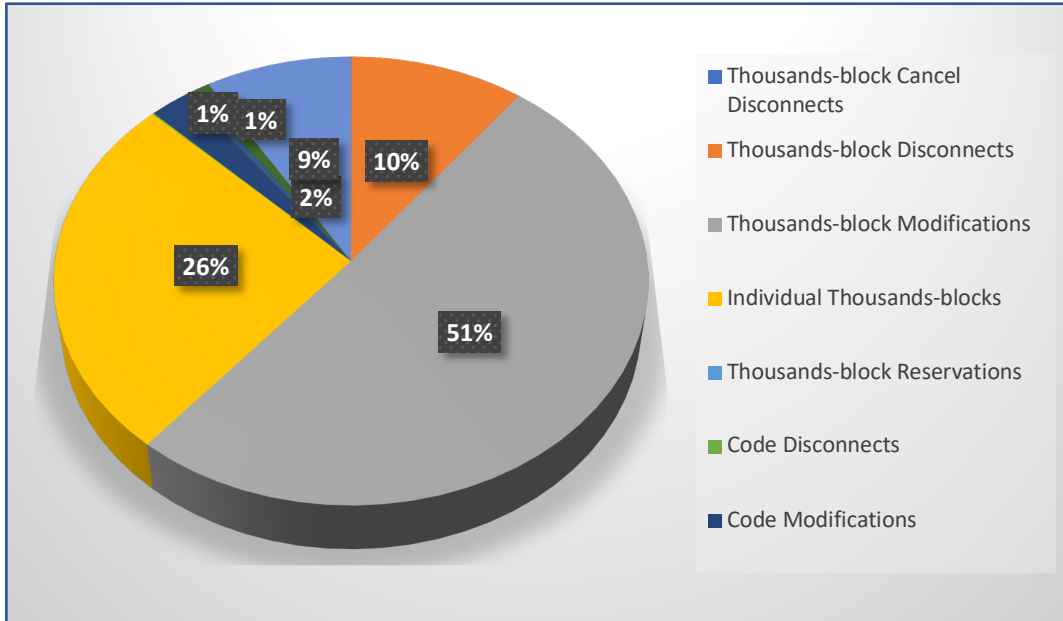


Figure 1: 2023 Pooling Applications by Type

NANPA also issued 18,242 Part 5s for thousands-block disconnects, reclamations, and exchanges during 2023, of which 18,205 were actual thousands-block disconnects.

NANPA processed 100% of the 212,976 applications (Part 3As) within seven calendar days.

There were 891,826 assigned thousands-blocks in PAS at the end of 2023, an increase of 49,610 from 2022.

Figure 2 below depicts the monthly thousands-block assignments made by NANPA during each month in 2023, NANPA assigned the highest total of thousands-blocks, 9,362, in July, and the lowest total, 2,797, in November.

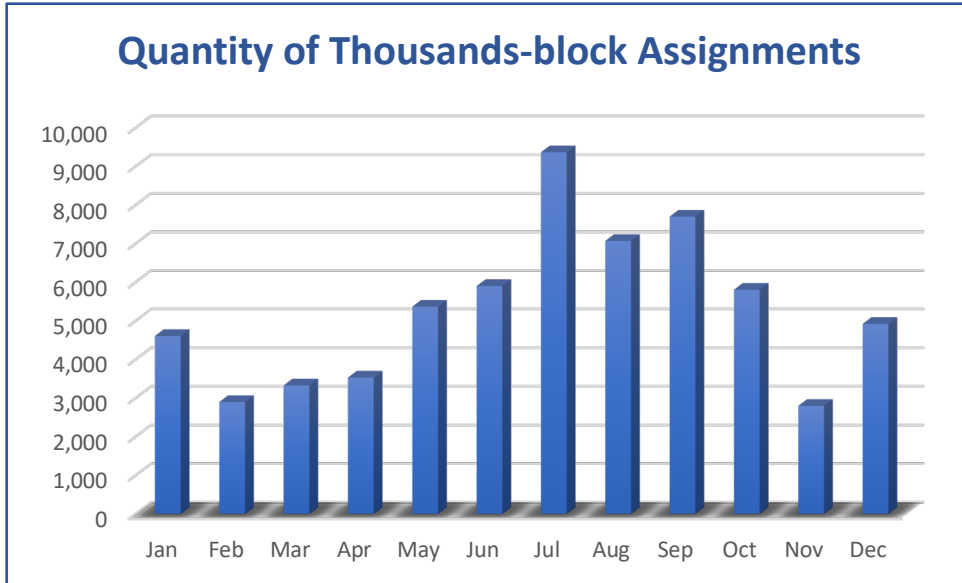


Figure 2: Thousands-blocks Assigned by NANPA in Each Month in 2023

The total number of applications (Part 3As) processed is a measure of the actual work performed by NANPA, because not every application results in the immediate assignment of a thousands-block. Although a large majority of applications for numbering resources are processed and approved immediately, some are suspended for future action, and some are denied or withdrawn entirely. Each of these actions requires work on the part of NANPA and generates a Part 3A.

Figure 3 below provides a complete overview of all applications processed in PAS for 2023, including approvals, denials, withdrawals, and suspended applications.

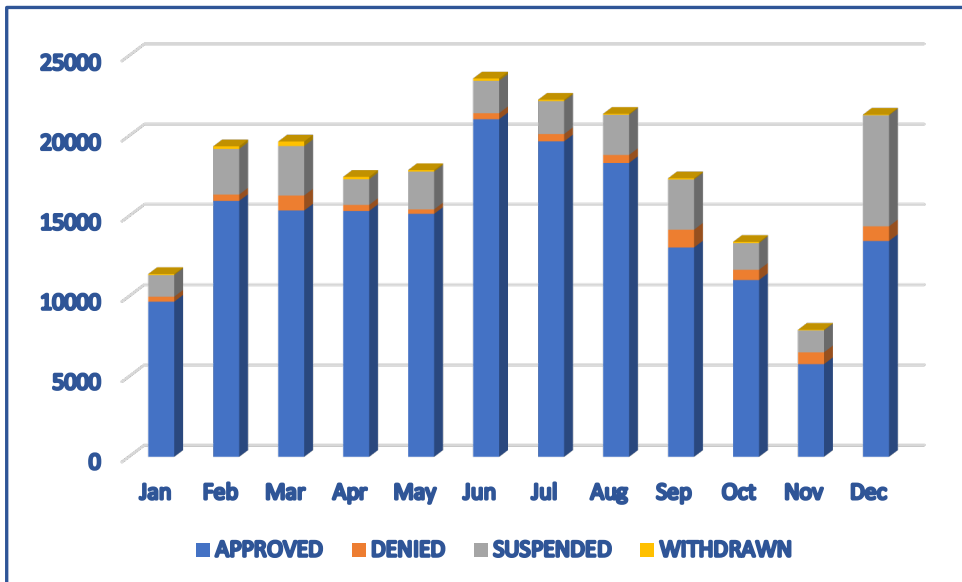


Figure 3: Overview of All 2023 Applications Processed by Status

Tables 4-5 and 4-6 list the ten states and NPAs with the highest number of applications processed (Part 3As) in 2023.

**Table 4-5
Ten States with Highest Number of Applications Processed (Part 3As)**

STATE	TOTAL PART 3As
CALIFORNIA	22,984
TEXAS	20,976
FLORIDA	15,836
PENNSYLVANIA	12,558
NEW YORK	11,906
ILLINOIS	8,206
GEORGIA	8,066
VIRGINIA	7,196
MASSACUSETTS	6,217
NEW JERSEY	6,108

**Table 4-6
Ten NPAs with Highest Number of Applications Processed (Part 3As)**

NPA	STATE	TOTAL PART 3As
757	VIRGINIA	1,939
678	GEORGIA	1,888
443	MARYLAND	1,882
530	CALIFORNIA	1,762
240	MARYLAND	1,692
484	PENNSYLVANIA	1,667
321	FLORIDA	1,480
956	TEXAS	1,459
832	TEXAS	1,447
281	TEXAS	1,423

When a pooling rate center inventory falls below the aggregated six-month forecasted demand, PAS alerts a service provider about the need to replenish the pool and permits the service provider to either take blocks from the pool when available, split the request by taking blocks and opening a CO code to replenish the pool, or to simply replenish the pool. NANPA is not authorized to obtain resources directly and therefore has no authority to replenish the inventory itself. Consequently, NANPA must rely on the SPs that can meet the application requirements to maintain adequate inventories by opening a CO code, keeping the thousands-blocks they need, and returning the remaining thousands-blocks from that CO code to the pool.

Table 4-7 below provides an overview of rate center inventories and pool replenishment.

**Table 4-7
2023 Pool Replenishment Overview**

Average number of rate centers per month that had less than a six-month inventory	1,365
Percentage of total number of rate centers per month that had less than a six-month inventory	7.3%
Average number of rate centers per month that had no thousands-blocks available but had a forecasted demand	538
Number of CO codes opened for pool replenishment	4,046

Table 4-8 shows the number of CO codes opened by NANPA by purpose in 2023. Pool replenishment accounts for 83% of the CO codes opened as compared to 90% in 2022 whereas dedicated customer requests increased to 4% as compared to 1% and LRN requests increased to 13% from 9% in 2022.

**Table 4-8
CO Codes Opened by Purpose**

PURPOSE	TOTAL	PERCENT OF TOTAL
LRN	648	13%
Dedicated Customer	173	4%
Pool Replenishment	4,046	83%
TOTAL	4,867	100%

Tables 4-9 and 4-10 show the ten states and NPAs which had the most pool replenishment activity in 2023.

**Table 4-9
Ten States with the Most Pool Replenishment Activity**

STATE	CODES OPENED
CALIFORNIA	517
TEXAS	357
FLORIDA	327
NEW YORK	301
PENNSYLVANIA	254
ILLINOIS	171
GEORGIA	162
NORTH CAROLINA	157

STATE	CODES OPENED
OHIO	142
NEW JERSEY	117

Table 4-10
Ten NPAs with the Most Pool Replenishment

NPA COMPLEX	STATE	CO CODES OPENED
281/346/713/832	TEXAS	82
347/718/917/929	NEW YORK	73
272/570	PENNSYLVANIA	69
657/714	CALIFORNIA	60
305/645/786	FLORIDA	58
329/845	NEW YORK	52
304/681	WEST VIRGINIA	49
214/469/945/972	TEXAS	44
561/728	FLORIDA	43
618/730	ILLINOIS	43

Figures 4 through 6, depict the type of CO code assignments by application type, CO code assignments by service provider type, CO code assignments by state and the number of growth and initial CO codes assigned each month in 2023.

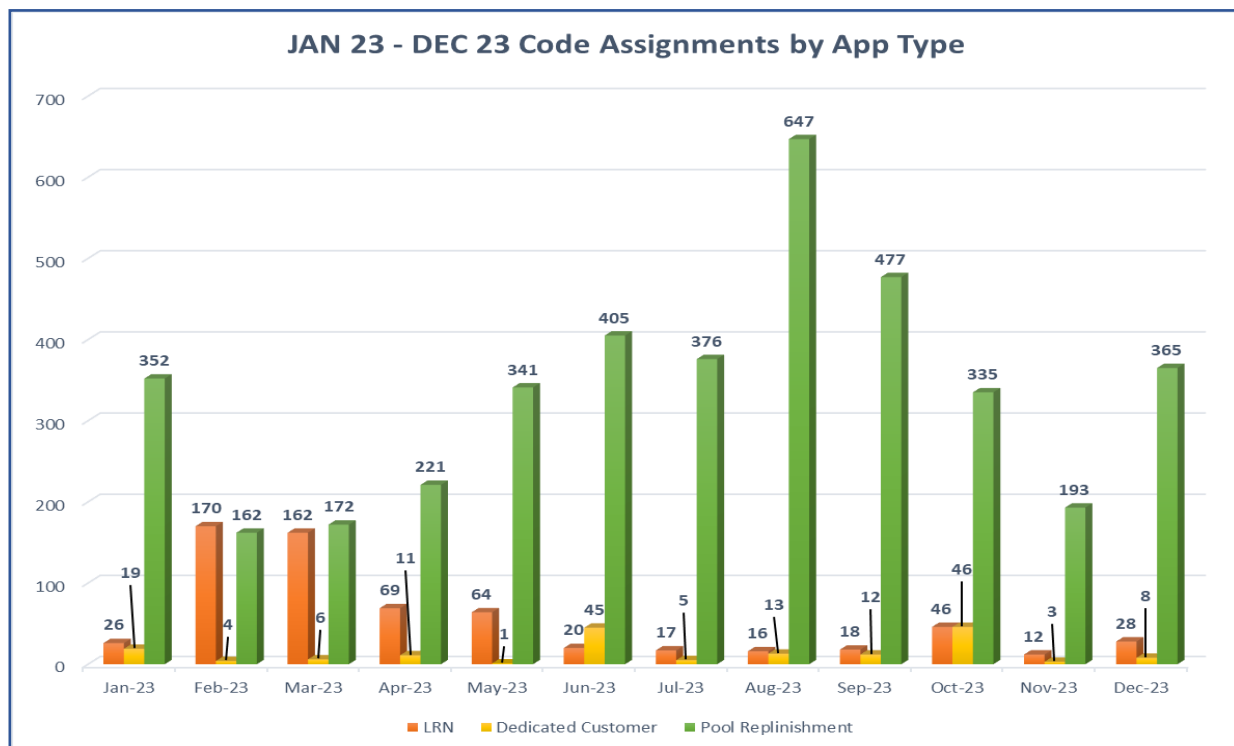


Figure 4: CO Codes Assignments by Month and Application Type

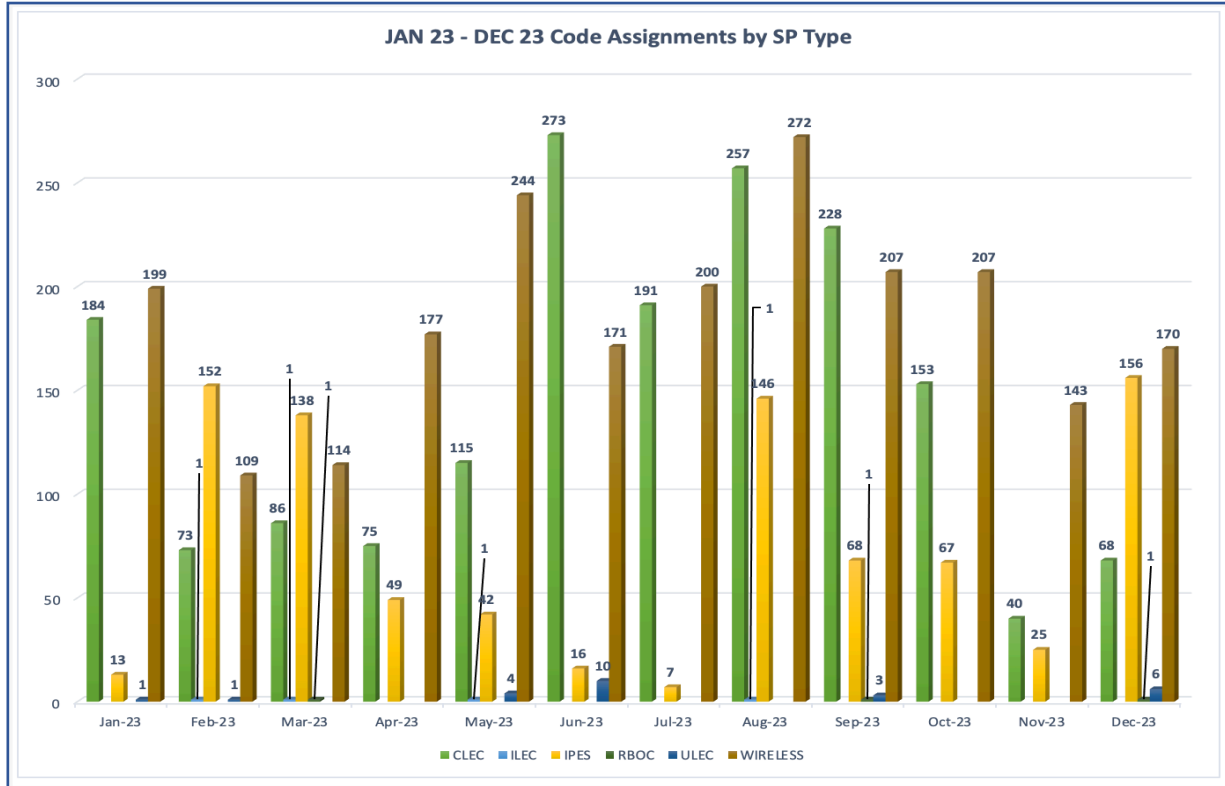


Figure 5: CO Codes Assigned by Service Provider Type

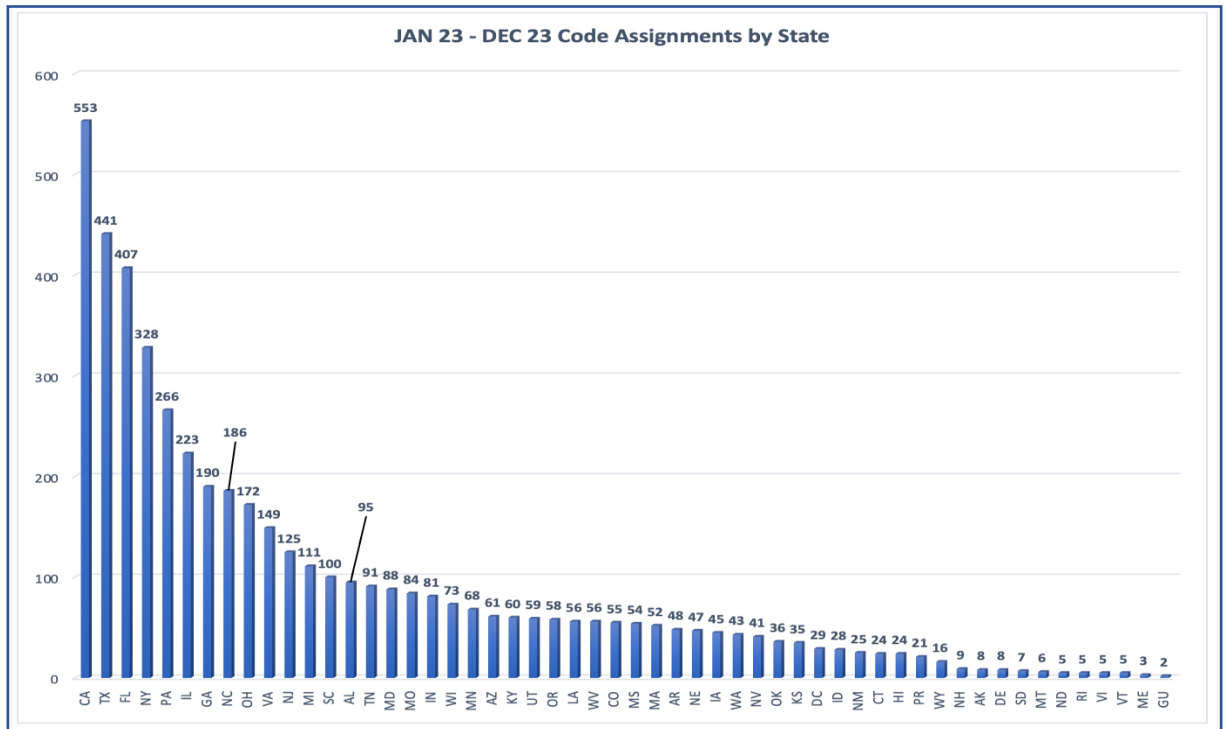


Figure 6: CO Codes Assigned by State

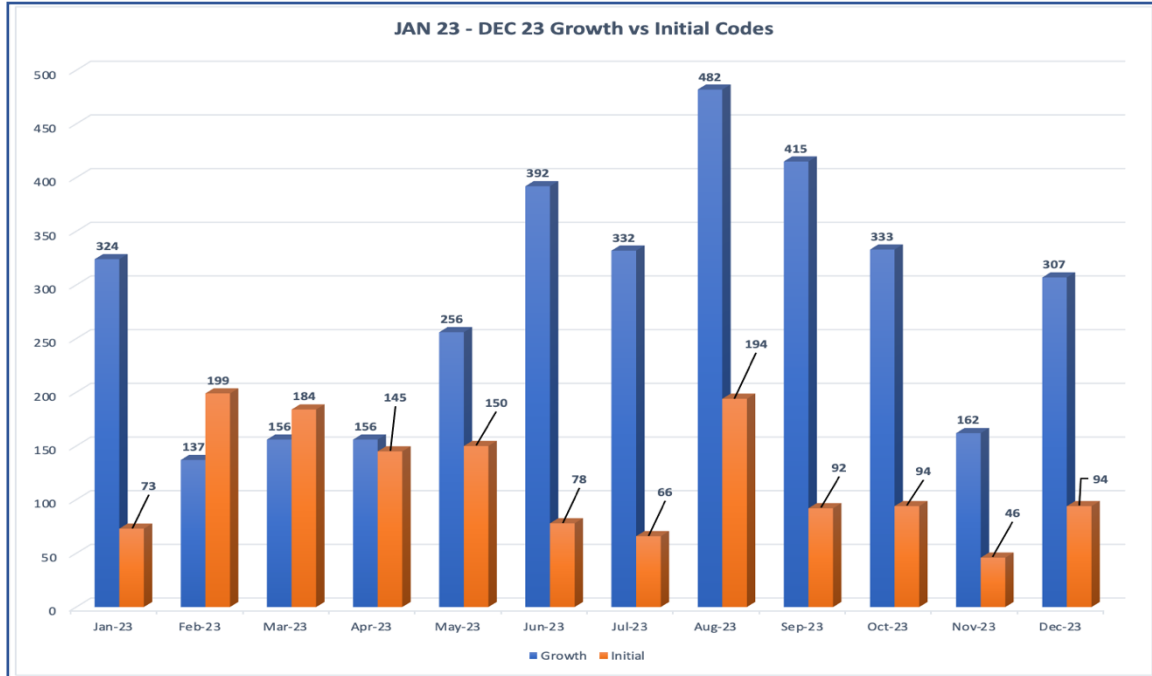


Figure 7: CO Codes Assignments by Initial or Growth By Month

Figures 8 through 10, depict the thousands-block assignments by application type, thousands-block assignments by service provider type, thousands-block assignments by state and the number of growth and initial thousands-block assigned each month in 2023.

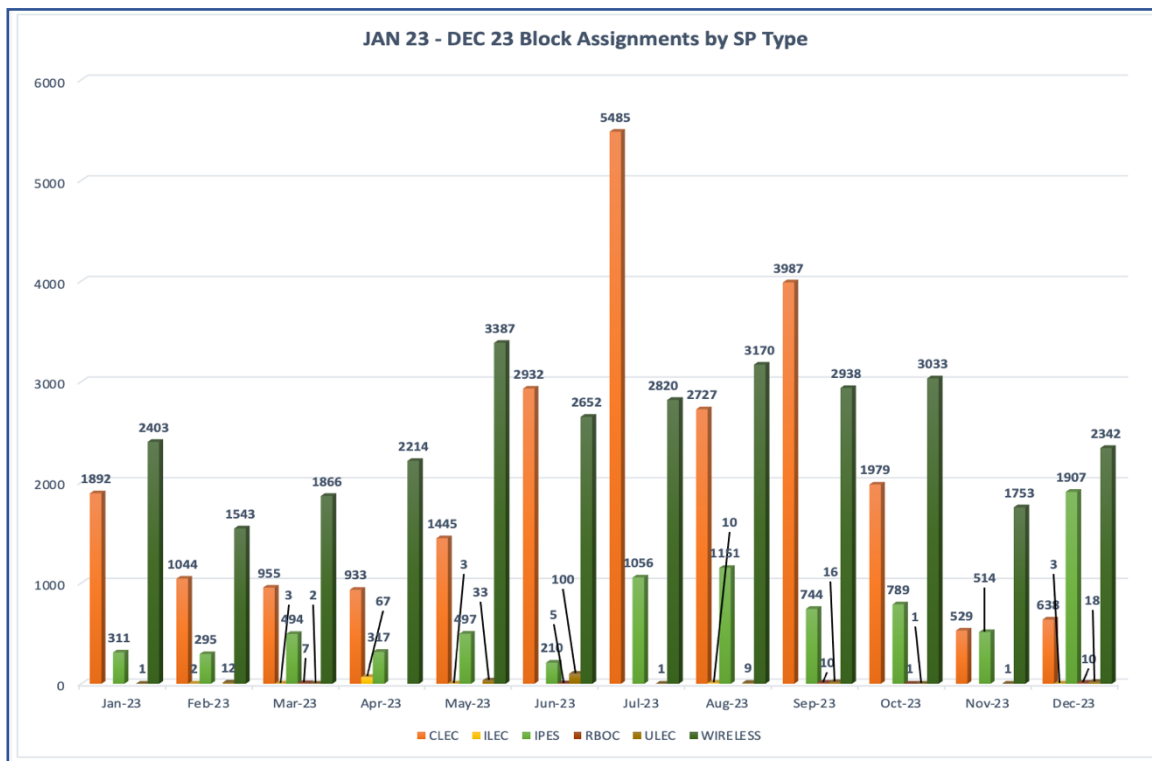


Figure 8: Thousands-Blocks Assignments by Month and Service Provider Type

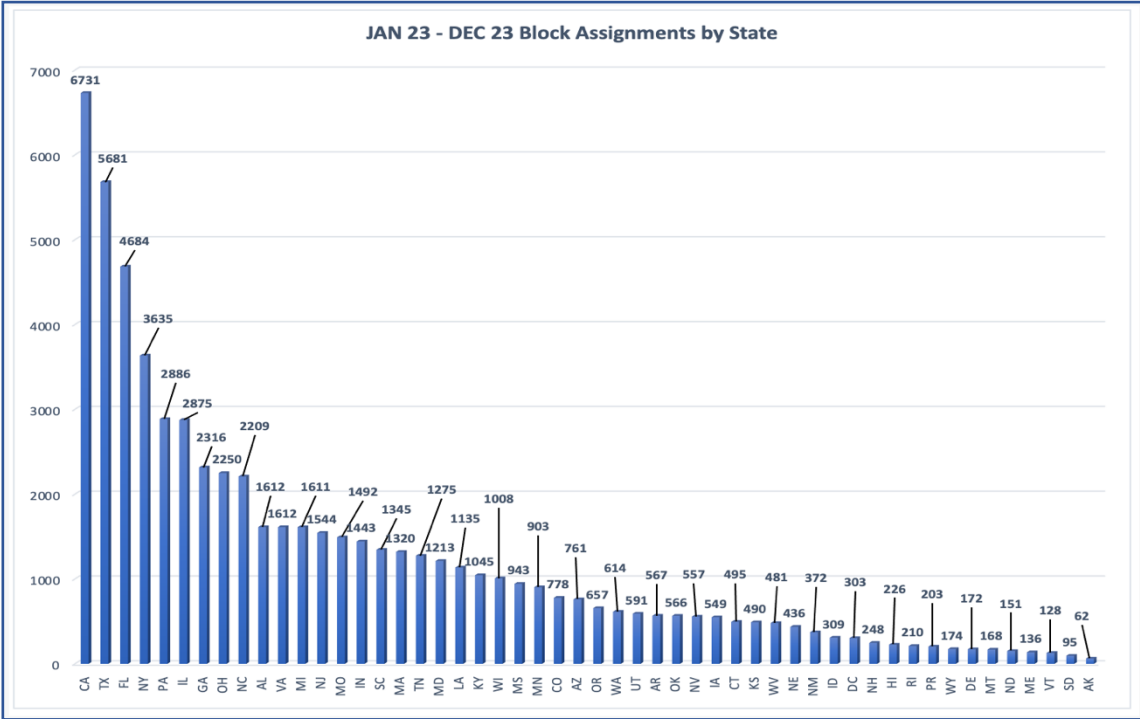


Figure 9: Thousands-Blocks Assigned by State

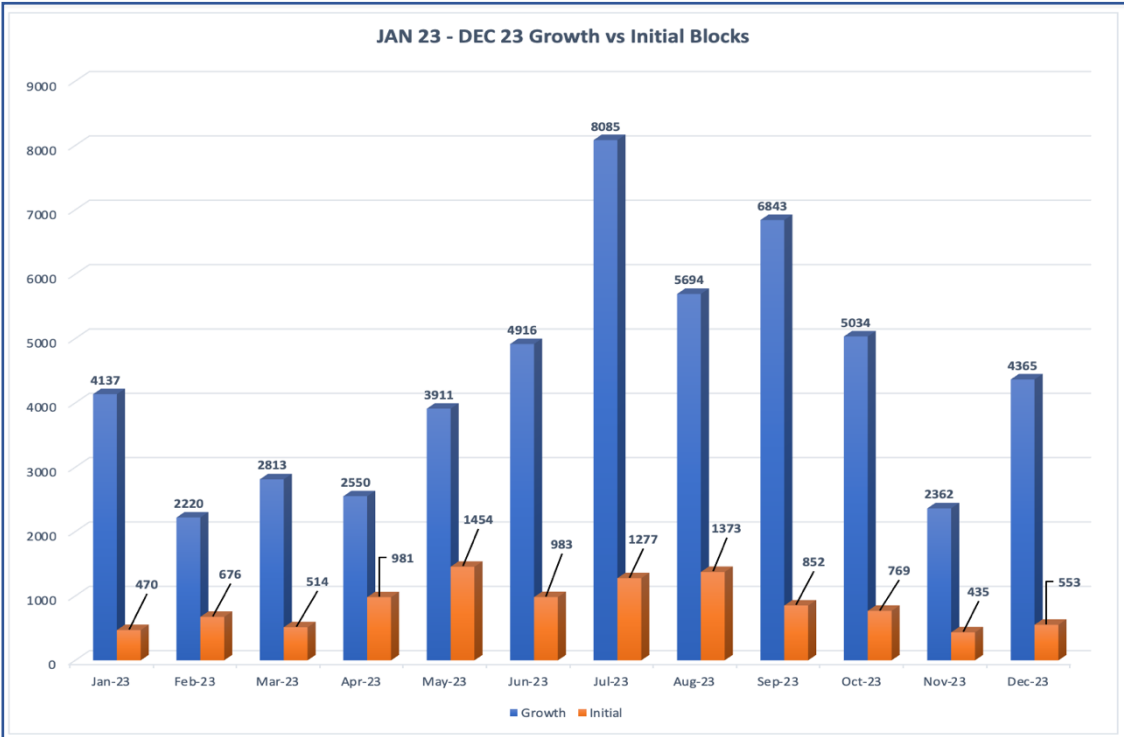


Figure 10: Thousands-Blocks Assignments by Initial or Growth By Month

4.3 OTHER NANPA CO CODE AND THOUSANDS-BLOCK ACTIVITIES

4.3.1 DATA QUALITY

NANPA manages the quality control and maintenance of the rate center data located on the website, completes the semi-annual forecasting reports, updates NAS and PAS for area code relief events, and provides status updates for the Industry at NANPA meetings.

The *NPA/Rate Center Reports* identify the pooling participation level status designation of all rate centers in each NPA, including where service providers are either required to participate in pooling (Mandatory, either by the FCC (M) or state delegated authority (M)), are required to participate when a second service provider enters the rate center (Mandatory Single Service Provider, either by FCC (M*) or state delegated authority (M*)), where pooling is not required, but either the state or a carrier has requested that the rate center be opened in PAS (Optional or O), or where no carrier has chosen to pool (Excluded or X).

NANPA is responsible for the accurate recording of all pooling information associated with every NPA, including the status designation for each rate center. For the definitions of rate center status designations, see Section 4.4.

In addition, NANPA monitors and makes all of the changes that occur as a result of the Office of Management and Budget (OMB) directives related to population changes that affect pooling rate center designations.

Changes to rate center information are available in real-time through the pooling website. In 2023, NANPA made 130 rate center information changes in 56 distinct NPAs in 25 states. All of the changes are related to updates to the rate center status designation from X to O, M* to M or M* M.

Table 4-11 shows the type of rate center information change and how many were changed during each month in 2023.

**Table 4-11
Summary of 2023 Rate Center File Changes**

REASON	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CHANGE IN STATUS:													
M* to M	0	0	0	2	4	0	0	0	4	0	0	2	12
M* to M	0	0	0	2	3	2	2	0	0	0	0	1	10
X to O	25	11	8	2	6	15	1	6	13	10	7	4	108
X to M*	0	0	0	0	0	0	0	0	0	0	0	0	0
X to M*	0	0	0	0	0	0	0	0	0	0	0	0	0
O to M*	0	0	0	0	0	0	0	0	0	0	0	0	0
M to M	0	0	0	0	0	0	0	0	0	0	0	0	0

REASON	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
M to M*	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW RATE CENTERS	0	0	0	0	0	0	0	0	0	0	0	0	0
RATE CENTERS WITH MSA UPDATES	0	0	0	0	0	0	0	0	0	0	0	0	0
MSA CHANGES	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	25	11	8	6	13	17	3	6	17	10	7	7	130

4.3.2 DEBT COLLECTION IMPROVEMENT ACT OF 1996, FCC 04-72, MD DOCKET 02-339, ADOPTED MARCH 25, 2004 (RED LIGHT RULE)

The “Red Light Rule” provides that anyone filing an application or seeking a benefit from the FCC or one of its components (including the Universal Service Administrative Corporation, the Telecommunications Relay Service, or NANPA) who is delinquent in debts owed to the FCC, will be barred from receiving a license or other benefit until the delinquency has been resolved. The FCC determined that numbering resources constitute a benefit and has directed the NANPA to withhold assignment of numbering resources to any entity identified by the FCC as delinquent in its payments to them.

In 2023, NANPA denied 12 new CO code requests and 120 new thousands-block requests in compliance with this requirement.

4.3.3 SEEKING VOLUNTARY DISCONNECTS

When a service provider requests to opt into pooling in an Excluded rate center, the rate center designation is changed from “Excluded” to “Optional,” and NANPA will then seek voluntary thousands-block disconnects from existing service providers in that rate center so that the incoming service provider can request thousands-blocks instead of opening a new CO code. When successful, this proactive effort prevents the unnecessary opening of CO codes. This time-consuming effort requires that NANPA first verify which service providers presently operate in the rate center, then locate the contact information for them, and finally send emails to each of the service providers explaining the circumstances and requesting the thousands-block disconnects.

Between January 1 and December 31, 2023, NANPA attempted to secure voluntary thousands-block disconnects for 71 rate centers that were changed from Excluded to an Optional status. NANPA was able to obtain disconnects for 17 of those rate centers, thereby potentially saving the opening of 17 CO codes.

At times, a carrier will also contact NANPA to seek disconnects in a pooling rate center when no thousands-blocks are available to prevent the opening of a CO code. In 2023, NANPA was asked by service providers to request voluntary thousands-block disconnects in 82 Optional pooling rate centers that did not have any available thousands-blocks. NANPA requested and received disconnects for 52 of the rate centers thereby potentially saving 52 CO codes from being opened.

4.3.4 ABANDONED CO CODES AND THOUSANDS-BLOCKS:

When NANPA learns that a company has ceased operations and abandoned CO codes and thousands-blocks, NANPA initiates the process to recover or reassign those resources. NANPA works with the appropriate regulatory authority to obtain approval to treat those resources as abandoned. Upon approval from the appropriate regulatory authority, NANPA verifies with the NPAC if there are any LRNs associated with a CO code, or ported TNs on CO codes or thousands-blocks. If there are no LRNs or ported TNs, NANPA makes the CO code available for assignment. If there are no ported TNs or the thousands-block is 10% or less contaminated, NANPA makes the thousands-block available. If the CO code has ported TNs, assigned/retained thousands-blocks, or the thousands-block is over 10% contaminated, NANPA will reach out to those SPs with the ported TNs or assigned/retained thousands-blocks to request that they become the new CO code or block holder. This requires considerable work and coordination by NANPA.

There are some instances where NANPA determines through further research with regulators or other sources that a service provider initially identified as being abandoned is still in business. NANPA will then halt the abandoned process and educate the service provider about their responsibilities to file their NRUF and to keep their contact information up to date in the NANPA systems.

The following is a summary of abandoned CO code/thousands-block activity in 2023:

- There were six companies identified in 20 states with abandoned CO codes and/or thousands-blocks:
 - CO codes:
 - 571 were transferred to new code holders
 - No CO codes were disconnected and made available
 - Thousands-blocks:
 - 4,386 were transferred to a new thousands-block holder
 - 29 thousands-blocks were disconnected and made available

4.3.5 MANAGING JEOPARDIES

NANPA may recognize a need to declare a jeopardy condition in an NPA after reviewing CO code assignment rates and adjusting the projected NPA exhaust dates. A jeopardy

condition exists when an NPA is in danger of running out of CO codes before area code relief can be implemented.

When NANPA declares jeopardy, interim jeopardy procedures are put into place effective immediately. Interim jeopardy procedures allow for the assignment of three CO codes per month and remain in effect until the Industry meets to develop the final jeopardy procedures. NANPA posts the interim procedures to the NANPA website within one week of the jeopardy declaration. No later than three weeks after jeopardy is declared, NANPA convenes an Industry meeting to develop the final jeopardy procedures. These procedures ration the number of CO codes that can be assigned each month, and the Industry often will set a trigger for reevaluating the jeopardy allocation based on the assignment history, remaining CO codes, and when area code relief will be implemented.

Once the Industry reaches consensus on the final jeopardy procedures, NANPA posts them to the website. In addition, if a relief filing has not yet been filed, NANPA will schedule an Industry meeting to develop a relief plan for the jeopardy NPA.

NANPA checks daily for applications submitted within the NPAs in jeopardy to ensure the jeopardy procedures are followed and CO codes are assigned only within the submission timeframe. Those requests placed within the submission timeframe, between the first and fifth business days of the month, and meet the assignment criteria, are suspended until the lottery submission period ends. After the end of the submission timeframe, NANPA reviews the suspended requests and if fewer requests were submitted than the monthly allotment permits, including carryover allotments that were not assigned in previous lotteries, there is no lottery, and the requests are processed. If there are more requests than the monthly and carryover allotment permits, NANPA places all of the applications into a lottery and draws the allowed number of requests. The applications drawn from the lottery are processed and the remaining applications are denied. Often requests are submitted outside the lottery timeframes and those requests are immediately denied.

At the start of 2023, there were six NPAs in jeopardy: Florida 305/786, Illinois 618, New York 716, Ohio 440 and 513, and Wisconsin 608.

The jeopardies for the Florida 305/786, Ohio 513 and Illinois 618 NPAs concluded as a result of the implementation of the relief NPA. The 618 NPA had been in a jeopardy status since July 11, 2000, nearly 23 years, and is the longest running jeopardy condition managed by NANPA in its history. NANPA rescinded jeopardy in the New York 716, Ohio 440, and Wisconsin 608 NPAs due to a significant decrease in CO code demand.

For the first time since 2000, there are no NPAs in jeopardy as of the end of 2023.

**Table 4-12
Status of 2023 Jeopardy NPAs**

STATE	NPA	ACTIVITY	DATE
Ohio	513	Concluded	2/21/23
New York	716	Rescinded	4/12/23
Wisconsin	608	Rescinded	4/12/23
Ohio	440	Rescinded	4/17/23
Illinois	618	Concluded	5/2/23
Florida	305/786	Concluded	5/30/23

4.3.6 AUTHORIZED INTERCONNECTED VOIP SUPPORT

On June 22, 2015, the FCC released the VoIP Direct Access order establishing a process to authorize iVoIP providers to obtain telephone numbers nationwide directly from NANPA. NANPA has been providing additional support for iVoIP providers and state regulators since the order became effective and the FCC began accepting applications for authorization in February 2016.

Once an iVoIP provider’s direct access authorization application is granted, the applicant can immediately submit the required 30-day notification to states from which it intends to request numbers. The first numbering resources were assigned to a iVoIP entity in May 2016. By the end of 2023, a total of 167 applications had been submitted to the FCC for direct access authorization, with a total of 119 approved. Of those, 10 new applications were submitted, and the FCC approved 15 authorizations in 2023.

NANPA continues to support and educate iVoIP providers on application processing requirements, proper supporting documentation, and the information needed in 30-day notification letters. NANPA provides a “Getting Started for Interconnected VoIP Providers” quick sheet that provides guidance on the rules and Industry guidelines related to iVoIP direct access to numbering resources and have a “New Service Provider Checklist” to assist with process questions.

NANPA also works one-on-one with the iVoIP applicants to explain the rules and guidelines so the applications for numbering resources can be processed as quickly as possible. This often prevents the need to resubmit documentation or applications. NANPA spends a vast amount of time with individual iVoIP provider administrators going over the process for registering in NAS and PAS, what documentation they need, and how to submit applications.

In addition, we continue sending regular updates to the state commissions whenever new applications for direct access authorization or filings are made and when initial requests to open CO codes for LRNs are submitted in their states. NANPA responds to questions about the 30-day notification process and works with the states and the FCC when questions arise about iVoIP providers’ requirements to follow state-specific procedures.

NANPA created the “VoIP Provider 30-day Notification State Regulatory Sheet” which is posted to the Pooling website and is intended to save iVoIP providers time when submitting a 30-day notification to a state. NANPA developed the file with information obtained from state regulatory authorities about how to submit 30-day notifications, as well as contact and/or docket information for each state. NANPA updates the information when notified about any changes in regulatory contacts or process that occur.

In 2023, there were 24,502 applications processed (Part 3As) for iVoIP providers (IPES Operating Company Number or OCN), compared to 36,055 applications (Part 3As) in 2022. This represents approximately 12% of the total number of Parts 3As processed.

Table 4-13 details the total number of applications processed for iVoIP providers in 2023:

**Table 4-13
iVoIP Applications (Part 3As) Processed**

TYPE OF APPLICATION	TOTAL PROCESSED
Approvals	17,323
Denials	2,074
Suspensions	4,861
Withdrawals	244
TOTAL	24,502

4.3.7 CO CODE CONSERVATION EFFORTS

NANPA continued the practice of assisting service providers and state regulators in the transfer of a CO code from one service provider to another service provider needing to open a code for a LRN. NANPA coordinated with regulators and service providers in an attempt to transfer 201 CO codes, where possible, to avoid opening new CO codes for LRN purposes. This total is nearly double the 111 requests to find possible transfer codes in 2022. NANPA is unable to accurately track whether CO codes were actually saved because of the many steps involved in the transfer process and varied timelines for each transaction but based on responses from regulators and service providers, NANPA estimates approximately 83 CO codes were saved.

4.3.8 MASS MODIFICATION ACTIVITY

Service providers may submit a mass modification spreadsheet containing modifications (e.g., change in switch ID, intra-company OCN, tandem homing CLLI) to CO code and thousands-block records when such changes impact 50 or more CO codes or thousands-blocks. In 2023, NANPA processed 6,680 CO code changes compared to 7,166 CO code changes in 2022 and 14,473 changes for thousands-blocks compared to 12,703 changes for thousands-blocks in 2022 via the mass modification process.

4.3.9 RECLAMATION

Reclamation refers to the process of reclaiming numbering resources, both CO codes and thousands-blocks, that have not been placed into service within 6-months of the effective date. FCC rules¹² and Industry guidelines require that assigned CO codes and thousands-blocks be placed into service no later than six-months after the original effective date. The assignee confirms that the CO code or thousands-block is in service by submitting a Part 4 for CO codes and Part 4A for thousands-blocks.

If the Part 4 or Part 4A is not received within six-months of the original Part 3 or Part 3A effective date, the Part 4 or Part 4A is considered delinquent, and the CO code or thousands-block is eligible to be reclaimed. If NANPA does not receive the Part 4 or 4A during the first five months following the original effective date identified on the Part 3 or Part 3A, NANPA sends a reminder notice to the CO code or thousands-block holder. NANPA also sends a second reminder to the service provider on the day after the Part 4 or Part 4A was due. By the 10th calendar day of each month, NANPA sends a list of delinquent Part 4 and Part 4As for the CO codes and thousands-blocks to each appropriate regulatory contact requesting appropriate action. Once the initial 6-month timeframe for submitting the Part 4 or Part 4A has passed, NANPA can no longer accept the in-service certification without approval of the appropriate regulatory authority. 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 amount of delinquent CO codes and thousands-blocks on which it begins the reclamation process, along with the number of CO codes and thousands-blocks actually reclaimed each month. The reclamation of a CO code or thousands-block must be directed by the appropriate regulatory authority.

4.3.9.1 CO CODE RECLAMATION

In 2023, NANPA processed 5,197 Part 4s. NANPA sent 216 monthly reports to regulatory staff to address a total of 479 CO codes on the overdue Part 4 report compared to 355 in 2022. Of those, 81 were new to the list compared to 74 in 2022. NANPA initiated reclamation for one CO code in 2023 but the reclamation was reversed.

Table 4-14 depicts the CO code reclamation activity in 2023.

¹² 47CFR§ 52.15(i), Reclamation of Numbering Resources

**Table 4-14
CO Code Reclamation Activity**

Month	Total Number of CO Codes with Overdue Part 4s	Total Number of NEW CO Codes with Overdue Part 4s	Total Number of CO Codes for which Reclamation was Initiated ¹³	Total Number of CO Codes Reclaimed
January	41	2	1	0
February	40	3	0	0
March	34	2	0	0
April	55	29	0	0
May	53	7	0	0
June	52	6	0	0
July	57	14	0	0
August	48	3	0	0
September	37	5	0	0
October	25	7	0	0
November	22	3	0	0
December	15	0	0	0
TOTAL	479	81	1	0

4.3.9.2 THOUSANDS-BLOCK RECLAMATION

In 2023, NANPA processed 64,560 Part 4As. NANPA sent 400 monthly reports to regulatory staff to address a total of 5,606 thousands-blocks on the overdue Part 4A reports in 2023, compared to 3,838 in 2022. Of those, 1,449 thousands-blocks were new, compared to 943 thousands-blocks in 2022. In 2023, regulators authorized NANPA to initiate reclamation on 126 thousands-blocks. Of those, reclamation was completed for one thousands-block in California.

Table 4-15 depicts the 2023 thousands-block reclamation activity:

¹³ While a state may authorize the NANPA to initiate thousands-block reclamation, not all thousands-blocks in this category have been reclaimed. In some cases, the reclamation process is halted if it is determined that the thousands-blocks are actually in service.

**Table 4-15
Thousands-Block Reclamation Activity**

Month	Total Number of Thousands-blocks with Overdue Part 4As	Total Number of NEW Thousands-blocks with Overdue Part 4As	Total Number of Thousands-blocks for which Reclamation was Initiated ¹⁴	Total Number of Thousands-blocks Reclaimed
January	343	55	3	0
February	461	181	0	0
March	459	173	0	0
April	613	217	0	0
May	593	92	123	1
June	662	293	0	0
July	659	139	0	0
August	512	19	0	0
September	454	91	0	0
October	336	59	0	0
November	257	44	0	0
December	254	86	0	0
TOTAL	5,603	1,449	126	1

4.3.9.3 VERY OLD OVERDUE PART 4/4AS

In an attempt to reduce the number of very old overdue Part 4/4As going back to 2017, NANPA began a project to gain regulatory approval to accept the overdue Part 4/4As. We contacted 10 states with very old overdue Part 4s to find out if they were aware of them and had any questions about how to get them completed and off the list or if NANPA should initiate reclamation.

NANPA began the project with a list of 112 overdue Part 4/4As. While we were not able to settle all of them, we received and approved 98 overdue Part 4/4As in seven states. NANPA continues to follow-up with the state regulators for the remaining two CO codes/nine blocks in three states.

4.4 IDENTIFICATION OF EXISTING AND POTENTIAL THOUSANDS-BLOCK POOLING AREAS

As of December 31, 2023, there are 16,946 distinct thousands-block pooling rate centers (i.e., pooling areas), which constitute 91.7% of the 18,483 total number of distinct rate centers. While thousands-block pooling is available in all states, the District of Columbia and Puerto Rico, not all

¹⁴ While a state may authorize the NANPA to initiate thousands-block reclamation, not all thousands-blocks in this category have been reclaimed. In some cases, the reclamation process is halted if it is determined that the thousands-blocks are actually in service.

states have mandatory pooling, either by FCC rule or through delegated authority. North Dakota, South Dakota, and Wyoming have no mandatory pooling rate centers.

While NANPA cannot speculate about “potential” pooling areas, there are currently 1,531 Excluded rate centers in which no carrier is pooling and could therefore be considered “potential” pooling areas.

NANPA designates each rate center according to one of the following definitions:

1. **Mandatory (M)** - This rate center is located in a top-100 MSA and service providers with numbering resources in this rate center that have not been granted a specific exemption must pool in this rate center.
2. **Mandatory State (M)** - Pooling was implemented in this rate center pursuant to a state commission order. This rate center is not in a top-100 MSA, but has one or more pooling-capable service providers, and is considered a mandatory pooling rate center.
3. **Mandatory Single Service Provider (M*)** - This rate center is located in a top 100 MSA but has only one service provider that has numbering resources. This rate center will be considered optional under these conditions and designated as M*. When a second service provider receives numbering resources in this rate center, the designation will be changed to M for Mandatory.
4. **Mandatory State Single Service Provider (M*)** - Pooling has been implemented in this rate center pursuant to a state commission order. This rate center is not in a top 100 MSA and has only one service provider that has numbering resources. This rate center will be considered optional under these conditions and designated as M*. When a second service provider receives numbering resources in this rate center, the designation will be changed to M for Mandatory State.
5. **Optional (O)** - This rate center is not in a top 100 MSA and any service provider with numbering resources in this rate center may elect to pool at its option. Service providers may voluntarily participate in thousands-block number pooling in an Optional rate center outside the top 100 MSAs.
6. **Excluded (X)** - This rate center is not in a top-100 MSA, and no service provider is currently participating in pooling. This rate center is not included in the Pooling Administration System (PAS).

4.4.1 IDENTIFICATION OF EXISTING AND POTENTIAL POOLING AREAS

Table 4-16 below identifies the 18,483 rate centers and their status designations, by state, as of December 31, 2023. Of the total number of rate centers, 16,946 are distinct pooling rate centers (*i.e.*, pooling areas) and 1,537 are Excluded/Potential pooling areas. Pooling rate centers are identified as either “Mandatory” or “Optional.” Rate centers with a designation of “Excluded” are considered potential pooling areas.

Texas has the most rate centers with 1,277. Illinois has the second most rate centers with 983.

Table 4-16
Summary of all Rate Centers by Status Designation as of December 31, 2023

STATE	MANDATORY (M)	MANDATORY STATE (M)	OPTIONAL	MANDATORY SINGLE SP (M*)	MANDATORY STATE SINGLE SP (M*)	EXCLUDED	TOTAL
ALASKA	0	76	0	0	184	0	260
ALABAMA	58	86	136	0	0	19	299
ARKANSAS	77	0	260	2	0	41	380
ARIZONA	42	0	69	2	0	15	128
CALIFORNIA	442	83	182	12	0	20	739
COLORADO	23	5	140	0	0	40	208
CONNECTICUT	74	15	0	0	0	0	89
DELAWARE	1	0	0	0	0	0	1
DISTRICT OF COLUMBIA	8	0	22	0	0	0	30
FLORIDA	129	14	124	0	0	1	268
GEORGIA	82	0	254	2	0	22	360
HAWAII	1	0	5	0	0	0	6
IDAHO	84	63	477	17	0	170	811
ILLINOIS	18	114	0	1	12	0	145
INDIANA	248	0	651	12	0	72	983
IOWA	226	262	16	4	15	2	525
KANSAS	76	0	362	17	0	119	574
KENTUCKY	47	151	142	0	12	20	372
LOUISIANA	66	0	206	0	0	5	277
MAINE	234	30	2	0	0	0	266
MARYLAND	112	53	0	0	0	0	165
MASSACHUSETTS	50	101	94	0	0	4	249
MICHIGAN	229	112	289	0	1	3	634
MINNESOTA	63	0	446	0	0	129	638
MISSISSIPPI	141	466	0	17	97	0	721
MISSOURI	48	96	90	1	2	2	239
MONTANA	0	154	0	0	106	0	260
NORTH CAROLINA	157	17	247	1	0	9	431
NORTH DAKOTA	0	0	131	0	0	168	299
NEBRASKA	30	206	170	2	43	0	451
NEW HAMPSHIRE	32	92	24	0	0	0	148
NEW JERSEY	187	0	21	0	0	0	208
NEW MEXICO	7	0	90	0	0	57	154
NEW YORK	25	0	49	0	0	22	96
NEVADA	407	261	79	0	0	0	747
OHIO	383	163	167	0	0	26	739
OKLAHOMA	120	15	234	20	0	140	529

STATE	MANDATORY (M)	MANDATORY STATE (M)	OPTIONAL	MANDATORY SINGLE SP (M*)	MANDATORY STATE SINGLE SP (M*)	EXCLUDED	TOTAL
OREGON	36	103	79	0	0	37	255
PENNSYLVANIA	415	347	12	0	2	0	776
PUERTO RICO	49	0	35	0	0	0	84
RHODE ISLAND	25	0	0	0	0	0	25
SOUTH CAROLINA	112	0	126	0	0	2	240
SOUTH DAKOTA	0	0	120	0	0	149	269
TENNESSEE	124	0	194	4	0	19	341
TEXAS	327	7	777	6	0	160	1,277
UTAH	38	1	56	5	0	32	132
VERMONT	125	178	66	0	0	0	369
VIRGINIA	0	101	40	0	0	0	141
WASHINGTON	75	135	1	2	10	0	223
WEST VIRGINIA	134	325	121	4	18	0	602
WISCONSIN	7	156	62	0	0	3	228
WYOMING	0	0	63	0	0	29	92
GRAND TOTAL	5,394	3,988	6,931	131	502	1,537	18,483

Table 4-17 shows the ten states with the most total rate centers.

**Table 4-17
Ten States with the Highest Number of Rate Centers**

STATE	TOTAL RATE CENTERS
TEXAS	1,277
ILLINOIS	983
IOWA	811
PENNSYLVANIA	776
NEW YORK	747
CALIFORNIA	739
OHIO	739
MISSOURI	721
MINNESOTA	638
MICHIGAN	634

4.4.2 SUMMARIZED INFORMATION ABOUT EXISTING AND “POTENTIAL” POOLING AREAS

Table 4-18 illustrates the breakdown of the total number and percentage of rate centers that are available for pooling, as well as by pooling status designation.

Table 4-18
Summarized Information about Existing and “Potential” Pooling Areas

DESCRIPTION BY STATUS TYPE	TOTAL/PERCENTAGE
Total Number of Distinct Rate Centers Available for Pooling	16,946
Percentage of Distinct Rate Centers Available for Pooling	91.7%
Total Number of Mandatory (M and M) Distinct Rate Centers	9,382
Percentage of Distinct Rate Centers that are Mandatory	50.7%
Total Number of Distinct Mandatory Single-Service Provider (M*and M*) Rate Centers	633
Percentage of Distinct Rate Centers that are Mandatory Single-Service Provider	3.4%
Total Number of Distinct Optional Rate Centers	6,931
Percentage of Distinct Rate Centers that are Optional	37.5%
Total Number of Distinct Rate Centers Excluded from Pooling	1,537
Percentage of Distinct Rate Centers that are Excluded from Pooling	8.3%
Total Number of Distinct Rate Centers	18,483

4.5 AGGREGATED TOTAL NUMBER OF THE SERVICE PROVIDERS PARTICIPATING IN THE POOLED AREA, BY POOL

A list of the aggregated total by pool of the service providers participating in the pooled areas in 2023 can be found as Attachment 5. There are 1,121 distinct service providers¹⁵ participating in 16,946 distinct pooled rate centers in 236 NPA and NPA complexes covering 52 jurisdictions including the 50 states, the District of Columbia, and Puerto Rico.

¹⁵ This count of distinct service providers consolidates all OCNs for a single company under one parent company.

5 FORECAST RESULTS AND REVIEW OF FORECASTS VERSUS ACTUAL THOUSANDS-BLOCK ASSIGNMENTS

This section identifies forecast results by NPA as well as a review of forecasts compared to actual thousands-block assignments.

HIGHLIGHTS OF 2023 FORECAST DATA	
There were forecasts in 236 NPA and NPA complexes:	
10,960 distinct pooling rate areas with forecasts	
106,785 forecasted thousands-blocks	
63,266 thousands-blocks assigned	
59.25% of the thousands-blocks forecasted were assigned	

In 2023, 106,785 thousands-blocks were forecasted, and 63,266 thousands-blocks were assigned in 236 NPA and NPA complexes. This resulted in 59.25% of the forecasted thousands-blocks being assigned.

Carriers forecasted a need for thousands-blocks in 10,960 of the 16,946 pooling rate centers, or in 64.68% of them. No thousands-blocks were forecasted in 5,986 pooling rate centers in 2023. Table 5-1 below depicts the percentage of thousands-blocks forecasted versus actual thousands-block assignment by NPA or NPA Complex.

**Table 5-1
Forecasted versus Actual Thousands-block Assignments by NPA or NPA Complex for 2023**

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
201/551	NEW JERSEY	471	253	53.72%
202/771	DISTRICT OF COLUMBIA	462	303	65.58%
203/475	CONNECTICUT	448	221	49.33%
205/659	ALABAMA	620	405	65.32%
206	WASHINGTON	153	105	68.63%
207	MAINE	240	136	56.67%
208/986	IDAHO	457	309	67.61%
209/350	CALIFORNIA	473	334	70.61%
210/726	TEXAS	418	313	74.88%
212/332/646/917	NEW YORK	546	277	50.73%
213/323	CALIFORNIA	643	450	69.98%
214/469/945/972	TEXAS	1,112	549	49.37%
215/267/445	PENNSYLVANIA	802	491	61.22%
216	OHIO	111	78	70.27%
217/447	ILLINOIS	680	515	75.74%
218	MINNESOTA	260	163	62.69%
219	INDIANA	363	199	54.82%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
220/740	OHIO	797	372	46.68%
223/717	PENNSYLVANIA	646	420	65.02%
224/847	ILLINOIS	736	405	55.03%
225	LOUISIANA	394	244	61.93%
227/240/301	MARYLAND	914	592	64.77%
228	MISSISSIPPI	225	158	70.22%
229	GEORGIA	853	444	52.05%
231	MICHIGAN	220	135	61.36%
234/330	OHIO	816	409	50.12%
235/573	MISSOURI	653	471	72.13%
239	FLORIDA	470	238	50.64%
248/947	MICHIGAN	374	237	63.37%
251	ALABAMA	515	290	56.31%
252	NORTH CAROLINA	443	276	62.30%
253	WASHINGTON	220	94	42.73%
254	TEXAS	539	333	61.78%
256/938	ALABAMA	938	542	57.78%
260	INDIANA	331	149	45.02%
262	WISCONSIN	312	210	67.31%
269	MICHIGAN	457	183	40.04%
270/364	KENTUCKY	465	315	67.74%
272/570	PENNSYLVANIA	850	688	80.94%
274/920	WISCONSIN	320	242	75.63%
276	VIRGINIA	343	200	58.31%
279/916	CALIFORNIA	376	278	73.94%
281/346/713/832	TEXAS	1,675	1,067	63.70%
283/513	OHIO	420	261	62.14%
302	DELAWARE	305	172	56.39%
303/720/983	COLORADO	387	181	46.77%
304/681	WEST VIRGINIA	1,096	481	43.89%
305/645/786	FLORIDA	1,247	693	55.57%
307	WYOMING	219	171	78.08%
308	NE	202	103	50.99%
309/861	ILLINOIS	321	247	76.95%
310/424	CALIFORNIA	450	224	49.78%
312/872	ILLINOIS	70	41	58.57%
313	MICHIGAN	280	151	53.93%
314/557	MISSOURI	526	331	62.93%
315/680	NEW YORK	580	404	69.66%
316	KANSAS	243	164	67.49%
317/463	INDIANA	370	240	64.86%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
318	LOUISIANA	469	291	62.05%
319	IOWA	198	134	67.68%
320	MINNESOTA	245	153	62.45%
321	FLORIDA	321	183	57.01%
321/407/689	FLORIDA	794	451	56.80%
324/904	FLORIDA	497	335	67.40%
325	TEXAS	381	222	58.27%
326/937	OHIO	458	202	44.10%
327/870	ARKANSAS	326	149	45.71%
329/845	NEW YORK	836	419	50.12%
331/630	ILLINOIS	278	195	70.14%
334	ALABAMA	670	375	55.97%
336/743	NORTH CAROLINA	725	302	41.66%
337	LOUISIANA	364	287	78.85%
339/781	MASSACHUSETTS	451	291	64.52%
341/510	CALIFORNIA	262	172	65.65%
347/718/917/929	NEW YORK	1,855	805	43.40%
351/978	MASSACHUSETTS	450	300	66.67%
352	FLORIDA	536	380	70.90%
353/608	WISCONSIN	405	203	50.12%
360/564	WASHINGTON	453	193	42.60%
361	TEXAS	345	238	68.99%
363/516	NEW YORK	485	252	51.96%
369/707	CALIFORNIA	400	288	72.00%
380/614	OHIO	403	267	66.25%
385/801	UTAH	840	466	55.48%
386	FLORIDA	367	230	62.67%
401	RHODE ISLAND	368	210	57.07%
402/531	NEBRASKA	636	332	52.20%
404/470/678/943	GEORGIA	359	212	59.05%
405/572	OKLAHOMA	371	217	58.49%
406	MONTANA	384	168	43.75%
408/669	CALIFORNIA	305	197	64.59%
409	TEXAS	427	237	55.50%
410/443/667	MARYLAND	959	621	64.75%
412/878	PENNSYLVANIA	356	178	50.00%
413	MASSACHUSETTS	288	204	70.83%
414	WISCONSIN	142	63	44.37%
415/628	CALIFORNIA	259	166	64.09%
417	MISSOURI	200	143	71.50%
419/567	OHIO	749	517	69.03%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
423	TENNESSEE	605	300	49.59%
425	WA	221	91	41.18%
430/903	TEXAS	681	456	66.96%
432	TEXAS	249	166	66.67%
434	VIRGINIA	326	232	71.17%
435	UTAH	181	125	69.06%
436/440	OHIO	328	144	43.90%
442/760	CALIFORNIA	754	449	59.55%
448/850	FLORIDA	651	448	68.82%
458/541	OREGON	446	291	65.25%
464/708	ILLINOIS	562	358	63.70%
470/678/770/943	GEORGIA	906	473	52.21%
472/910	NORTH CAROLINA	596	392	65.77%
478	GEORGIA	347	220	63.40%
479	ARKANSAS	501	296	59.08%
480/602/623	ARIZONA	495	251	50.70%
484/610/835	PENNSYLVANIA	839	438	52.21%
501	ARKANSAS	187	122	65.24%
502	KENTUCKY	511	278	54.40%
503/971	OREGON	530	366	69.06%
504	LOUISIANA	211	139	65.88%
505	NEW MEXICO	452	229	50.66%
507	MINNESOTA	453	255	56.29%
508/774	MASSACHUSETTS	569	346	60.81%
509	WASHINGTON	303	131	43.23%
512/737	TEXAS	582	334	57.39%
515	IOWA	212	151	71.23%
517	MICHIGAN	291	140	48.11%
518/838	NEW YORK	476	302	63.45%
520	ARIZONA	803	315	39.23%
530	CALIFORNIA	507	389	76.73%
534/715	WISCONSIN	428	290	67.76%
539/918	OKLAHOMA	361	226	62.60%
540/826	VIRGINIA	610	284	46.56%
559	CALIFORNIA	430	342	79.53%
561/728	FLORIDA	779	479	61.49%
562	CALIFORNIA	325	205	63.08%
563	IOWA	109	65	59.63%
571/703	VIRGINIA	785	501	63.82%
574	INDIANA	185	112	60.54%
575	NEW MEXICO	212	143	67.45%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
580	OKLAHOMA	190	123	64.74%
582/814	PENNSYLVANIA	529	390	73.72%
585	NEW YORK	332	249	75.00%
586	MICHIGAN	174	81	46.55%
601/769	MISSISSIPPI	624	443	70.99%
603	NEW HAMPSHIRE	419	248	59.19%
605	SOUTH DAKOTA	173	95	54.91%
606	KENTUCKY	330	235	71.21%
607	NEW YORK	632	321	50.79%
609/640	NEW JERSEY	597	324	54.27%
612	MINNESOTA	194	102	52.58%
615/629	TENNESSEE	510	319	62.55%
616	MICHIGAN	298	124	41.61%
617/857	MASSACHUSETTS	331	179	54.08%
618/730	ILLINOIS	703	487	69.27%
619/858	CALIFORNIA	494	323	65.38%
620	KANSAS	139	91	65.47%
624/716	NEW YORK	315	169	53.65%
626	CALIFORNIA	326	192	58.90%
631/934	NEW YORK	563	244	43.34%
636	MISSOURI	203	136	67.00%
641	IOWA	189	67	35.45%
650	CALIFORNIA	161	82	50.93%
651	MINNESOTA	166	84	50.60%
656/813	FLORIDA	501	328	65.47%
657/714	CALIFORNIA	1,087	667	61.36%
660	MISSOURI	194	139	71.65%
661	CALIFORNIA	344	268	77.91%
662	MISSISSIPPI	379	342	90.24%
682/817	TEXAS	571	387	67.78%
686/804	VIRGINIA	324	175	54.01%
701	NORTH DAKOTA	393	151	38.42%
702/725	NEVADA	480	335	69.79%
704/980	NORTH CAROLINA	830	442	53.25%
706/762	GEORGIA	889	516	58.04%
712	IOWA	270	132	48.89%
719	COLORADO	476	348	73.11%
724/878	PENNSYLVANIA	485	281	57.94%
727	FLORIDA	233	137	58.80%
731	TENNESSEE	297	180	60.61%
732/848	NEW JERSEY	588	295	50.17%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
734	MICHIGAN	280	136	48.57%
747/818	CALIFORNIA	432	260	60.19%
754/954	FLORIDA	341	200	58.65%
757/948	VIRGINIA	467	220	47.11%
763	MINNESOTA	189	106	56.08%
765	INDIANA	524	322	61.45%
772	FLORIDA	226	141	62.39%
773/872	ILLINOIS	404	258	63.86%
775	NEVADA	302	221	73.18%
779/815	ILLINOIS	566	369	65.19%
785	KANSAS	204	123	60.29%
787/939	PUERTO RICO	398	203	51.01%
802	VERMONT	167	128	76.65%
803/839	SOUTH CAROLINA	841	579	68.85%
805/820	CALIFORNIA	480	309	64.38%
806	TEXAS	355	203	57.18%
808	HAWAII	378	226	59.79%
810	MICHIGAN	286	130	45.45%
812/930	INDIANA	793	421	53.09%
816/975	MISSOURI	400	272	68.00%
828	NORTH CAROLINA	679	441	64.95%
830	TEXAS	383	243	63.45%
831	CALIFORNIA	186	129	69.35%
840/909	CALIFORNIA	463	308	66.52%
843/854	SOUTH CAROLINA	695	384	55.25%
856	NEW JERSEY	465	225	48.39%
859	KENTUCKY	317	217	68.45%
860/959	CONNECTICUT	408	274	67.16%
862/973	NEW JERSEY	660	273	41.36%
863	FLORIDA	365	220	60.27%
864	SOUTH CAROLINA	652	382	58.59%
865	TENNESSEE	251	162	64.54%
901	TENNESSEE	180	130	72.22%
906	MICHIGAN	116	50	43.10%
907	ALASKA	120	62	51.67%
908	NEW JERSEY	381	174	45.67%
912	GEORGIA	886	451	50.90%
913	KANSAS	193	112	58.03%
914	NEW YORK	440	193	43.86%
915	TEXAS	212	130	61.32%
919/984	NORTH CAROLINA	697	356	51.08%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
925	CALIFORNIA	228	169	74.12%
928	ARIZONA	309	199	64.40%
931	TENNESSEE	271	184	67.90%
936	TEXAS	318	206	64.78%
940	TEXAS	215	180	83.72%
941	FLORIDA	339	221	65.19%
949	CALIFORNIA	374	229	61.23%
951	CALIFORNIA	440	301	68.41%
952	MINNESOTA	121	40	33.06%
956	TEXAS	513	252	49.12%
970	COLORADO	409	249	60.88%
979	TEXAS	309	165	53.40%
985	LOUISIANA	310	174	56.13%
989	MICHIGAN	441	244	55.33%
Grand Total		106,785	63,266	59.24%

Table 5-2 shows the thousands-blocks forecasted versus actual thousands-block assignments by percentage assigned, from lowest to highest, in each NPA or NPA Complex. The Minnesota 952 NPA had the lowest percentage of thousands-blocks forecasted compared to total thousands-blocks assigned, at 33.06%, while the Mississippi 662 NPA had the highest ratio at 90.24%.

Table 5-2
Forecasted versus Actual Thousands-block Assignments by Percent Assigned
Listed from Lowest to Highest

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
952	MINNESOTA	121	40	33.06%
641	IOWA	189	67	35.45%
701	NORTH DAKOTA	393	151	38.42%
520	ARIZONA	803	315	39.23%
269	MICHIGAN	457	183	40.04%
425	WASHINGTON	221	91	41.18%
862/973	NEW JERSEY	660	273	41.36%
616	MICHIGAN	298	124	41.61%
336/743	NORTH CAROLINA	725	302	41.66%
360/564	WASHINGTON	453	193	42.60%
253	WASHINGTON	220	94	42.73%
906	MICHIGAN	116	50	43.10%
509	WASHINGTON	303	131	43.23%
631/934	NEW YORK	563	244	43.34%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
347/718/917/929	NEW YORK	1855	805	43.40%
406	MONTANA	384	168	43.75%
914	NEW YORK	440	193	43.86%
304/681	WEST VIRGINIA	1096	481	43.89%
436/440	OHIO	328	144	43.90%
326/937	OHIO	458	202	44.10%
414	WISCONSIN	142	63	44.37%
260	INDIANA	331	149	45.02%
810	NEW YORK	286	130	45.45%
908	NEW JERSEY	381	174	45.67%
327/870	ARKANSAS	326	149	45.71%
586	MICHIGAN	174	81	46.55%
540/826	VIRGINIA	610	284	46.56%
220/740	OHIO	797	372	46.68%
303/720/983	COLORADO	387	181	46.77%
757/948	VIRGINIA	467	220	47.11%
517	MICHIGAN	291	140	48.11%
856	NEW JERSEY	465	225	48.39%
734	MICHIGAN	280	136	48.57%
712	IOWA	270	132	48.89%
956	TEXAS	513	252	49.12%
203/475	CONNECTICUT	448	221	49.33%
214/469/945/972	TEXAS	1112	549	49.37%
423	TENNESSEE	605	300	49.59%
310/424	CALIFORNIA	450	224	49.78%
412/878	PENNSYLVANIA	356	178	50.00%
329/845	NEW YORK	836	419	50.12%
234/330	OHIO	816	409	50.12%
353/608	WISCONSIN	405	203	50.12%
732/848	NEW JERSEY	588	295	50.17%
651	MINNESOTA	166	84	50.60%
239	FLORIDA	470	238	50.64%
505	NEW MEXICO	452	229	50.66%
480/602/623	ARIZONA	495	247	50.70%
212/332/646/917	NEW YORK	546	277	50.73%
607	NEW YORK	632	321	50.79%
912	GEORGIA	886	451	50.90%
650	CALIFORNIA	161	82	50.93%
308	NEBRASKA	202	103	50.99%
787/939	PUERTO RICO	398	203	51.01%
919/984	NORTH CAROLINA	697	356	51.08%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
907	ALASKA	120	62	51.67%
363/516	NEW YORK	485	252	51.96%
229	GEORGIA	853	444	52.05%
402/531	NEBRASKA	636	332	52.20%
484/610/835	PENNSYLVANIA	839	438	52.21%
470/678/770/943	GEORGIA	906	473	52.21%
612	MINNESOTA	194	102	52.58%
812/930	INDIANA	793	421	53.09%
704/980	NORTH CAROLINA	830	442	53.25%
979	TEXAS	309	165	53.40%
624/716	NEW YORK	315	169	53.65%
201/551	NEW JERSEY	471	253	53.72%
313	MICHIGAN	280	151	53.93%
686/804	VIRGINIA	324	175	54.01%
617/857	MASSACHUSETTS	331	179	54.08%
609/640	NEW JERSEY	597	324	54.27%
502	KENTUCKY	511	278	54.40%
219	INDIANA	363	199	54.82%
605	SOUTH DAKOTA	173	95	54.91%
224/847	ILLINOIS	736	405	55.03%
843/854	SOUTH CAROLINA	695	384	55.25%
989	MICHIGAN	441	244	55.33%
385/801	UTAH	840	466	55.48%
409	TEXAS	427	237	55.50%
305/645/786	FLORIDA	1247	693	55.57%
334	ALABAMA	670	375	55.97%
763	MINNESOTA	189	106	56.08%
985	LOUISIANA	310	174	56.13%
507	MINNESOTA	453	255	56.29%
251	ALABAMA	515	290	56.31%
302	DELAWARE	305	172	56.39%
207	MAINE	240	136	56.67%
321/407/689	FLORIDA	794	451	56.80%
321	FLORIDA	321	183	57.01%
401	RHODE ISLAND	368	210	57.07%
806	TEXAS	355	203	57.18%
512/737	TEXAS	582	334	57.39%
256/938	ALABAMA	938	542	57.78%
724/878	PENNSYLVANIA	485	281	57.94%
913	KANSAS	193	112	58.03%
706/762	GEORGIA	889	516	58.04%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
325	TEXAS	381	222	58.27%
276	VIRGINIA	343	200	58.31%
405/572	OKLAHOMA	371	217	58.49%
312/872	ILLINOIS	70	41	58.57%
864	SOUTH CAROLINA	652	382	58.59%
754/954	FLORIDA	341	200	58.65%
727	FLORIDA	233	137	58.80%
626	CALIFORNIA	326	192	58.90%
404/470/678/943	GEORGIA	359	212	59.05%
479	ARKANSAS	501	296	59.08%
603	NEW HAMPSHIRE	419	248	59.19%
442/760	CALIFORNIA	754	449	59.55%
563	IOWA	109	65	59.63%
808	HAWAII	378	226	59.79%
747/818	CALIFORNIA	432	260	60.19%
863	FLORIDA	365	220	60.27%
785	KANSAS	204	123	60.29%
574	INDIANA	185	112	60.54%
731	TENNESSEE	297	180	60.61%
508/774	MASSACHUSETTS	569	346	60.81%
970	COLORADO	409	249	60.88%
215/267/445	PENNSYLVANIA	802	491	61.22%
949	CALIFORNIA	374	229	61.23%
915	TEXAS	212	130	61.32%
657/714	CALIFORNIA	1087	667	61.36%
231	MICHIGAN	220	135	61.36%
765	INDIANA	524	322	61.45%
561/728	FLORIDA	779	479	61.49%
254	TEXAS	539	333	61.78%
225	LOUISIANA	394	244	61.93%
318	LOUISIANA	469	291	62.05%
283/513	OHIO	420	261	62.14%
252	NORTH CAROLINA	443	276	62.30%
772	FLORIDA	226	141	62.39%
320	MINNESOTA	245	153	62.45%
615/629	TENNESSEE	510	319	62.55%
539/918	OKLAHOMA	361	226	62.60%
386	FLORIDA	367	230	62.67%
218	MINNESOTA	260	163	62.69%
314/557	MISSOURI	526	331	62.93%
562	CALIFORNIA	325	205	63.08%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
248/947	MICHIGAN	374	237	63.37%
478	GEORIGIA	347	220	63.40%
518/838	NEW YORK	476	302	63.45%
830	TEXAS	383	243	63.45%
464/708	ILLINOIS	562	358	63.70%
281/346/713/832	TEXAS	1675	1067	63.70%
571/703	VIRGINIA	785	501	63.82%
773/872	ILLINOIS	404	258	63.86%
415/628	CALIFORNIA	259	166	64.09%
805/820	CALIFORNIA	480	309	64.38%
928	ARIZONA	309	199	64.40%
339/781	MASSACHUSETTS	451	291	64.52%
865	TENNESSEE	251	162	64.54%
408/669	CALIFORNIA	305	197	64.59%
580	OKLAHOMA	190	123	64.74%
410/443/667	MARYLAND	959	621	64.75%
227/240/301	MARYLAND	914	592	64.77%
936	TEXAS	318	206	64.78%
317/463	INDIANA	370	240	64.86%
828	NORTH CAROLINA	679	441	64.95%
223/717	PENNSYLVANIA	646	420	65.02%
941	FLORIDA	339	221	65.19%
779/815	ILLINOIS	566	369	65.19%
501	ARKANSAS	187	122	65.24%
458/541	OREGON	446	291	65.25%
205/659	ALABAMA	620	405	65.32%
619/858	CALIFORNIA	494	323	65.38%
620	KANSAS	139	91	65.47%
656/813	FLORIDA	501	328	65.47%
202/771	DISTRICT OF COLUMBIA	462	303	65.58%
341/510	CALIFORNIA	262	172	65.65%
472/910	NORTH CAROLINA	596	392	65.77%
504	LOUISIANA	211	139	65.88%
380/614	OHIO	403	267	66.25%
840/909	CALIFORNIA	463	308	66.52%
351/978	MASSACHUSETTS	450	300	66.67%
432	TEXAS	249	166	66.67%
430/903	TEXAS	681	456	66.96%
636	MISSOURI	203	136	67.00%
860/959	CONNECTICUT	408	274	67.16%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
262	WISCONSIN	312	210	67.31%
324/904	FLORIDA	497	335	67.40%
575	NEW MEXICO	212	143	67.45%
316	KANSAS	243	164	67.49%
208/986	IDAHO	457	309	67.61%
319	IOWA	198	134	67.68%
270/364	KENTUCKY	465	315	67.74%
534/715	WISCONSIN	428	290	67.76%
682/817	TEXAS	571	387	67.78%
931	TENNESSEE	271	184	67.90%
816/975	MISSOURI	400	272	68.00%
951	CALIFORNIA	440	301	68.41%
859	KENTUCKY	317	217	68.45%
206	WASHINGTON	153	105	68.63%
448/850	FLORIDA	651	448	68.82%
803/839	SOUTH CAROLINA	841	579	68.85%
361	TEXAS	345	238	68.99%
419/567	OHIO	749	517	69.03%
503/971	OREGON	530	366	69.06%
435	UTAH	181	125	69.06%
618/730	ILLINOIS	703	487	69.27%
831	CALIFORNIA	186	129	69.35%
315/680	NEW YORK	580	404	69.66%
702/725	NEVADA	480	335	69.79%
213/323	CALIFORNIA	643	450	69.98%
331/630	ILLINOIS	278	195	70.14%
228	MISSISSIPPI	225	158	70.22%
216	OHIO	111	78	70.27%
209/350	CALIFORNIA	473	334	70.61%
413	MASSACHUSETTS	288	204	70.83%
352	FLORIDA	536	380	70.90%
601/769	MISSISSIPPI	624	443	70.99%
434	VIRGINIA	326	232	71.17%
606	KENTUCKY	330	235	71.21%
515	IOWA	212	151	71.23%
417	MISSOURI	200	143	71.50%
660	MISSOURI	194	139	71.65%
369/707	CALIFORNIA	400	288	72.00%
235/573	MISSOURI	653	471	72.13%
901	TENNESSEE	180	130	72.22%
719	COLORADO	476	348	73.11%

NPA COMPLEX	STATE	BLOCKS FORECASTED	BLOCKS ASSIGNED	PERCENTAGE ASSIGNED
775	NEVADA	302	221	73.18%
582/814	PENNSYLVANIA	529	390	73.72%
279/916	CALIFORNIA	376	278	73.94%
925	CALIFORNIA	228	169	74.12%
210/726	TEXAS	418	313	74.88%
585	NEW YORK	332	249	75.00%
274/920	WISCONSIN	320	242	75.63%
217/447	ILLINOIS	680	515	75.74%
802	VERMONT	167	128	76.65%
530	CALIFORNIA	507	389	76.73%
309/861	ILLINOIS	321	247	76.95%
661	CALIFORNIA	344	268	77.91%
307	WYOMING	219	171	78.08%
337	LOUISIANA	364	287	78.85%
559	CALIFORNIA	430	342	79.53%
272/570	PENNSYLVANIA	850	688	80.94%
940	TEXAS	215	180	83.72%
662	MISSISSIPPI	379	342	90.24%
Grand Total		106,785	63,266	59.24%

For the past five years, the highest percentage of forecasted to actual assigned thousands-blocks was 67.4% in 2021 and the lowest of 45.40% was in 2019.

Table 5-3 and Figure 11 below show the ten NPA complexes with the most blocks forecasted and Table 5-4 and Figure 12 show the ten NPA complexes with the most blocks assigned in 2023.

**Table 5-3
Ten NPA Complexes With the Highest Number of Blocks Forecasted in 2023**

NPA COMPLEX	STATE	BLOCKS FORECASTED
347/718/917/929	NEW YORK	1,855
281/346/713/832	TEXAS	1,675
305/645/786	FLORIDA	1,247
214/469/945/972	TEXAS	1,112
304/681	WEST VIRGINIA	1,096
657/714	CALIFORNIA	1,087
410/443/667	MARYLAND	959
256/938	ALABAMA	938
227/240/301	MARYLAND	914
470/678/770/943	GEORGIA	906

Following is Figure 11, showing the ten State/NPA complexes with highest number of blocks forecasted in 2023.

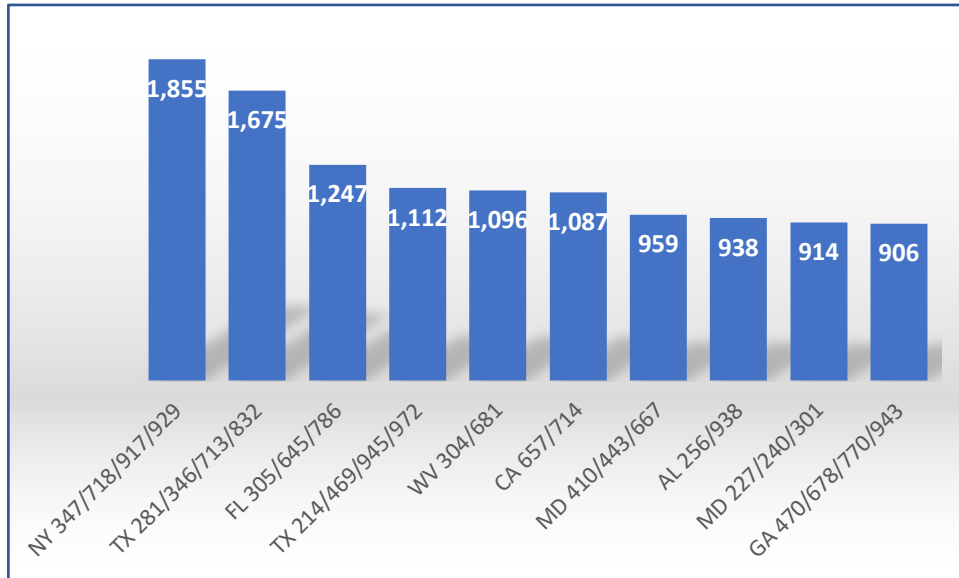


Figure 11: Ten State/NPA Complexes with the highest number of blocks forecasted in 2023

**Table 5-4
Ten NPA Complexes With Highest Number of Blocks Assigned in 2023**

NPA COMPLEX	STATE	BLOCKS ASSIGNED
281/346/713/832	TEXAS	1,067
347/718/917/929	NEW YORK	805
305/645/786	FLORIDA	693
272/570	PENNSYLVANIA	688
657/714	CALIFORNIA	667
410/443/667	MARYLAND	621
227/240/301	MARYLAND	592
803/839	SOUTH CAROLINA	579
214/469/945/972	TEXAS	549
256/938	ALABAMA	542

Following is Figure 12, showing the ten State/NPA complexes with highest number of blocks assigned in 2023.

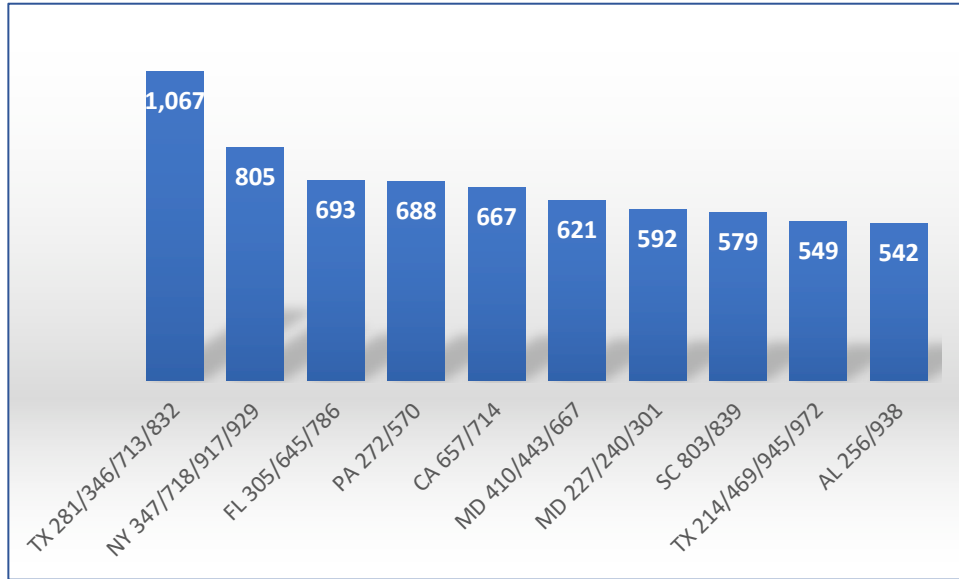


Figure 12: Ten State/NPA Complexes with the highest number of blocks assigned in 2023

6 DESCRIPTION AND STATUS OF NON-GEOGRAPHIC RESOURCES ACTIVITY

Non-Geographic Resources include CICs, 5XX, 900, 555, N11, ANI II digits and VSCs. This section describes each of these resources including details about activities in 2023.

6.1 CARRIER IDENTIFICATION CODES

CICs are four-digit codes used to route and bill telephone traffic. 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. NANPA also assigns FG D CICs to switchless resellers without the requirement to purchase FG D trunk access before applying for a CIC. Finally, billing and collection clearinghouses (B&C Clearinghouses) are allowed to obtain FG D and matching FG B CICs by ordering direct FG D trunk access and FG B translation service before applying for the CICs.

In the U.S., all applicants apply to NANPA directly through NAS for CIC assignments. NANPA assigns CICs in accordance with the ATIS INC *Carrier Identification Code (CIC) Assignment Guidelines*. If the CIC applicant is a service provider or interconnected VoIP provider, it must provide to NANPA evidence that demonstrates the service provider has authorization to provide service by the appropriate regulatory authority in support of their CIC application. If the applicant is a switchless reseller, it must provide NANPA with documentation that validates switchless reseller status. State regulatory commission authorization is required unless the state does not issue switchless reseller authorization. If the state does not issue such authorization, a written statement by an officer of the applicant company will be accepted to verify switchless reseller status. If the applicant is a B&C Clearinghouse, it must provide NANPA with documentation that validates the applicant's B&C Clearinghouse status. In Canada, companies apply for CICs to the CNA, who verifies that Canadian regulatory requirements have been met. The CNA then submits the application to NANPA via NAS on behalf of the applicant.

In 2023, the CIC Assignment Guidelines required access providers, entities, and B&C Clearinghouses to provide CIC access and usage information to NANPA via the Semi-Annual CIC Report. Information contained in these reports serves as the basis for NANPA's CIC reclamation efforts. If entities fail to submit an entity report and no access provider reports access and/or usage for a given CIC, NANPA initiates reclamation procedures. These reports demonstrate whether access and/or usage are being used in accordance with the CIC Assignment Guidelines.

6.1.1 CIC DATA INTEGRITY

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 the CIC assignment information. NANPA continues to send notifications in an

effort to work with the industry to maintain the accuracy of the CIC assignment information.

6.1.2 FG D CIC ACTIVITY

During 2023, NANPA assigned four new FG D CICs and 38 FG D CICs were returned. At the end of 2023, 1,678 FG D CICs are assigned in total, leaving 8,099 FG D CICs available for assignment. The potential exhaust of the FG D CIC resource is not a concern based on the current rate of assignment and the current FCC limit of two FG D CICs per Entity.

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

NANPA identifies FG D CICs as abandoned when CICs are assigned to companies no longer in business, companies that have sold assets to other entities or companies that have been acquired by other entities through mergers/acquisitions and have not submitted updated information to NANPA. During 2023, NANPA reclaimed 50 FG D CICs.

6.1.3 FG B CIC ACTIVITY

In 2023, no FG B CICs were assigned and 19 FG B CICs were returned. At the end of 2023, there are 138 assigned FG B CICs in total, leaving 8,662 FG B CICs available for assignment. The potential exhaust of the FG B CIC resource is not a concern based on the current rate of assignment.

There are 200 FG B CIC codes that are not available for assignment. These include CICs 9000-9199, which are available to all carriers for intra-network use only.

NANPA identifies FG B CICs as abandoned when CICs are assigned to companies no longer in business, companies that have sold assets to other entities or companies that have been acquired by other entities through mergers/acquisitions and have not submitted updated information to NANPA. During 2023, NANPA reclaimed 19 FG B CICs.

6.2 RESOURCE REPORT—5XX-NXX CODES

5XX-NXX codes are used for applications which are non-geographic in nature, are not assigned to rate centers and may or may not utilize the Public Switched Telephone Network (PSTN) but do require an E.164 addressing scheme. The use of this NANP numbering resource is to communicate with both fixed and mobile devices, some of which may be unattended. This resource may also be used for applications enabling machines, which would include but not be limited to wireless devices and appliances, with the ability to share information with back-office control and database systems and the people that use them. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider.

NANPA assigns 5XX-NXX codes in accordance with the ATIS INC *Non-Geographic 5XX-NXX Code Assignment Guidelines*. It should be noted that the 5XX resource is not portable.

There were 15 5XX NPAs in-service at the end of 2023: NPAs 500, 521, 522, 533, 544, 566, 577, 588, 523, 524, 525, 526, 527, 528, 529 NXXs.

During 2023, NANPA assigned 969 new 5XX-NXX codes compared to 1,555 assigned in 2022 and 1,008 5XX-NXX codes were returned compared to 80 in 2022

As of December 31, 2023, 664 5XX-NXX codes are available for assignment and 11,352 5XX-NXX codes are assigned. The 5XX-911 code may not be assigned as 5XX-NXX codes. In total, there are 15 5XX-NXX codes (5XX-911) that are not available for assignment.

There are 17 reserved 5XX NPAs: 538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546 and 558. On May 25, 2023, NANPA announced in Planning Letter-615 that the 532 NPA was assigned and will be used as the next 5XX NPA.

NANPA continues to provide information concerning assignments, updates, and reclamations for inclusion in the LERG™ Routing Guide.¹⁶

6.3 RESOURCE REPORT—900-NXX CODES

900 numbers are used for premium services, with the cost of each 900 call billed to the calling party. NANPA assigns these numbers to premium service providers in accordance with the ATIS INC *9YY NXX Code Assignment Guidelines*. NANPA does not provide or bill for 900 service.

There was one 900-NXX code assigned and none were returned in 2023. There were 49 900-NXX codes that were unavailable for assignment, this includes eight 900-N11 codes and 41 900-NXX codes reserved for Canadian use.

As of December 31, 2023, there are 49 900-NXXs assigned and 702 900-NXX codes available for assignment. 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 for inclusion in the LERG™ Routing Guide.¹⁷

6.4 RESOURCE REPORT—555 LINE NUMBERS

¹⁶ iconectiv® and Common Language® are registered trademarks and CLCI™, CLLI™, LERG™ Routing Guide and TPM™ Data Source are trademarks and the Intellectual Property of iconectiv®, LLC

¹⁷ iconectiv® and Common Language® are registered trademarks and CLCI™, CLLI™, LERG™ Routing Guide and TPM™ Data Source are trademarks and the Intellectual Property of iconectiv®, LLC

555 numbers were made available starting in 1994 for the purpose of reaching a wide variety of information services. Although nearly 8,000 555 line numbers were assigned, these numbers were not placed into service. In May 2016, the INC determined that the purpose for which this resource was intended had been accommodated by other information/communication technologies.

As a result, INC created the *555 NXX Line Number Reference Document, ATIS- 0300115* and agreed to sunset the *555 NXX Assignment Guidelines, ATIS 0300048*. The FCC approved this decision in September 2016.

All 555 line numbers have been returned to the inventory of NANPA resources except the following that remain in use:

- 555-1212 Directory Assistance National use
- 555-4334 Assigned National use

The fictitious, non-working numbers, 555-0100 through 555-0199, remain reserved for entertainment/advertising use.

6.5 RESOURCE REPORT—THREE-DIGIT ABBREVIATED CODES

Approved three-digit abbreviated codes, including N11 and 988, are listed with their descriptions in Table 6-1. The FCC administers N11 codes in the U.S. pursuant to the Telecommunications Act of 1996. The Canadian Radio-television and Telecommunications Commission (CRTC) administers N11 codes in Canada. It should be noted that 411 and 611, although long used for the purposes indicated in the table, have not been formally assigned by the FCC in the U.S. at this time.

In 2020, the FCC authorized the use of the 988 three-digit abbreviated code to access the 988 Suicide & Crisis Lifeline went into service in 2022. These are the only three-digit telephone numbers in the NANP.

Table 6-1
Abbreviated Code Assignments

ABBREVIATED 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 Triage Services (Canada)
911	Emergency

ABBREVIATED CODE	DESCRIPTION
988	Suicide & Crisis Lifeline

6.6 RESOURCE REPORT—AUTOMATIC NUMBER IDENTIFICATION II (ANI II) DIGITS

ANI 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.

NANPA assigns these numbers in accordance with the ATIS INC *Automatic Number Identification (ANI) Information Digits Codes*. 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.

No ANI II digit assignments were made in 2023. Table 6-2 contains the list of ANI II digit assignments.

Table 6-2
ANI II Digit Pair Assignments

DIGIT PAIR	DESCRIPTION
00	POTS - non-coin service requiring no special treatment
01	Multiparty line (more than 2) - ANI cannot be provided on 4 or 8 party lines. The presence of this 01 code will cause an Operator Number Identification (ONI) function to be performed at the distant location. The ONI feature routes the call to a CAMA operator or to an Operator Services System (OSS) for determination of the calling number.
02	ANI Failure - the originating switching system indicates (by the 02 code), to the receiving office that the calling station has not been identified. If the receiving switching system routes the call to a CAMA or Operator Services System, the calling number may be verbally obtained and manually recorded. If manual operator identification is not available, the receiving switching system (e.g., an interLATA carrier without operator capabilities) may reject the call.
03-05	Unassigned
06	Station Level Rating - The 06 digit pair is used when the customer has subscribed to a class of service in order to be provided with real time billing information. For example, hotel/motels, served by PBXs, receive detailed billing information, including the calling party's room number. When the originating switching system does not receive the detailed billing information, e.g., room number, this 06 code allows the call to be routed to an operator or operator services system to obtain complete billing information. The rating and/or billing information is then provided to the service subscriber. This code is used only when the directory number (DN) is not accompanied by an automatic room/account identification.
07	Special Operator Handling Required - calls generated from stations that require further operator or Operator Services System screening are accompanied by the 07 code. The code is used to route the call to an operator or Operator Services

DIGIT PAIR	DESCRIPTION
	System for further screening and to determine if the station has a denied/originating class of service or special routing/billing procedures. If the call is unauthorized, the calling party will be routed to a standard intercept message.
08-09	Unassigned
10	Not assignable - conflict with 10X test code
11	Unassigned
12-19	Not assignable - conflict with international out-pulsing code
20	Automatic Identified Outward Dialing (AIOD) - without AIOD, the billing number for a PBX is the same as the PBX Directory Number (DN). With the AIOD feature, the originating line number within the PBX is provided for charging purposes. If the AIOD number is available when ANI is transmitted, code 00 is sent. If not, the PBX DN is sent with ANI code 20. In either case, the AIOD number is included in the AMA record.
21-22	Unassigned
23	<p>Coin or Non-Coin - on calls using database access, e.g., 800, ANI II 23 is used to indicate that the coin/non-coin status of the originating line cannot be positively distinguished for ANI purposes by the SSP. The ANI II pair 23 is substituted for the II pairs which would otherwise indicate that the non-coin status is known, i.e., 00, or when there is ANI failure.</p> <p>ANI II 23 may be substituted for a valid 2-digit ANI pair on 0-800 calls. In all other cases, ANI II 23 should not be substituted for a valid 2-digit ANI II pair which is forward to an SSP from an EAEO.</p> <p>Some of the situations in which the ANI II 23 may be sent:</p> <ul style="list-style-type: none"> Calls from non-conforming end offices (CAMA or LAMA types) with combined coin/non-coin trunk groups. 0-800 Calls Type 1 Cellular Calls Calls from PBX Trunks Calls from Centrex Tie Lines
24	Code 24 identifies a toll free service call that has been translated to a POTS routable number via the toll free database that originated for any non-pay station. If the received toll free number is not converted to a POTS number, the database returns the received ANI code along with the received toll free number. Thus, Code 24 indicates that this is a toll free service call since that fact can no longer be recognized simply by examining the called address.
25	Code 25 identifies a toll free service call that has been translated to a POTS routable number via the toll free database that originated from any pay station, including inmate telephone service. Specifically, ANI II digits 27, 29, and 70 will be replaced with Code 25 under the above stated condition.
26	Unassigned
27	Code 27 identifies a line connected to a pay station which uses network provided coin control signaling. II 27 is used to identify this type of pay station line

DIGIT PAIR	DESCRIPTION
	irrespective of whether the pay station is provided by a LEC or a non-LEC. II 27 is transmitted from the originating end office on all calls made from these lines.
28	Unassigned
29	Prison/Inmate Service - the ANI II digit pair 29 is used to designate lines within a confinement/detention facility that are intended for inmate/detainee use and require outward call screening and restriction (e.g., 0+ collect only service). A confinement/detention facility may be defined as including, but not limited to, Federal, State and/or Local prisons, juvenile facilities, immigration and naturalization confinement/detention facilities, etc., which are under the administration of Federal, State, City, County, or other Governmental agencies. Prison/Inmate Service lines will be identified by the customer requesting such call screening and restriction. In those cases where private pay stations are located in confinement/detention facilities, and the same call restrictions applicable to Prison/Inmate Service required, the ANI II digit for Prison/Inmate Service will apply if the line is identified for Prison/Inmate Service by the customer.
30-32	Intercept - where the capability is provided to route intercept calls (either directly or after an announcement recycle) to an access tandem with an associated Telco Operator Services System, the following ANI codes should be used: 30 Intercept (blank) - for calls to unassigned directory number (DN) 31 Intercept (trouble) - for calls to directory numbers (DN) that have been manually placed in trouble-busy state by Telco personnel 32 Intercept (regular) - for calls to recently changed or disconnected numbers
33	Unassigned
34	Telco Operator Handled Call - after the Telco Operator Services System has handled a call for an IC, it may change the standard ANI digits to 34, before out-pulsing the sequence to the IC, when the Telco performs all call handling functions, e.g., billing. The code tells the IC that the BOC has performed billing on the call and the IC only has to complete the call.
35-39	Unassigned
40-49	Unrestricted Use - locally determined by carrier
50-51	Unassigned
52	Outward Wide Area Telecommunications Service (OUTWATS) - this service allows customers to make calls to a certain zone(s) or band(s) on a direct dialed basis for a flat monthly charge or for a charge based on accumulated usage. OUTWATS lines can dial station-to-station calls directly to points within the selected band(s) or zone(s). The LEC performs a screening function to determine the correct charging and routing for OUTWATS calls based on the customer's class of service and the service area of the call party. When these calls are routed to the interexchange carrier via a combined WATS-POTS trunk group, it is necessary to identify the WATS calls with the ANI code 52.
53-59	Unassigned
60	TRS - ANI II digit pair 60 indicates that the associated call is a TRS call delivered to a transport carrier from a TRS Provider and that the call originated from an

DIGIT PAIR	DESCRIPTION
	unrestricted line (i.e., a line for which there are no billing restrictions). Accordingly, if no request for alternate billing is made, the call will be billed to the calling line.
61	Cellular/Wireless PCS (Type 1) - The 61 digit pair is to be forwarded to the interexchange carrier by the local exchange carrier for traffic originating from a cellular/wireless PCS carrier over type 1 trunks. (Note: ANI information accompanying digit pair 61 identifies only the originating cellular/wireless PCS system, not the mobile directory placing the call.)
62	Cellular/Wireless PCS (Type 2) - The 62 digit pair is to be forwarded to the interexchange carrier by the cellular/wireless PCS carrier when routing traffic over type 2 trunks through the local exchange carrier access tandem for delivery to the interexchange carrier. (Note: ANI information accompanying digit pair 62 identifies the mobile directory number placing the call but does not necessarily identify the true call point of origin.)
63	Cellular/Wireless PCS (Roaming) - The 63 digit pair is to be forwarded to the interexchange carrier by the cellular/wireless PCS subscriber roaming in another cellular/wireless PCS network, over type 2 trunks through the local exchange carrier access tandem for delivery to the interexchange carrier. (Note: Use of 63 signifies that the called number is used only for network routing and should not be disclosed to the cellular/wireless PCS subscriber. Also, ANI information accompanying digit pair 63 identifies the mobile directory number forwarding the call but does not necessarily identify the true forwarded-call point of origin.)
64-65	Unassigned
66	TRS - ANI II digit pair 66 indicates that the associated call is a TRS call delivered to a transport carrier from a TRS Provider, and that the call originates from a hotel/motel. The transport carrier can use this indication, along with other information (e.g., whether the call was dialed 1+ or 0+) to determine the appropriate billing arrangement (i.e., bill to room or alternate bill).
67	TRS - ANI II digit pair 67 indicates that the associated call is a TRS call delivered to a transport carrier from a TRS Provider and that the call originated from a restricted line. Accordingly, sent paid calls should not be allowed and additional screening, if available, should be performed to determine the specific restrictions and type of alternate billing permitted.
68-69	Unassigned
70	Code 70 identifies a line connected to a pay station (including both coin and coinless stations) which does not use network provided coin control signaling. II 70 is used to identify this type pay station line irrespective of whether the pay station is provided by a LEC or a non-LEC. II 70 is transmitted from the originating end office on all calls made from these lines.
71-79	Unassigned
80-89	Reserved for Future Expansion to 3-digit Code
90-92	Unassigned

DIGIT PAIR	DESCRIPTION
93	Access for private virtual network types of service: the ANI code 93 indicates, to the IC, that the originating call is a private virtual network type of service call.
94	Unassigned
95	Unassigned - conflict with Test Codes 958 and 959
96-99	Unassigned

6.7 RESOURCE REPORT—VERTICAL SERVICE CODES (VSCS)

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 the ATIS INC *Vertical Service Code Assignment Guidelines*.

No VSC assignments were made in 2023. There are 63 assigned VSCs. Table 6-3 contains the list of assigned VSCs.¹⁸

Table 6-3
List of Vertical Service Codes (VSCs)

VSC CODE	DESCRIPTION
*00	Inward Voice Activated Services (English)
*01	Inward Voice Activated Services (French)
*02	Deactivation/Activation of In-Session Activation (ISA) on a per line basis
*03	Deactivation of In-Session Activation (ISA) on a per call basis
*09	Selective Call Blocking/Reporting
*2X	Reserved for expansion to 3-digit VSCs
*228	Over-the-Air Service Provisioning
*272	Access Wireless Priority Service
*3X	Reserved for expansion to 3-digit VSCs
*40	Change Forward-To Number for Customer Programmable Call Forwarding Busy Line
*41	Six-Way Conference Calling Activation
*42	Change Forward-To Number for Customer Programmable Call Forwarding Don't Answer
*43	Drop last member of Six-Way Conference Call
*44	Voice Activated Dialing
*45	Voice Dialing Extended Dial Tone
*46	French Voice Activated Network Control
*47	Override Feature Authorization

¹⁸ VSC codes *94 through *99 are reserved for future assignment.

VSC CODE	DESCRIPTION
*48	Override Do Not Disturb
*49	Long Distance Signal
*50	Voice Activated Network Control
*51	Who Called Me?
*52	Single Line Variety Package (SVP) - Call Hold
*53	Single Line Variety Package (SVP) - Distinctive Ring B
*54	Single Line Variety Package (SVP) - Distinctive Ring C
*55	Single Line Variety Package (SVP) - Distinctive Ring D
*56	Change Forward-To Number for ISDN Call Forwarding
*57	Customer Originated Trace
*58	ISDN MBKS Manual Exclusion Activation
*59	ISDN MBKS Manual Exclusion Deactivation
*60	Selective Call Rejection Activation
*61	Distinctive Ringing/Call Waiting Activation
*62	Selective Call Waiting
*63	Selective Call Forwarding Activation
*64	Selective Call Acceptance Activation
*65	Calling Number Delivery Activation
*66	Automatic Callback Activation
*67	Calling Number Delivery Blocking
*68	Call Forwarding Busy Line/Don't Answer Activation
*69	Automatic Recall Activation
*70	Cancel Call Waiting
*71	Usage Sensitive Three-way Calling
*72	Call Forwarding Activation
*73	Call Forwarding Deactivation
*74	Speed Calling 8 - Change List
*75	Speed Calling 30 - Change List
*76	Advanced Call Waiting Deluxe
*77	Anonymous Call Rejection Activation
*78	Do Not Disturb Activation
*79	Do Not Disturb Deactivation
*80	Selective Call Rejection Deactivation
*81	Distinctive Ringing/Call Waiting Deactivation
*82	Line Blocking Deactivation
*83	Selective Call Forwarding Deactivation
*84	Selective Call Acceptance Deactivation
*85	Calling Number Delivery Deactivation

VSC CODE	DESCRIPTION
*86	Automatic Callback Deactivation
*87	Anonymous Call Rejection Deactivation
*88	Call Forwarding Busy Line/Don't Answer Deactivation
*89	Automatic Recall Deactivation
*90	Customer Programmable Call Forwarding Busy Line Activation
*91	Customer Programmable Call Forwarding Busy Line Deactivation
*92	Customer Programmable Call Forwarding Don't Answer Activation
*93	Customer Programmable Call Forwarding Don't Answer Deactivation

7 DESCRIPTION AND STATUS OF P-ANI ACTIVITY

7.1 P-ANI PRODUCTIVITY

NANPA processes p-ANI¹⁹ applications, carriers' annual reports and forecasts. The forecasts are used to develop the *P-ANI Activity and Projected Exhaust Report*, which can be found in Attachment 6.

Table 7-1 describes monthly application and assignment activities including the quantity by month of requested, assigned, and change requests, as well as the number of p-ANIs returned:

Table 7-1
2023 p-ANI Monthly Performance Measurements

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Quantity of applications processed	324	256	717	122	121	9,456	29	144	84	60	91	75	11,479
Quantity of approved applications processed	323	254	717	121	120	9,456	29	136	84	60	91	75	11,466
Quantity of suspended applications processed	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity of withdrawn applications processed	0	1	0	1	1	0	0	8	0	0	0	0	11
Quantity of denied applications processed	1	1	0	0	0	0	0	0	0	0	0	0	2
Quantity of applications not processed within 5 business days	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of applications not processed within 5 business days	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity of p-ANIs requested	6,616	3,809	16,131	1,017	1,248	2,760	338	2,075	413	496	592	439	35,934
Quantity of p-ANIs assigned	6,616	3,809	16,131	1,007	1,248	2,724	338	2,075	413	496	592	439	35,888
Quantity of change requests	0	0	4	3	3	0	1	4	6	0	1	5	27
Quantity of p-ANIs returned	29	16	16	66	49	9,312	4	56	48	34	47	41	9,718
Quantity of requests to cancel	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7-2 depicts the number of applications processed by p-ANI request type.

Table 7-2
2023 Applications Processed by p-ANI Request Type

	Approved	Denied	Suspended	Withdrawn	Total
Cancel p-ANI Return Request	0	0	0	0	0

¹⁹ Non-dialable p-ANIs are used to support the routing of wireless and VoIP 9-1-1 calls, out of the 211 NXX and 511 NXX on a national basis including Puerto Rico.

	Approved	Denied	Suspended	Withdrawn	Total
P-ANI Modification Request	27	0	0	0	27
New p-ANI Request	1,721	2	0	11	1,734
P-ANI Return Request	9,718	0	0	0	9,718
Total	11,466	2	0	11	11,479

Table 7-3 is a summary of the p-ANI inventory as of December 31, 2023:

Table 7-3
2023 p-ANI Inventory

STATUS	TOTAL P-ANIs	211	511
Assigned	848,336	383,938	464,398
Aging	302	119	183
Available	6,252,048	3,157,711	3,094,337
Unavailable	19,314	18,232	1,082
TOTALS	7,120,000	3,560,000	3,560,000

7.2 OTHER ADMINISTRATOR ACTIVITIES

In addition to processing requests for p-ANI ranges, NANPA performed other functions outlined in Sections 7.2.1 through 7.2.3 during 2023.

7.2.1 ANNUAL REPORT

P-ANI Assignees are required to report to NANPA on all of their assigned p-ANI ranges via the *P-ANI Annual Report* on an annual basis. For 2023, there were 53 unique NENA ID and OCN combinations that filed an Annual Report. During this process, NANPA was able to identify p-ANI ranges that were never reported during the initial reports filing and show those p-ANI ranges as assigned. NANPA also worked with the carriers to identify p-ANI ranges that were not in use and could be returned to the available inventory as a result of this filing.

7.2.2 DUPLICATE ASSIGNMENT ISSUES

In 2023, NANPA was notified of 32 p-ANI ranges that had been assigned by the NANPA but appeared to already be in use by another carrier. NANPA worked with the affected carriers to determine if the ranges were in use or not. If the range was not being used, it was removed from the applicable routing databases by the old carrier so that the new carrier could use the range. If the range was in use, NANPA replaced the assignment with a new range, and updated RNAS to reflect the original range as assigned. NANPA also advised the carrier that reported it as being available to update its records so that the range would be

properly reflected in its next annual report. The original assignment would have occurred prior to NANPA assuming the role as administrator.

7.2.3 CUSTOMER SUPPORT

For all new p-ANI requests, a carrier must demonstrate that its company is permitted under applicable law to access p-ANI resources in the area for which the p-ANI resources are sought. If the carrier fails to provide the correct documentation with its request for p-ANIs, NANPA sends a courtesy email detailing the insufficiencies. NANPA also assists carriers who are having difficulties locating the correct documentation to help alleviate any delays in obtaining these critical resources. In 2023, NANPA sent courtesy emails for 113 requests, a slight increase from the 2022 total of 107. In addition, NANPA provided documents for two requests, which is a decrease from the 2022 total of 20 requests.

During 2023, NANPA also worked with carriers to resolve data discrepancies and continued working on reconciling duplicate assignment issues.

7.2.4 P-ANI ACTIVITY AND PROJECTED EXHAUST REPORT

The INC developed the P-ANI Administration Guidelines, which contain the following language which requires NANPA to:

- a) prepare and publish a “P-ANI Activity and Projected Exhaust Report” that includes the following information:
 1. national p-ANI utilization information.
 2. p-ANI utilization by NPA.
 3. the number of p-ANIs requested on a monthly basis.
 4. the number of p-ANIs assigned on a monthly basis.
 5. the number of p-ANIs returned on a monthly basis.
 6. the number of p-ANIs modified on a monthly basis.
 7. the number of p-ANI requests processed and the disposition of each.
 8. forecast reports for projected future p-ANI resource usage.”

The *P-ANI Activity and Projected Exhaust Report* (“Report”) can be found on the website www.nationalpani.com under REPORTS and in Attachment 6 herein.

Attachment 6 contains the required information for the January 1 through December 31, 2023, Report, and contains the following tables:

- Table A6-1 is sorted by NPA
- Table A6-2 is sorted by State
- Table A6-3 is sorted by the Exhaust Year

Table 7-4 below contains the first five NPAs that are projected to exhaust 211/511/p-ANIs as of December 31, 2023.

Table 7-4
First Five NPAs Projected to Exhaust 211/511/p-ANI

NPA	STATE	TOTAL P-ANIs	FORECASTED P-ANIs	EXHAUST YEAR
817	TEXAS	6,944	1,019	4Q2029
207	MAINE	6,889	452	1Q2045
719	COLORADO	3,696	415	2Q2055
806	TEXAS	8,188	305	3Q2055
208	IDAHO	5,938	300	4Q2063

8 NUMBERING RESOURCE UTILIZATION/FORECAST (NRUF)

NANPA is responsible for the collection and reporting of utilization and forecast data, known as NRUF Reporting. NANPA handles NRUF processing twice a year in two parts: the NRUF Thousands-Block Forecast Report and Form 502. NANPA develops the Thousands-Block/Semi-Annual Forecast NRUF utilizing thousands-block forecasts submitted by service providers. Service providers submit utilization and forecast data to NANPA for both geographic and non-geographic numbering resources. These NRUF Form 502 submissions in turn are utilized by NANPA in the development of NPA and NANP exhaust projections. NANPA collects and stores this information and provides it to the FCC and state regulators.

Service providers are required to report both CO code and thousands-block information by February 1 and August 1 of each year and may submit updates and corrections to their submissions at any time during the current reporting cycle.

8.1 NRUF/THOUSANDS-BLOCK FORECAST REPORT

On a semi-annual basis service providers are required to submit a Thousands-Block Forecast Report to NANPA for each of their unique Operating Company Numbers (OCNs) by NPA and pooled rate center, on or before February 1 for the period ending on December 31, and on or before August 1 for the period ending on June 30 of each year. This semi-annual report includes a 12-month forecast of demand for thousands-blocks by month, including a need for a CO code for an LRN and dedicated customer purposes. The data provided by the individual service providers in these forecasts is treated as confidential by NANPA. NANPA then uses this data to fulfill two TRD reporting requirements to the FCC:

- the Semi-Annual Pooling Forecast referenced in Section 13.3.5, and
- the Rate Area Inventory Pool Status Report referenced in Sections 11.5.2 and 13.3.5

During 2023, NANPA aggregated the data provided by the service providers at the rate center level for all NPAs in pooling. NANPA used this data to provide a rate center level pooling NRUF to determine if a critical industry inventory insufficiency exists within any pooled rate center. Utilizing this aggregated data, NANPA also submitted the above-referenced reports to the FCC according to the required deadlines, on February 14 and August 21.

Table 8-1 contains the thousands-block NRUF/forecast results for both semi-annual reporting periods in 2023.

**Table 8-1
Thousands-Block NRUF/Forecast Results**

Date	NPA's	Jurisdictions	Thousands- blocks Forecasted	Thousands- blocks Available	CO Codes Forecasted
February	353	52	33,063	110,785	2,983
August	358	52	33,893	113,390	2,792

8.2 NRUF FORM 502

Utilization data includes the quantity of assigned, intermediate, aging, administrative and reserved numbers. Forecast data typically is comprised of a five-year forecast of the quantity of thousands-blocks and/or CO codes by rate center. The FCC also requires access to disaggregated NRUF data by state regulators for heightened reporting enforcement, including the responsibility to withhold numbering resources from service providers that fail to file utilization and forecast reports.

NANPA collects, sorts and stores NRUF data submitted by service providers. Data may be submitted via NAS, email (i.e., Excel™), or File Transfer Protocol Format (FTP). In 2023, NANPA processed 11,759 NRUF submissions (See Table 8-2) and provided a confirmation of receipt, to include any identified errors, within seven calendar days. In addition to processing submissions, NRUF administration also responded to telephone calls and email inquiries.

Along with collecting this information, NANPA makes available to states on-line access to service-provider specific disaggregated utilization and forecast data. In addition, state reports containing NRUF information are offered to those states that desire a snapshot of utilization and forecast data for the area codes within their respective states. NANPA provided 27 reports to the state regulators, covering both NRUF submission cycles in 2023.

NANPA sent industry notifications to assist service providers with accurately filing their NRUF, approaching NRUF filing due dates, and notification of FCC orders affecting how service providers report aging numbers for the NRUF Form 502 due to circumstances presented by disaster-related events. NANPA updated NRUF information on the NANPA website to ensure that NRUF Geographic and Non-Geographic Job aids and other documentation were up-to-date. NANPA also worked closely with federal and state regulatory contacts on questions relating to service provider NRUF submissions.

8.2.1 VOLUME OF NRUF SUBMISSIONS AND ASSOCIATED ITEMS

Following is a table that illustrates the volume of NRUF submissions as well as other items tracked by NANPA that are associated with the NRUF process.

Table 8-2
Summary of the Volume of NRUF Submissions and Associated Items for 2023

MEASUREMENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Form 502 Email Submissions	2,429	236	151	33	50	18	2,401	528	46	39	25	10	5,966
Form 502 FTP Submissions	894	31	5	10	6	10	669	194	28	0	4	6	1,857
Form 502 Web Submissions	1,127	365	209	123	129	120	993	341	183	134	107	105	3,936
Total Form 502 Submissions	4,450	632	365	166	185	148	4,063	1,063	257	173	136	121	11,759
Error Notifications Sent	476	66	37	14	12	5	362	166	13	12	2	3	1,168
Missing Utilization Notifications Sent	0	282	5	0	0	0	0	300	0	0	0	0	587
Anomalous Notifications Sent	0	0	275	0	0	0	0	269	33	3	0	0	580
Confirmation Notifications Sent	2,844	201	119	29	44	23	2,691	558	61	27	27	13	6,637
State Reports Created	0	0	12	0	2	0	0	0	11	0	0	2	27

NANPA met 100% of its NRUF performance measurements in 2023 as shown in Table 8-3 below.

Table 8-3
Summary of 2023 NRUF Performance Measurements

MEASUREMENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Percentage of Form 502 Processed w/in 7 days	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Number of Form 502 Processed after 7 days	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of Missing Utilization Sent w/in 45 days	N/A	100%	100%	N/A	N/A	N/A	N/A	100%	N/A	N/A	N/A	N/A	100%
Number of Missing Utilization Not	0	0	0	0	0	0	0	0	0	0	0	0	0

MEASUREMENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Sent w/in 45 days													
Percentage of Anomalous Notifications Sent w/in 90 days	N/A	N/A	100%	N/A	N/A	N/A	N/A	100%	100%	100%	N/A	N/A	100%
Number of Anomalous Notifications Not Sent w/in 90 days	0	0	0	0	0	0	0	0	0	0	0	0	0

9 DESCRIPTION AND STATUS OF NPA RELIEF PLANNING

9.1 NPA RELIEF PLANNING OVERVIEW

NPA relief planning precedes the introduction of new geographic area codes and NANPA plays a significant role in the process. NANPA once again managed a significant number of area code relief projects in 2023.

NANPA follows the relief planning process in accordance with the ATIS INC *NPA Code Relief Planning and Notification Guidelines (Guidelines)*. NANPA's relief planners initiate NPA relief planning within 36 months prior to the anticipated exhaust of an NPA in the United States or its territories and prepares and distributes relief planning notices and documents to the Industry. During 2023, NANPA continued to streamline the relief planning process whenever possible.

9.2 RELIEF PLANNING PROCESS

Generally, NANPA facilitates an Industry meeting to consider relief options. Each NPA relief project has its own particularities, so NANPA must prepare materials for the meeting according to the needs and specific circumstances in that state and NPA. NANPA meets with appropriate state regulatory staff prior to initiating relief, to discuss the relief planning process.

In some cases, implementation for a previously approved NPA relief plan was deferred due to number conservation measures and delayed exhaust. In these cases, a trigger is set for starting relief and NANPA works with the state regulatory staff to determine how best to proceed, whether formally with a new petition or informally with a notification letter.

There are primarily two types of NPA relief projects: when there is more than one relief alternative and when an overlay is the only option.

When NANPA determines there is more than one relief alternative, NANPA prepares an Initial Planning Document (IPD). NANPA then leads the Industry in discussion resulting in a consensus decision to recommend one of the proposed relief alternatives and drafts a filing for review at a subsequent meeting. Once the Industry reviews and approves the filing, NANPA files it with the state regulator.

If NANPA determines an all-services distributed overlay is the only viable option for relief, NANPA provides a draft streamlined filing to the Industry with the meeting notice, eliminating the need for the IPD meeting. During the meeting, the Industry reviews the draft filing and develops a dialing plan, an implementation timeline, as well as customer education and technical milestones that are all submitted to the state regulatory commission for approval. The filing also generally requests that the state regulator forego in-person meetings and hearings in favor of written comments and reply comments. Once the filing is reviewed and approved by the Industry, NANPA files it with the state regulator.

NANPA has created various tools to be used during the Industry meetings to assist the Industry in reaching consensus on implementation. These tools include:

- A “Pros & Cons” table for NPA relief planning meetings, allowing the participants to view this table via the on-line meeting capability and select those pros and cons applicable to the relief alternative being discussed
- A “Customer Education and Technical Milestones” table, allowing participants to choose the milestones which will be followed during the implementation of the approved relief plan
- Dialing plans and implementation schedules that assists the Industry on information to be included in the relief filing
- Excerpts from the *Guidelines* to assist the Industry in understanding the INC criteria for relief alternatives and in making their decisions during NPA relief meetings
- An on-line meeting link in the PDF document posted in the NAS NANP Notification System (NNS), in addition to including this information in the email notice

At the beginning of each meeting, the NANPA relief planner explains the manner in which the ATIS consensus process will be applied in a uniform, impartial manner in the event participants choose to leave the call unannounced.

To expedite the meeting process, participants are notified in pre-meeting announcements that they are responsible for downloading and reviewing the documents to be discussed during the meeting. NANPA does not distribute documents while the meeting is in progress.

Once a filing is made, the state commission reviews the proposed plan and often invites public comment and/or conducts public meetings. In an attempt to solicit greater feedback from the public, states are increasingly using web options such as virtual public meetings and webinars to gather public comments in lieu of in-person public meetings. The relief planners cooperatively participate in and attend these meetings when possible, often called upon to discuss various aspects of the proposed relief plan. Details on public meetings and hearings that NANPA attended in 2023 can be found in Section 14.3.

After the state commission has approved an NPA relief plan, which is usually the one recommended by the Industry, NANPA assigns the new NPA, if applicable, then facilitates the initial implementation meeting with the Industry. NANPA uses an implementation meeting agenda template to ensure the Industry addresses all relevant activities associated with the introduction of the approved relief plan.

Using decisions made at the initial implementation meeting, the relief planner then prepares and publishes a PL on the NANPA website. The PL announces the method of relief selected, the identity of the new NPA, the schedule for relief, the dialing plan, the test number(s) for the new area code, along with a rate center map and contact information for each service provider that is a CO code and/or thousands-block holder.

In 2023, all meetings were conducted via an on-line meeting platform, allowing participants to view relevant documentation and where appropriate, make real-time updates.

Once implementation of the approved relief plan begins, NANPA attends Industry NPA committee meetings to stay informed on the progress of the implementation, as well as to provide a status of remaining numbering resources in the NPA, any changes in projected exhaust, pertinent information that may impact the implementation of the relief plan and gather and share knowledge gained via these activities from other similar relief efforts. In 2023, NANPA introduced social media postings to announce permissive and mandatory dialing and the relief NPA in-service date.

Current status reports on NPA relief projects can be found on the NANPA website. 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 expected to occur sometime in the future. NANPA provides a report that lists these events and associated activities on its website.

9.3 2023 NPA RELIEF ACTIVITIES

9.3.1 ACTIVE NPA RELIEF PROJECTS

NANPA directs the NPA relief process from the initial notification that relief is needed through the initial implementation meeting. There are many different phases to the relief planning process:

- Relief Planning Initiated Phase: NANPA has notified the state commission and Industry that relief is needed
- Pending Regulatory Decision Phase: the recommended relief plan has been determined and a filing was submitted for action by the state
- Implementation Phase: there has been a regulatory decision on a relief alternative and the implementation milestones are determined and deployed

NANPA managed 32 active NPA relief projects during 2023.

Table 9-1 shows the five relief projects where NANPA initiated the NPA relief process in 2023.

**Table 9-1
Initiated Relief in 2023
(Sorted by NPA Exhaust Date)**

STATE	NPA	FILING TYPE	DATE OF FILING	STATUS AS OF DECEMBER 31, 2023
LOUISIANA	318	Notification	N/A	Implementation
TEXAS	281/346/713/832	Petition	5/11/2023	Implementation
COLORADO	970	Petition	5/31/2023	Approved
MISSISSIPPI	662	Petition	11/16/2023	Pending

STATE	NPA	FILING TYPE	DATE OF FILING	STATUS AS OF DECEMBER 31, 2023
ALABAMA	334	Petition	12/7/2023	Pending

Table 9-2 depicts 29 relief projects in different phases of implementation during 2023. Implementation was completed in 14 of these projects during 2023. Of the remaining 15 projects, eight will be completed in 2024, six in 2025, and one is yet to be determined:

**Table 9-2
Relief Projects in the Implementation Stage in 2023
(Sorted by In-Service Date)**

STATE	NPA	REGULATORY APPROVAL DATE	NEW NPA	RELIEF TYPE	IN-SERVICE DATE	PLANNING LETTER #
NEW YORK	516	1/20/2022	363	Overlay	1/20/2023	581
CALIFORNIA	707	6/23/2022	369	Overlay	2/1/2023	599
ILLINOIS	309	11/11/2021	861	Overlay	2/24/2023	577
FLORIDA	561	1/4/2022	728	Overlay	3/10/2023	582
NEW YORK	845	4/14/2022	329	Overlay	3/24/2023	591
OHIO	513	12/15/2021	283	Overlay	4/28/2023	579
WISCONSIN	920	1/18/2022	274	Overlay	5/5/2023	593
MARYLAND	240/301	8/3/2022	227	Overlay	6/14/2023	603
ILLINOIS	618	6/17/2022	730	Overlay	7/7/2023	595
FLORIDA	305/786	2/2/2022	645	Overlay	8/4/2023	588
ARIZONA	480/602/623	11/9/2021	N/A	Boundary Elimination Overlay	8/12/2023	576
WISCONSIN	608	9/16/2022	353	Overlay	9/15/2023	605
MISSOURI	816	8/11/2021	975	Overlay	10/13/2023	597
NEW YORK	716	10/13/2022	624	Overlay	11/16/2023	607
VIRGINIA	804	11/16/2022	686	Overlay	2/1/2024	608
ARKANSAS	870	1/27/2022	327	Overlay	2/20/2024	604
FLORIDA	904	6/3/2022	324	Overlay	2/26/2024	598
OHIO	440	12/14/2022	436	Overlay	3/1/2024	610
MISSOURI	573	5/1/2022	235	Overlay	3/24/2024	596
SOUTH CAROLINA	864	9/27/2022	821	Overlay	8/19/2024	606
MINNESOTA	507	4/6/2023	924	Overlay	8/30/2024	616
CALIFORNIA	213/323	3/16/2023	738	Overlay	11/1/2024	614
TEXAS	281/346/713/832	10/12/2023	621	Overlay	1/23/2025	623
CALIFORNIA	530	6/8/2023	837	Overlay	1/31/2025	621
TENNESSEE	423	5/30/2023	729	Overlay	3/5/2025	619
WASHINGTON	206	6/15/2023	564	Overlay	6/10/2025	620
LOUISIANA	318	5/5/2023	457	Overlay	9/25/2025	617
MICHIGAN	313	5/18/2023	679	Overlay	11/7/2025	618

STATE	NPA	REGULATORY APPROVAL DATE	NEW NPA	RELIEF TYPE	IN-SERVICE DATE	PLANNING LETTER #
ARKANSAS	327/479/501/870	1/27/2022	N/A	Boundary Elimination Overlay	TBD	TBD

9.3.2 NPA RELIEF REGULATORY SUBMISSIONS

Table 9-3 shows NANPA made 14 regulatory submissions in 2023 compared to 35 in 2022.

**Table 9-3
Regulatory Submissions in 2023**

DATE	STATE	NPA/S	DESCRIPTION
January 26	CALIFORNIA	559	Application for Relief
January 27	LOUISIANA	318	Letter regarding the need to begin relief planning
February 10	LOUISIANA	318	Request to Intervene
February 16	WASHINGTON	206	Letter requesting approval to implement 206/564 overlay
March 16	CALIFORNIA	530	Response to ALJ Ruling
April 21	MICHIGAN	313	Change in Exhaust Date
May 11	TEXAS	281/346/713/832	Petition for Relief
May 31	COLORADO	970	Petition for Relief
June 1	TEXAS	281/346/713/832	Joint Response to Order #1
June 21	TEXAS	281/346/713/832	Joint Response to Order #2
July 31	ARKANSAS	870	Updated Implementation Schedule for 870/327 overlay
November 16	MISSISSIPPI	662	Petition for Relief
December 7	ALABAMA	334	Petition for Relief
December 11	COLORADO	970	Request for Issuance of Press Release

9.3.3 OTHER NPA RELIEF PLANNING TASKS

NPA Relief Planners also complete many relief planning tasks during the year as part of the relief planning process such as facilitating meetings, attending Industry meetings, attending Commission public meetings, and assisting with drafting slides and recording NPA relief informational webcasts. Details about regulatory NPA relief public meetings and hearings NANPA attended can be found in Section 14.3. Following are some other details about 2023 tasks accomplished by NANPA:

- Facilitated a total of 18 Industry meetings, via a web meeting, compared to 46 Industry meetings facilitated in 2022
- Attended 138 Industry NPA committee meetings, providing status updates as needed, compared to 115 in 2022
- Provided final webcast script and slides to the California Public Utilities Commission for the 559 NPA relief process on February 2 and recorded the webcast with Commission staff on February 7, 2023.

- Introduced social media postings for NPAs in the implementation phase of relief planning on LinkedIn, Twitter, and Facebook for the following states: New York, South Carolina, and Minnesota.

As shown in Table 9-4, 63% of the 185 NNS notifications NANPA made in 2023 were related to NPA relief issues such as meeting notices, reminder notices of relief planning meetings, notifications of regulatory filings, and draft meeting minutes. NANPA issued 116 NNS notifications relating to NPA relief in 2023, compared to 254 in 2022.

**Table 9-4
2023 NNS Notifications**

NOTIFICATION CATEGORY	NUMBER OF NOTIFICATIONS
NPA Relief Planning	116
Other Non-Geographic	27
NRUF	8
Planning Letters	15
Code Administration	4
INC Guidelines	8
Jeopardy	7
Other Geographic	0
TOTAL	185

Throughout the year, NANPA assisted numerous states concerning NPA relief planning, which included providing presentations for area code relief customer workshops and providing special reports per request from the state regulatory authorities.

9.4 NRUF EXHAUST FORECASTS

9.4.1 SEMI-ANNUAL NPA AND NANP EXHAUST PROJECTIONS

One of the primary uses for NRUF data is to support forecasting for the projected exhaust for each geographic NPA as well as the exhaust date for the 5XX NPA and the entire NANP.

The methodology used to produce the 2023 NPA exhaust projections was the same as the methodology NANPA used in the past several years to project area code exhaust. This methodology has been reviewed with the FCC. In reporting the NPA exhaust projections, NANPA provides five previously projected NPA exhaust time frames in order to view the changes that have occurred over time.

NANPA projects NPA and NANP exhaust on a semi-annual basis. The new exhaust projections were available on April 12 and October 17. The detailed projections can be found in Attachments 7, 8, and 9.

9.4.2 DELTA NRUF EXHAUST PROJECTIONS

Throughout the year NANPA monitors CO code assignment rates in all NPAs and adjusts the projected NPA exhaust date when necessary. This is known as a “Delta NRUF.” As shown in Table 9-5, NANPA issued five revised “Delta NRUF” in 2023: in March, June and September.

**Table 9-5
Delta NRUFs Released in 2023**

STATE	NPA/S	DATE NOTICE RELEASED	NRUF CYCLE	OLD EXHAUST DATE	NEW EXHAUST DATE	CHANGE IN QUARTERS
OHIO	440	3/27/2023	OCTOBER 2022	3Q2024	2Q2025	+3
TEXAS	281/346/713/832	3/27/2023	OCTOBER 2022	1Q2026	3Q2025	-2
MISSISSIPPI	662	6/30/2023	APRIL 2023	1Q2027	3Q2026	-2
CALIFORNIA	657/714	9/20/2023	APRIL 2023	3Q2026	1Q2027	+2
SOUTH DAKOTA	605	9/20/2023	APRIL 2023	3Q2026	2Q2027	+3

9.5 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.

In 2023, the number of instances of the 15 tracked NPA relief planning performance measurements decreased 57% from 152 in 2022 to 66 in 2023. As shown in Table 9-6, NANPA completed 100% of the tracked events relating to performance measurements on schedule.

**Table 9-6
2023 Relief Planning Performance Measurements**

PERFORMANCE MEASUREMENT	EVENTS	TOTAL COMPLETED ON TIME	% ON-TIME COMPLETION
Initiate relief 36 mo. prior to exhaust or max eight weeks after new forecast if < 36 mos.	5	5	100%
Two-week initial meeting notification	4	4	100%
Four-week IPD distribution prior to meeting	2	2	100%
Two-week distribution of meeting minutes	19	19	100%
Minutes review three-weeks after meeting	2	2	100%
Six-week filing of industry relief plan	6	6	100%

PERFORMANCE MEASUREMENT	EVENTS	TOTAL COMPLETED ON TIME	% ON-TIME COMPLETION
NPA assignment request one week after regulatory approval	8	8	100%
Issue press release within two weeks after NPA assignment	0	0	100%
Hold initial implementation meeting within 45 calendar days after NPA assignment	9	9	100%
Post PL on website three weeks after the initial implementation meeting	10	10	100%
Post PL or notice of industry meeting on website 14 calendar days after date of regulatory changes to previously issued PL for NPA relief	0	0	100%
Hold jeopardy meeting no later than three weeks after jeopardy declaration	0	0	100%
Distribute meeting minutes within 14 calendar days of jeopardy meeting	0	0	100%
Distribute IPD four weeks after date jeopardy was declared, if relief planning has not been initiated	0	0	100%
Hold industry relief planning meeting eight weeks after date jeopardy was declared, if relief planning has not been initiated	0	0	100%
TOTALS	65	65	100%

10 SYSTEMS AND PERFORMANCE METRICS

In 2023, NANPA utilized the three existing resource administration systems: NAS, PAS and RNAS.

Per Section 10.1.1, *System Availability*, in the TRD²⁰, the NANPA systems will, at a minimum, adhere to the following availability and reliability requirements:

- Available 24 hours, seven (7) days a week
- Availability shall meet a minimum requirement of 99.9% of scheduled up-time
- Unscheduled maintenance downtime per calendar year interval shall be less than nine (9) hours
- The mean time to repair (MTTR) for all unscheduled downtime per any 12-month interval shall be less than one (1) hour during Core Business Hours and four (4) hours for non-Core Business Hours
- Scheduled maintenance downtime per 12-month interval shall be less than 24 hours.

ALL SYSTEMS PERFORMANCE METRICS MET: All of the performance requirements from the TRD Section 10.1.1 were met for NAS, PAS and RNAS in 2023.

10.1 NAS PERFORMANCE

NAS supports processing CO code applications, collecting resource utilization and forecast data, and issuing notifications to the Industry on numbering matters. NAS is used by service providers, service provider consultants, federal and state regulators, and NANPA in the assignment and administration of the various NANP resources.

10.1.1 NAS ACTUAL PERFORMANCE

In 2023, NAS was available for use **100%** of the scheduled uptime during the 8,760 hours possible during the 12-month period, which meets the NAS performance metric of a *minimum* of 99.9% scheduled uptime. NAS had one hour and 15 minutes of FCC-approved downtime and no unscheduled down time in 2023.

10.1.2 NAS PERFORMANCE METRICS

In 2023, as outlined in Table 10-1, NAS met the required performance metrics set forth in the TRD:

²⁰ *Combined NANPA/PA Technical Requirements Document, Description/Specifications, 273FCC21C0003-revised P0002, Attachment 1.1, §10 (August 27, 2021).*

**Table 10-1
2023 NAS Performance Metrics**

REQUIRED SERVICE	PERFORMANCE STANDARD	ACCEPTABLE QUALITY LEVEL	ACCOMPLISHMENT
NAS Availability	NAS is available	A minimum requirement of 99.9%	MET THE REQUIREMENT WITH A <i>SCHEDULED</i> AVAILABILITY LEVEL OF 100%
Maintenance	Unscheduled maintenance of NAS is less than 9 hours in any 12-month period	100%	MET THE REQUIREMENT WITH NO INSTANCES OF <i>UNSCHEDULED</i> NAS AVAILABILITY
Maintenance	Scheduled maintenance of NAS is less than 24 hours in any 12-month period	100%	MET THE REQUIREMENT FOR LESS THAN 24 HOURS IN ANY 12-MONTH PERIOD OF <i>SCHEDULED</i> MAINTENANCE WITH ONE HOUR AND 15 MINUTES USED

10.1.3 NAS MAINTENANCE

NAS had three FCC-approved, scheduled maintenance activities in 2023:

**Table 10-2
2023 NAS Maintenance**

DATE	FCC-APPROVED MAINTENANCE WINDOW	MAINTENANCE TIME USED	CUSTOMERS IMPACTED
March 9	Three Hours	One Hour 15 Minutes	Zero
June 22	Two Hours	Zero	Zero
November 16	Three Hours	Zero	Zero

10.1.4 NAS CHANGE ORDERS

Changes and improvements to NAS are generally driven by changes to FCC rules, Industry guidelines, or specific service provider or regulatory requests. NANPA did not submit any NAS Change Orders in 2023.

NANPA submitted a NAS change order on December 19, 2022, Change Order Proposal IA-1, regarding implementation of INC Issue 941 - Update 5XX-NXX Guidelines to Make 5XX-555

Codes Available For Assignment. The FCC approved this Change Order effective August 28, 2023, and it was implemented on September 15, 2023.

10.2 PAS PERFORMANCE

PAS supports processing number resource applications in pooling areas, collecting forecast data, and issuing notifications to the Industry on numbering matters. PAS is the primary tool used by service providers, service provider consultants, federal and state regulators, and NANPA in the assignment and administration of thousands-block resources.

10.2.1 PAS ACTUAL PERFORMANCE

In 2023, PAS was available for use **100%** of the scheduled uptime during the 8,760 hours possible during the 12-month period, which meets the PAS performance metric of a *minimum* of 99.9% scheduled uptime. PAS had 45 minutes of FCC-approved scheduled downtime and no unscheduled down time in 2023.

10.2.2 PAS PERFORMANCE METRICS

In 2023, as outlined in Table 10-3, PAS met the required performance metrics set forth in the TRD:

**Table 10-3
2023 PAS Performance Metrics**

REQUIRED SERVICE	PERFORMANCE STANDARD	ACCEPTABLE QUALITY LEVEL	ACCOMPLISHMENT
PAS Availability	PAS is available	A minimum requirement of 99.9%	MET THE REQUIREMENT WITH A <i>SCHEDULED</i> AVAILABILITY LEVEL OF 100%
Maintenance	Unscheduled maintenance of PAS is less than 9 hours in any 12-month period	100%	MET THE REQUIREMENT WITH NO INSTANCES OF <i>UNSCHEDULED</i> PAS AVAILABILITY
Maintenance	Scheduled maintenance of PAS is less than 24 hours in any 12-month period	100%	MET THE REQUIREMENT FOR LESS THAN 24 HOURS IN ANY 12-MONTH PERIOD OF <i>SCHEDULED</i> MAINTENANCE WITH 45 MINUTES USED

10.2.3 PAS MAINTENANCE

PAS had three FCC-approved, scheduled maintenance activities in 2023:

Table 10-4
2023 PAS Maintenance

DATE	FCC-APPROVED MAINTENANCE WINDOW	MAINTENANCE TIME USED	CUSTOMERS IMPACTED
March 9	Three Hours	45 Minutes	Zero
July 13	Two Hours	Zero	Zero
November 16	Three Hours	Zero	Zero

10.2.4 PAS CHANGE ORDERS

Changes and improvements to PAS are generally driven by changes to FCC rules, Industry guidelines, or specific service provider or regulatory requests. NANPA submitted no PAS Change Orders in 2023.

10.3 RNAS PERFORMANCE

RNAS is essential to the routing number (p-ANI) administration operation because RNAS stores all of the information relating to p-ANI administration to facilitate routing of E9-1-1 calls. Because it provides essential reporting features that contain real-time data, reliability is critical.

10.3.1 RNAS ACTUAL PERFORMANCE

In 2023, RNAS was available for use **100%** of the scheduled uptime during the 8,760 hours possible during the 12-month period, which meets the RNAS performance metric of a *minimum* of 99.9% scheduled uptime. RNAS had no scheduled or unscheduled downtime in 2023.

10.3.2 RNAS PERFORMANCE METRICS

In 2023, as outlined in Table 10-3, RNAS met the required performance metrics set forth in the TRD:

**Table 10-5
2023 RNAS Performance Metrics**

REQUIRED SERVICE	PERFORMANCE STANDARD	ACCEPTABLE QUALITY LEVEL	ACCOMPLISHMENT
RNAS Availability	RNAS is available	A minimum requirement of 99.9%	MET THE REQUIREMENT WITH A <i>SCHEDULED</i> AVAILABILITY LEVEL OF 100%
Maintenance	Unscheduled maintenance of RNAS is less than 9 hours in any 12-month period	100%	MET THE REQUIREMENT WITH NO <i>UNSCHEDULED</i> DOWNTIME RESULTING IN NO RNAS UNAVAILABILITY
Maintenance	Scheduled maintenance of RNAS is less than 24 hours in any 12-month period	100%	MET THE REQUIREMENT WITH NO DOWNTIME AS A RESULT OF <i>SCHEDULED</i> MAINTENANCE

10.3.3 RNAS MAINTENANCE

RNAS had two FCC-approved, scheduled maintenance activities in 2023:

**Table 10-6
2023 RNAS Maintenance**

DATE	FCC-APPROVED MAINTENANCE WINDOW	MAINTENANCE TIME USED	CUSTOMERS IMPACTED
June 22	Two Hours	Zero	Zero
November 16	Three Hours	Zero	Zero

10.3.4 RNAS CHANGE ORDERS

Changes and improvements to RNAS are generally driven by changes to FCC rules, Industry guidelines, or specific service provider or regulatory requests. NANPA submitted no RNAS Change Orders in 2023.

10.4 TROUBLE TICKETS

NANPA tracks and reports trouble tickets, as specified in Section 13.3.1 of the TRD, relating to, at a minimum, the following trouble ticket and/or outage metrics:

- Number opened during the preceding month
- Number closed during the preceding month
- Number under corrective action for over 30 calendar days
- Number related to:
 - System performance
 - Web site
 - Contractor ISP
 - Other
- Total quantity of trouble tickets opened and closed by month for a calendar year, with both the actual open time for each ticket and the average open time for all tickets
- Quantity of System Outages Notifications to all participants and regulatory agencies

NANPA reports trouble ticket details each month in a monthly FCC NANPA status report and to the NAOWG. In 2023, NANPA opened no trouble tickets for NAS or RNAS and opened and closed one trouble ticket for PAS.

Table 10-7
2023 Trouble Tickets

Ticket Number	Status	Date Opened	Date Closed	Total Time Ticket Opened	Issue type	Description
1563	CLOSED	3/23/23	7/13/23	112 Days	PAS System Error	Customer reported that the previous block holder was able to submit a block disconnect request, which was recently transferred to a new block holder, this issue is related to the timing of the effective dates of the transfer and the disconnect.

10.5 NAS, PAS, AND RNAS DISASTER RECOVERY TESTING

Disaster recovery testing occurs throughout the year during routine system maintenance for NAS, PAS and RNAS to ensure system redundancy in an Amazon Web Services (AWS) cloud environment.

In addition, NANPA personnel worked remotely throughout the year, with no interruption of services.

11 INDUSTRY ISSUE IDENTIFICATION/FEEDBACK

NANPA supports the Industry through several channels during the year including participation in Industry and regulatory forums and interaction with the NAOWG. This section contains information on NANPA's 2023 participation in the Industry and regulatory forums, including the number of issues and contributions that NANPA submitted, a description of NANPA's interaction with the NAOWG, as well as formal complaints, NANPA *Tips*, and Customer Support call totals.

11.1 PARTICIPATION IN INDUSTRY AND REGULATORY FORUMS

11.1.1 INDUSTRY FORUMS

As the NANPA, our participation at Industry forums includes:

- Working on issues and answering questions relating to CO code, thousands-block, non-geographic and p-ANI, and NPA Relief processes
- Actively participating in meeting discussions
- Developing and submitting new issues based on input we received from industry

NANPA participated in the following Industry forums in 2023:

- **Common Interest Group on Rating and Routing (CIGRR)** – NANPA participated in seven meetings and submitted three issues. NANPA continued to review the 3H (BCRnoNXD under 45 days) validation report monthly. NANPA also reviewed the 3E (BCRnoNXD over 45 days) and 3F (NXDsnoBCRs), 3I (ACDnoNXD), and 3J (ACDnoNXD over 45 days) reports monthly. When requested, NANPA also researched other data comparison requests sent by iconectiv® TRA. NANPA continued to address issues and concerns from participants
- **Industry Numbering Committee (INC)** – NANPA participated in nine meetings, submitted 22 new issues and 42 new contributions
- **Next Generation Interconnection Interoperability Forum (NGIIF)** –NANPA participated in three meetings as a subject matter resource
- **Number Portability Industry Forum (NPIF)** - NANPA participated in nine NPIF meetings as a subject matter resource
- **Telecom Management and Operations Committee (TMOC)** – NANPA attended one TMOC meeting as a subject matter resource

11.1.2 REGULATORY FORUMS

NANPA attended the North American Numbering Council (NANC) meetings on February 28, June 28, and October 25. In addition, NANPA attended meetings of the National Association of Regulatory Utility Commissioners (NARUC) in February, July and November.

11.2 NANPA INTERACTION WITH THE NUMBERING ADMINISTRATION OVERSIGHT WORKING GROUP (NAOWG)

The NAOWG reviews NANPA’s performance throughout the year. The NAOWG’s interactions with the NANPA in 2023 consisted primarily of conducting meetings to review each month’s performance.

The NAOWG and NANPA met 12 times to discuss NANPA’s monthly performance on January 26, February 23, March 21, April 27, May 25, June 22, July 27, August 31, September 28, October 19, November 16, and December 14.

Prior to each meeting, NANPA provided the NAOWG with a summary report of its previous month’s performance which included updates on geographic and non-geographic activities, NRUF, NPA relief, several performance metrics, Industry meeting activities and regulatory information. In all, NANPA provided 12 monthly reports, four quarterly self-assessments, two “NANP Resource Status Update” reports, and mid-year highlights to the NAOWG.

Table 11-1 contains the description of the standing summary report agenda items.

**Table 11-1
NAOWG Description of the Standing Monthly Summary Report Agenda Items**

AGENDA ITEM	DESCRIPTION
Geographic Resources Activity	CO Code, Thousands-Block, and p-ANI performance measurements from the previous month
Non-Geographic Resources Activity	CIC, 5XX, 900, VSC performance measurements and activity from the previous month
NRUF	NRUF performance measurements and activity from the previous month
NPA Relief Activity	Status of NPA Relief Activity
NPA Relief Planning	NPA Relief Planning performance measurements
Other Metrics	Performance metrics for NAS, PAS and RNAS performance, trouble tickets, communications, change orders, and additional items (staffing, security, and reference and technical documentation)
Trouble Ticket Detail	Information on trouble tickets
Customer Focus Items	NANPA items that require research, assistance, or education beyond our normal daily interactions with customers

AGENDA ITEM	DESCRIPTION
Combined NAS Status	Combined NAS Implementation Status
Other	Regulatory and INC updates, as well any other items of interest not covered by other categories.

Activities reported as *Customer Focus Items* are noteworthy specific ways in which NANPA responded to more significant issues and requests from our customers during the year. This list includes only items that required extra time and effort on the part of NANPA staff and does not include all of the day-to-day questions and requests that NANPA staff field as part of their daily workload. The NANPA reported a total of 137 customer focus items in 2023.

In addition, NANPA provided ad hoc reports and added additional detail to the monthly meeting reports as requested. These included charts relating to:

Current Month:

- CO Code Assignments by Application Type
- Growth vs. Initial CO Code Assignments
- CO Code Assignments by Service Provider Type
- CO Code Assignments by State
- Thousands-Block Assignments by State
- Thousands-Block Assignments by Service Provider Type
- Growth vs. Initial Thousands-Block Assignments

Current 12-month Period:

- CO Code Assignments by Application Type
- CO Code Assignments by Service Provider Type
- Growth vs. Initial CO Code Assignments
- CO Code Assignments by State
- Thousands-Block Assignments by Service Provider Type
- Growth vs. Initial Thousands-Block Assignments
- Thousands-Block Assignments by State

11.3 NANPA FORMAL COMPLAINTS

Pursuant to Section 2.9 of the TRD, if a performance problem is identified by a telecommunications Industry participant, NANPA must prepare a document that contains:

- Description of the dispute, concern, complaint, or issue (recorded within one (1) business day)
- Plan of action (recorded within one (1) business day)
- The resolution and reasoning (recorded within one (1) business day of resolution)
- Number of business days passing before referred to appropriate state or federal regulators
- Number of business days passing before resolution accepted by complainant

In coordination with the FCC, NANPA will take any necessary corrective action within 30 calendar days of the complaint. In 2023, NANPA received *no formal complaints*.

11.4 NANPA AND ROUTING NUMBER ADMINISTRATOR QUARTERLY TIPS (TIPS)

11.4.1 NANPA *Tips*

NANPA generates *Tips* from suggestions received from regulators and service providers, INC action items, and internal observations regarding processes that could benefit from additional clarification for customers. *Tips* provide helpful information regarding navigation through the NAS, PAS, and RNAS, as well as significant or changing numbering processes. These tips are sent via email through the systems’ distribution list during each quarter at a minimum. Often NANPA will send a “Supplemental” *Tip* during a quarter if a topic surfaces that would benefit customers right away. *Tips* also serve as a useful reference for all NAS, PAS and RNAS users. Archive files for *Tips* from previous years can be found on our websites.

Table 11-2 lists all of the 2023 NANPA *Tip* topics:

**Table 11-2
2023 NANPA Tips**

MONTH	TOPIC
January	How to Pool in an Excluded Rate Center
April	Investigating a CO Code Transfer Prior to Applying for a New CO Code for LRN
July	Effective Date Preference for CO Code Requests
August (Supplemental)	Thousands-Block or CO Code Has Not Been Placed In Service by the Part 4/4A Due Date
October	CO Code Assignment Preference
December	Porting of Unavailable TNs Must Be Completed Prior to Submitting Block Disconnect Requests

11.4.2 P-ANI *TIPS*

NANPA sends the p-ANI *Tip* via email to the RNAS distribution list of registered users at the beginning of each quarter. The p-ANI *Tip* provides helpful information regarding RNAS and the p-ANI request process and serves as a useful reference for all RNAS users. Archive files for all p-ANI *Tips* can be found on our website.

Table 11-3 lists all of the p-ANI *Tip* topics that were covered by quarter:

**Table 11-3
2023 P-ANI Tips**

MONTH	TOPIC
January	p-ANI Forecast Report
April	Returning p-ANIs
July	RNAS Passwords
October	Supporting Documentation for New p-ANI Requests

11.5 NANPA CUSTOMER SUPPORT

The NANPA Customer Support Representatives (CSR or Help Desk) respond to both internal and external questions and requests for technical support and attempts to promptly confirm the cause of a problem. Some examples are:

- Creating, deleting, and maintaining user accounts and passwords
- Answering a variety of inquiries from customers, including questions regarding use of forms, navigation within NAS, PAS and RNAS, and assisting users with locating documentation
- Working with carriers to troubleshoot problems and assist in resolving technical problems

There were 1,175 customer support phone calls in 2023 compared to 1,215 in 2022. Table 11-4 shows the numbers of calls handled by Customer Support/Help Desk.

**Table 11-4
2023 Customer Support/Help Desk Calls**

MONTH	TOTAL NUMBER OF CALLS
January	177
February	76
March	107
April	71
May	89
June	104
July	150
August	111
September	104
October	71
November	50
December	65
TOTAL	1,175

12 Volume of Reports Produced in 2023

12.1 TOTAL REPORTS

NANPA produced 870 reports and all reporting requirements were met in 2023. The total in each section includes standard contract reports as well as non-standard (*ad hoc*) reports. Of the total number of reports, 663 related to monthly reports sent to state commissions and the FCC for reclamation. These totals *do not* include reports that were obtained directly from the NANPA, PA, or p-ANI websites, or from NAS, PAS, or RNAS.

Table 12-1 shows the total number of reports produced during 2023 aggregated by regulatory agency (FCC and states), service providers and other. The total number of reports includes:

- **FCC:** CDRL, TRD, *ad hoc*, and other reports required by the contract.
- **STATES:** reclamation, educational overviews, NPA relief, and *ad hoc* reports.
- **SERVICE PROVIDERS:** rate center change reports and miscellaneous *ad hoc* reports.
- **OTHER:** anything not included in the categories above, such as NAOWG reports.

Table 12-1
Total 2023 Reports

TYPE	TOTAL NUMBER OF REPORTS
FCC	40
STATES	727
SERVICE PROVIDERS	55
OTHER	48
TOTAL	870

12.2 REPORTS COMPLIANCE

This section describes the reports that are required in the TRD and Industry guidelines that are included in the overall total number of reports produced as shown in Table 12-1. These reports include two CDRL reports, the Annual Report and Ad Hoc reports, as well as other reports. Table 12-2 shows the report categories, requirement references, required intervals, dates the reports were submitted, the total number of each required report submitted for the year, and whether the requirement was met.

**Table 12-2
2023 Required Reports Compliance**

REPORT TYPE	SECTION REFERENCE	REQUIRED INTERVAL	DATES SUBMITTED	TOTAL	MET REQUIREMENTS
Staffing Report	TRD 14.12 per Section 2.5	1 st working day of the month	1/3, 2/1, 3/1, 4/3, 5/1, 5/31, 7/3, 8/1, 9/1, 10/2, 11/1, 12/1	12	Y
NANPA Monthly Report ²¹	TRD Sections 11.3, 11.4, 11.5, 11.6, 11.11, 11.12, 12.3	Monthly	1/12, 2/13, 3/10, 4/13, 5/11, 6/13, 7/17, 8/14, 9/15, 10/13, 11/8, 12/8	12	Y
Quarterly Pooling Matrices Report	TRD Section 12.3.5	Quarterly	1/12, 4/13, 7/17, 10/13	4	Y
Quarterly Self-Assessment	TRD Section 12.1.5	Quarterly	1/26, 4/21, 7/20, 10/12	4	Y
Inventory ²²	TRD Section 10.15 and 10.17.3	Quarterly	N/A	N/A	N/A
Forecasted Demand (Pooling)	TRD Section 12.3.5	Semi-Annual	2/14, 8/21	2	Y
Rate Area Inventory Pool Status (Pooling and p-ANI)	TRD Sections 11.5.2 and 12.3.5	Semi-Annual	2/14, 8/21	2	Y
Status of NANP Resources	ATIS INC NPA Allocation Plan Assignment	Semi-Annual	2/7, 7/26	2	Y

²¹ Includes monthly reporting for NPA Relief Activity, CO Code Activity, Thousands-Block Pooling Report, Thousands-Block Summary by Rate Center, p-ANI Administration Report, p-ANI Summary by NPA, Systems Performance Report, Other Performance Metrics (Trouble Tickets, Communications, Change Orders, Ad Hoc Reports totals), Forecasting Data on a Per State Basis, and CO Code and Other Resources details.

²² There are no inventory reports for 2023 since NANPA has maintained no transferable property since September 2021.

REPORT TYPE	SECTION REFERENCE	REQUIRED INTERVAL	DATES SUBMITTED	TOTAL	MET REQUIREMENTS
	Guidelines Section 5.9				
Annual Report	CDRL 14.2 per Section 11.1	Annual	3/30	1	Y
Ad Hoc Reports	CDRL 14.1 per Section 11	Within three business days	January (11 reports) February (14 reports) March (4 reports) April (25 reports) May (13 reports) June (9 reports) July (4 reports) August (12 reports) September (3 reports) October (5 reports) November (1 report) December (8 reports)	109	Y
TOTAL REQUIRED REPORTS				148	

Table 12-3 shows the total number of *Ad Hoc* reports by Type.

Table 12-3
2023 Ad Hoc Reports by Type

TYPE	TOTAL NUMBER OF AD HOC REPORTS
FCC	7
STATES	27
SERVICE PROVIDERS	43
OTHER	32
TOTAL	109

13 HISTORICAL TRENDS FROM 2019 THROUGH 2023

In this section you will find trends in CO code and thousands-block assignment activity, NXXs saved by Pooling, reclamation, and NPA relief activity from 2019 through 2023.

13.1 GEOGRAPHIC RESOURCES ACTIVITY SINCE 2019

NANPA tracks assignment data to identify any trends in CO code and thousands-block assignment rates. Table 13-1 and Figure 11 show the total quantity of CO codes assigned and Table 13-4 and Figure 16 show the total number of thousands-blocks assigned over the last five years.

The total number of CO code (Part 3) and thousands-block (Part 3A) applications processed is the best measure of the actual processing work performed by NANPA. Although the majority of applications for numbering resources are approved, some applications are suspended for future action, withdrawn or denied entirely. Each of these activities generates a Part 3 or Part 3A and requires action by the Resource Administrator (RAs). Table 13-2 and Figure 13 show the number of Part 3s that were processed, and Table 13-5 and Figure 20 show the numbers of Part 3As that were processed between 2019 and 2023.

Table 13-1:
CO Code Assignment Activity from 2019 through 2023 At-A-Glance

YEAR	QUANTITY OF CO CODES ASSIGNED	QUANTITY OF CO CODES RETURNED
2019	3,433	305
2020	4,895	238
2021	6,970	263
2022	5,408	644
2023	4,867	502

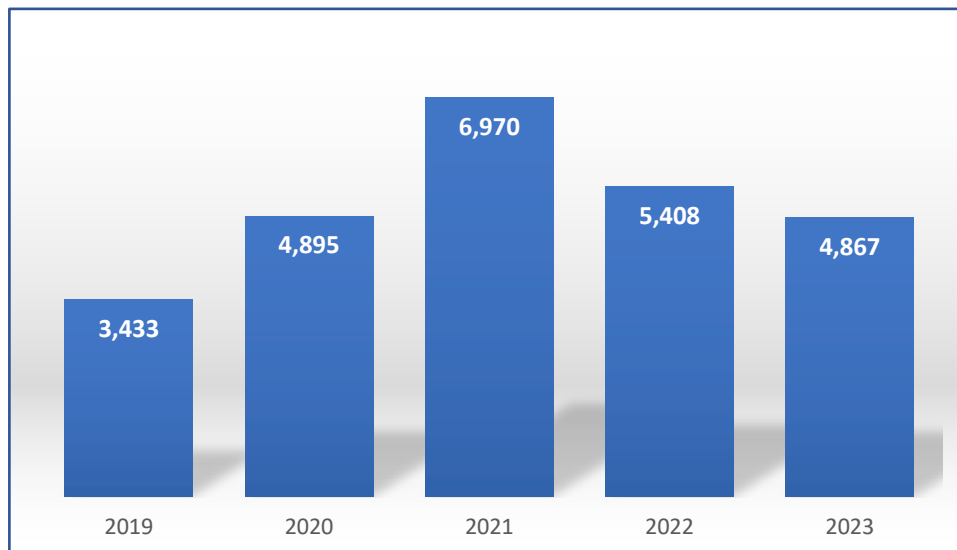


Figure 13: CO Code Assignment Activity from 2019 through 2023

**Table 13-2:
CO Code Applications (Part 3s) Processed from 2019 through 2023**

MONTH	2019	2020	2021	2022	2023
JANUARY	486	1,636	1,816	1,657	814
FEBRUARY	554	641	2,578	3,007	1,379
MARCH	529	621	3,541	1,336	2,023
APRIL	467	440	1,777	1,051	1,398
MAY	832	740	2,109	1,239	1,336
JUNE	572	800	2,075	2,716	1,022
JULY	467	1,879	3,340	1,223	939
AUGUST	674	1,374	9,843	1,659	2,545
SEPTEMBER	883	1,709	2,705	3,996	1,225
OCTOBER	1,319	1,171	1,759	1,548	3,277
NOVEMBER	643	1,798	1,974	1,936	1,147
DECEMBER	443	1,870	2,256	1,427	1,700
TOTAL	7,869	14,679	35,773	22,795	18,805

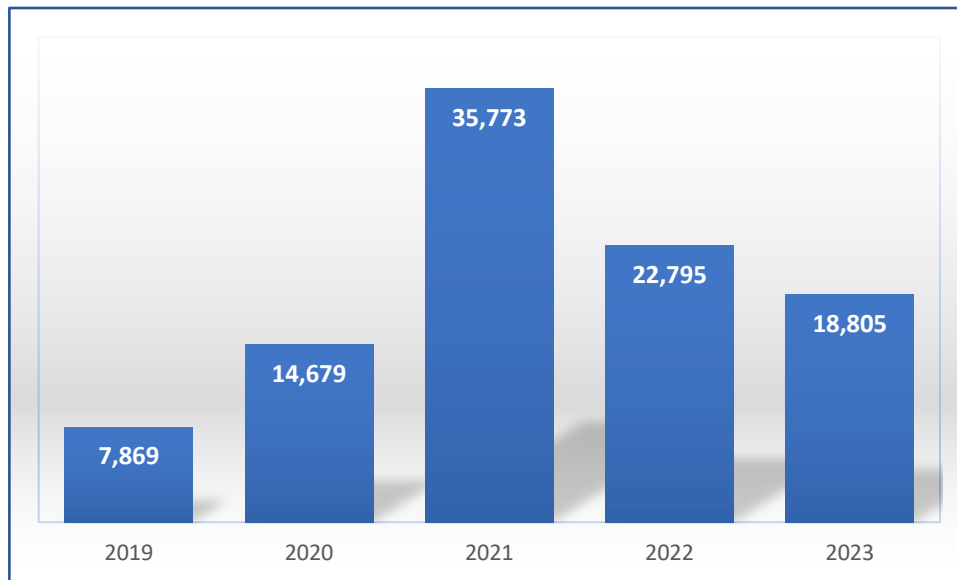


Figure 14: CO Code Applications (Part 3s) Processed From Years 2019 through 2023

Table 13-3 and Figures 15, 16, and 17 show the number of CO codes assigned by type between 2019 and 2023.

**Table 13-3
CO Codes Assigned by Type from 2019 through 2023**

TYPE	2019	2020	2021	2022	2023
NXXs Opened for LRNs	682	691	1,124	469	648
NXXs Opened for Dedicated Customers	47	44	58	46	173
NXXs Opened for Pool Replenishment	2,651	4,152	5,767	4,893	4,046

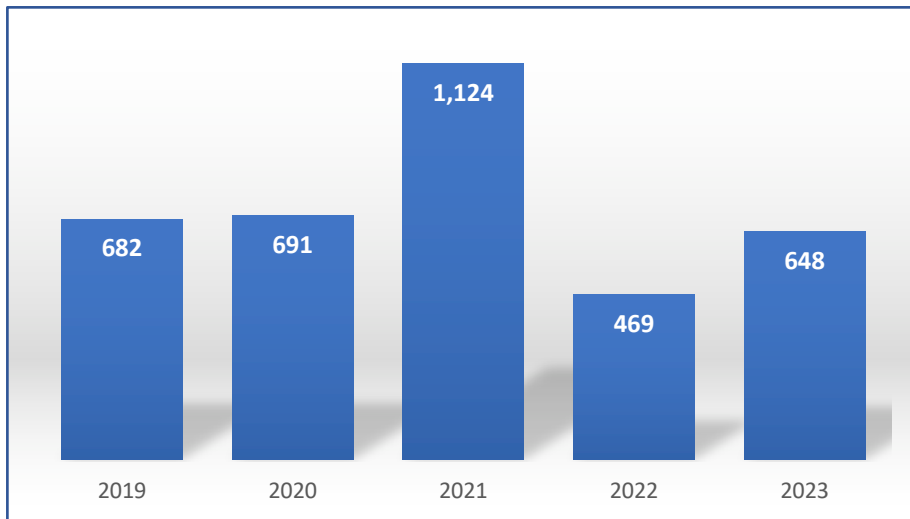


Figure 15: CO Codes Opened for LRNs from 2019 through 2023

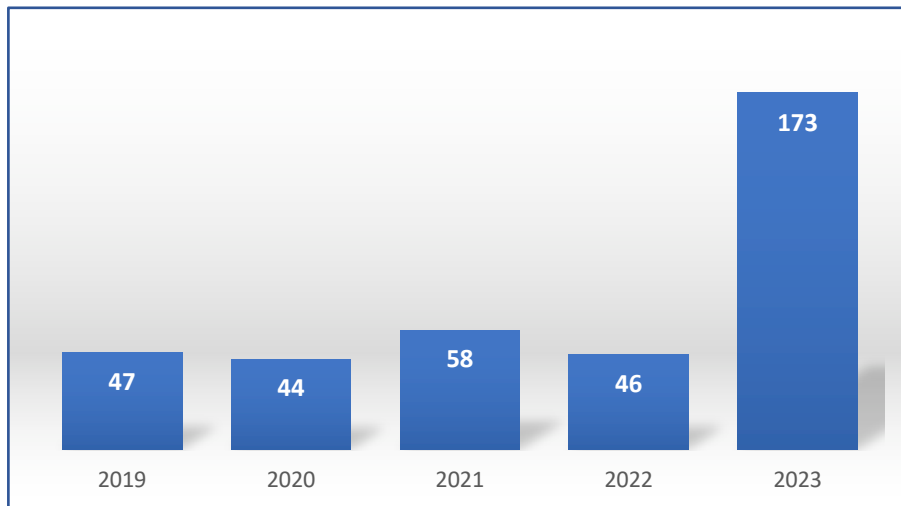


Figure 16: CO Codes Opened for Dedicated Customers from 2019 through 2023

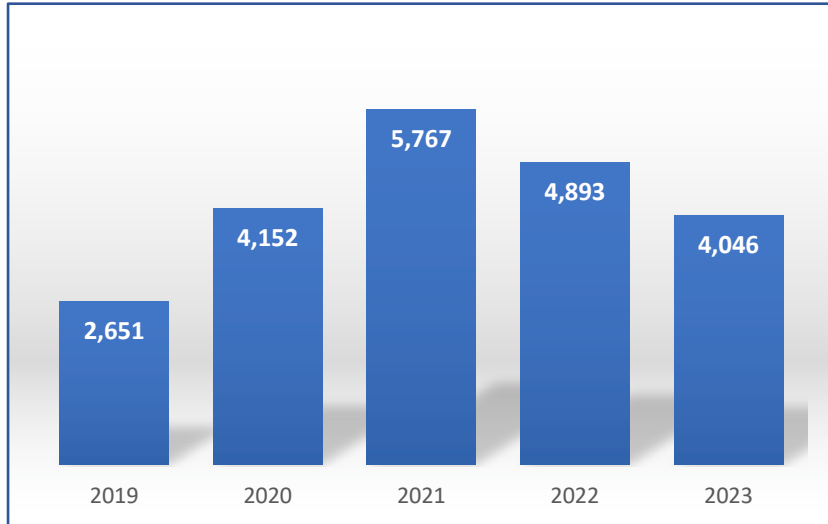


Figure 17: CO Codes Opened for Pool Replenishment from 2019 through 2023

Table 13-4

Thousands-Block Assignment Activity from 2019 through 2023 At-A-Glance

ACTIVITY TYPE	2019	2020	2021	2022	2023
Thousands-Blocks Assigned by NANPA During Year	51,969	74,078	102,837	62,933	63,266
Total Assigned Thousands-Blocks in PAS at Year End	647,827	711,109	797,535	842,216	891,826

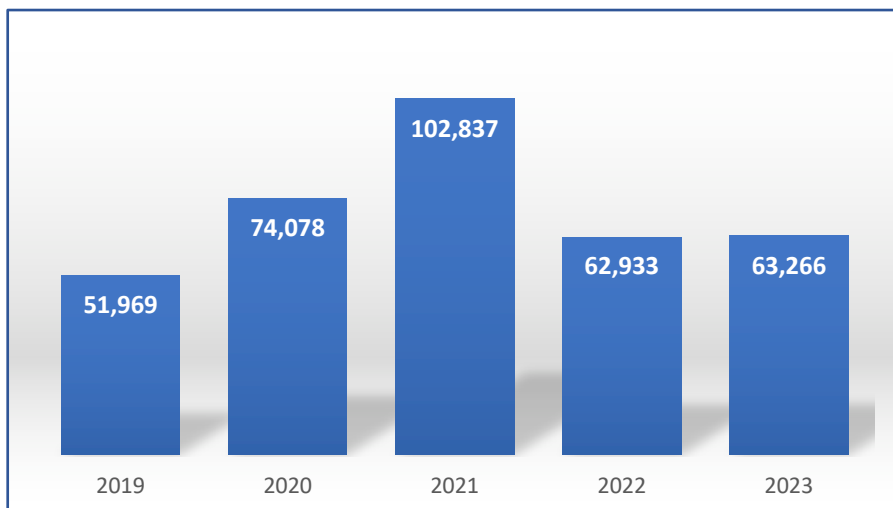


Figure 18: Thousands-Blocks Assigned By NANPA from 2019 through 2023

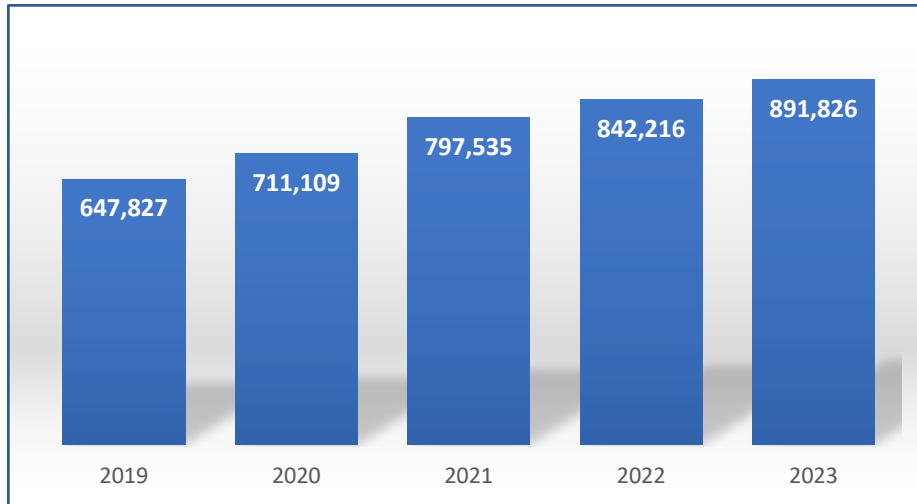


Figure 19: Assigned Thousands-Blocks in PAS at End of Year 2019 through 2023

**Table 13-5
Thousands-Block Applications (Part 3As) Processed from 2019 through 2023**

MONTH	2019	2020	2021	2022	2023
JANUARY	7,412	13,655	22,519	15,527	11,397
FEBRUARY	7,422	10,687	26,415	24,094	19,357
MARCH	9,102	11,776	28,496	16,948	19,658
APRIL	11,355	11,047	21,861	17,809	17,451
MAY	11,684	9,851	24,058	16,440	17,875
JUNE	8,962	28,554	24,309	21,075	23,585
JULY	8,691	14,720	26,709	13,864	22,260
AUGUST	13,186	33,302	69,923	17,529	21,380
SEPTEMBER	10,930	17,123	29,015	18,424	17,361
OCTOBER	10,660	17,959	19,426	19,444	13,398
NOVEMBER	9,611	20,990	22,388	18,585	7,923
DECEMBER	7,782	20,345	25,695	12,352	21,331
TOTAL	116,797	210,009	340,814	212,091	212,976

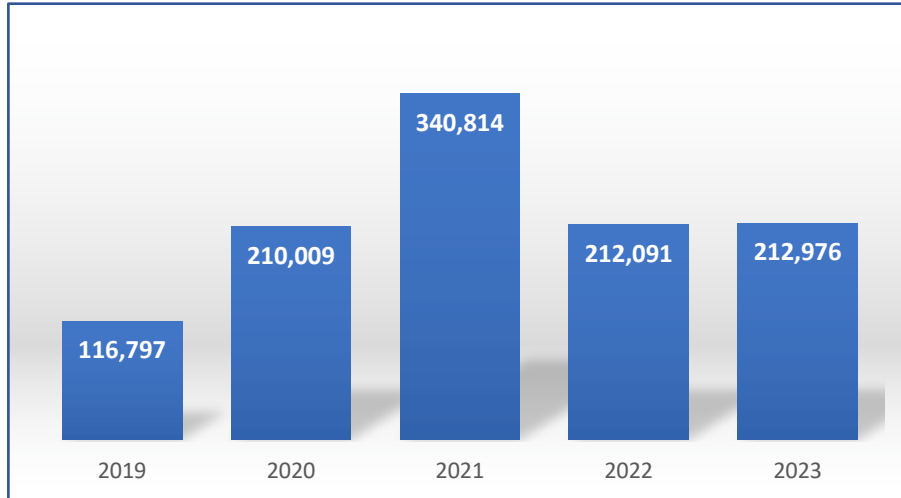


Figure 20: Thousands-Block Applications (Part 3As) Processed From 2019 through 2023

Tables 13-6 and Figures 21 and 22 show total p-ANI applications processed and p-ANIs assigned between 2019 and 2023.

**Table 13-6
P-ANI Activity 2019 through 2023**

YEAR	TOTAL P-ANI APPLICATIONS PROCESSED	TOTAL P-ANIs ASSIGNED
2019	9,307	161,795
2020	2,026	24,048
2021	3,647	26,286
2022	9,307	38,101
2023	11,479	35,888

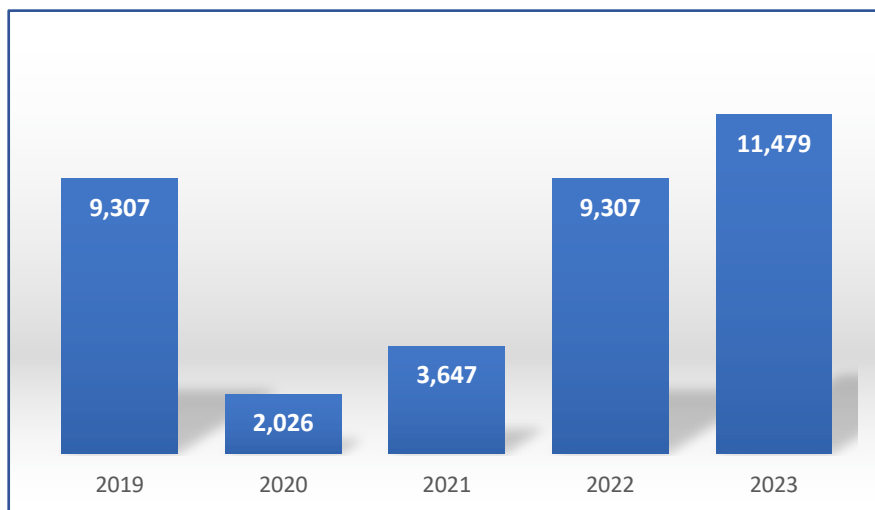


Figure 21: p-ANI Applications Processed From 2019 through 2023

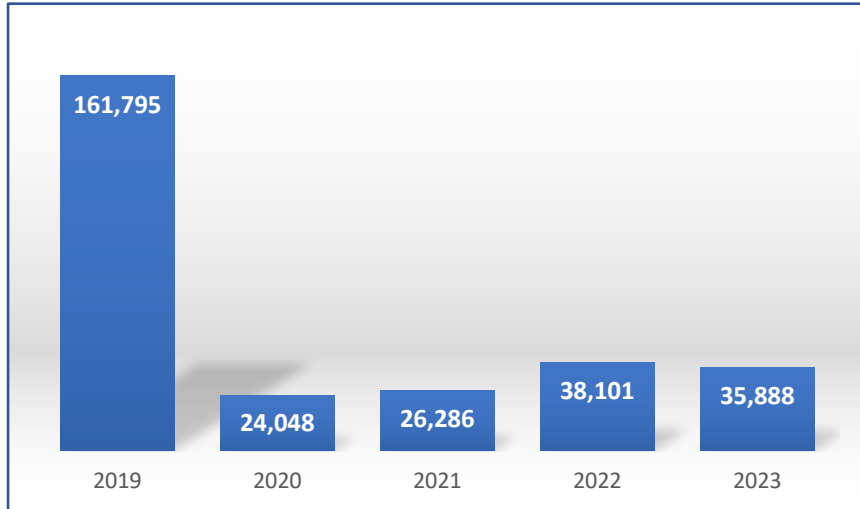


Figure 22: Quantity of p-ANIs Assigned From 2019 through 2023

13.2 FORECASTED VERSUS ACTUAL

Table 13-7 and Figure 23 illustrate the ratio between forecasts and actual assigned thousands-blocks from 2019 through 2023, ranked from highest percentage to lowest.

Table 13-7

Summary of Forecasts and Actual Assigned Thousands-Blocks from 2019 through 2023

RANK FROM HIGHEST TO LOWEST	YEAR	TOTAL FORECASTED THOUSANDS-BLOCKS	TOTAL THOUSANDS-BLOCKS ASSIGNED	PERCENTAGE OF ASSIGNED/ FORECASTED THOUSANDS-BLOCKS
1	2021	152,341	102,759	67.45%
2	2023	106,785	63,266	59.25%
3	2022	110,142	62,876	57.09%
4	2020	134,203	74,078	55.20%
5	2019	114,472	51,929	45.36%

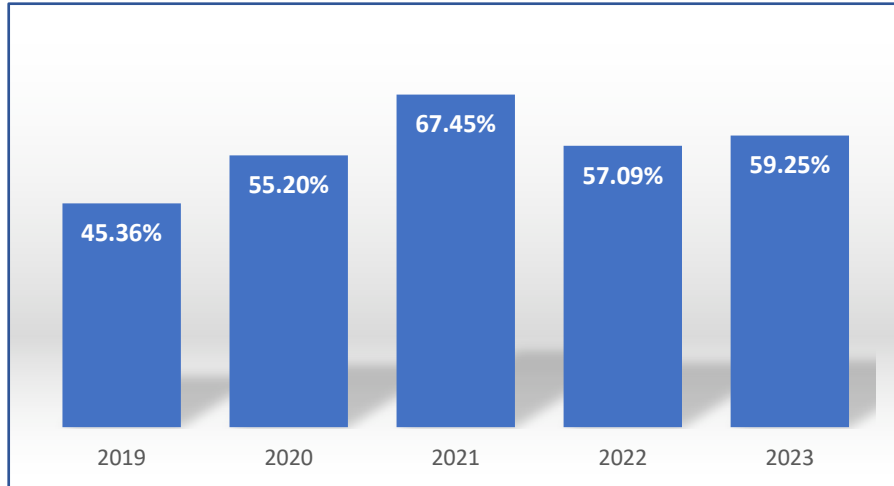


Figure 23: Forecasted versus Actual from 2019 through 2023

13.3 NXXS SAVED BY POOLING

NANPA calculates that **117,660 NXXs** have been saved since pooling began, which is the equivalent to 117 NPAs.

Attachment 10 shows the NXXs that have been saved in all NPAs, in 50 states, the District of Columbia and Puerto Rico by Location and NPA/NPA complex.²³ Table 13-8 shows the ten states/NPAs with the most NXXs saved by pooling as of December 31, 2023.

**Table-13-8
Ten States/NPAs With Most NXXs Saved By Pooling as of December 31, 2023**

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
ILLINOIS	779/815	1,463
PENNSYLVANIA	272/570	1,445
WEST VIRGINIA	304/681	1,430
PENNSYLVANIA	724/878	1,428
OHIO	220/740	1,375
NEW YORK	518/838	1,286
MASSACHUSETTS	508/774	1,244
OHIO	419/567	1,231
PENNSYLVANIA	582/814	1,219
MARYLAND	410/443/667	1,189

²³ An NPA complex is the combination of all NPAs tied to any specific geographic rate center, including overlay NPAs.

13.4 RECLAMATION 2019 THROUGH 2023

Table 13-9 and 13-10 show the cumulative number of CO codes and thousands-blocks on the reclamation lists each month, the total number of those resources that were new each month, the number of resources for which reclamation was initiated²⁴, and the number of resources actually reclaimed.

While a state may authorize NANPA to initiate CO code or thousands-block reclamation, not all resources in this category have actually been reclaimed. In some cases, after the reclamation process is begun, it is stopped if it is determined that the resources are actually in service. Only two CO codes have been reclaimed since 2019.

Table 13-9
CO Code Reclamation From 2019 through 2023 At-A Glance

YEAR	NUMBER OF CUMULATIVE CO CODES ON THE LIST	NUMBER OF NEW CO CODES ON THE LIST	NUMBER OF CO CODES FOR WHICH RECLAMATION WAS INITIATED	NUMBER OF CO CODES RECLAIMED
2019	132	N/A	N/A	1
2020	119	N/A	N/A	0
2021	497	232	2	0
2022	355	74	2	1
2023	479	81	0	0

Table 13-10
Thousands-Block Reclamation from 2019 through 2023

YEAR	NUMBER OF CUMULATIVE THOUSANDS-BLOCKS ON THE LIST	NUMBER OF NEW THOUSANDS-BLOCKS ON THE LIST	NUMBER OF THOUSANDS-BLOCKS FOR WHICH RECLAMATION WAS INITIATED	NUMBER OF THOUSANDS-BLOCKS RECLAIMED
2019	2,652	1,306	19	7
2020	4,082	1,654	23	5
2021	5,669	2,170	11	9
2022	3,838	943	25	15
2023	5,606	1,449	126	1

In total, 37 thousands-blocks have been reclaimed since 2019. Table 13-10 shows the total number of thousands-blocks reclaimed by state between 2019 and 2023, ranked from highest to lowest.

²⁴ The CO code information was not reported prior to 2022.

Table 13-10
Total Number of Thousands-Blocks Reclaimed by State from 2019 through 2023

STATE	2019	2020	2021	2022	2023	Total
NEW YORK			6	2		8
INDIANA				6		6
IOWA		3		2		5
GEORGIA	2	2				4
WISCONSIN				4		4
WASHINGTON	3					3
FLORIDA			2	1		3
DISTRICT OF COLUMBIA	1					1
VIRGINIA	1					1
MICHIGAN			1			1
CALIFORNIA					1	1
TOTAL	7	5	9	14	1	37

13.5 SUMMARY OF POOLED AREAS SINCE 2019

Table 13-11 below depicts the trends in rate center thousand-block pooling statuses between 2019 through 2023.

Table 13-11
Pooling Rate Center Facts Comparison by Year from 2019 through 2023

FACTS	2019	2020	2021	2022	2023
Total Number of Distinct Rate Centers	18,485	18,485	18,485	18,485	18,483
Total Number of Distinct Rate Centers Available for Pooling	16,672	16,732	16,790	16,878	16,946
Percentage of Distinct Rate Centers that are Available for Pooling	90.2%	90.5%	90.8%	91.3%	91.7%
Total Number of Mandatory Distinct Rate Centers	9,068	9,168	9,293	9,332	9,382
Percentage of Distinct Rate Centers that are Mandatory	49.1%	49.6%	50.3%	50.4%	50.7%
Total Number of Distinct Mandatory Single-Service Provider Rate Centers	905	805	681	642	633
Percentage of Distinct Rate Centers that are Mandatory Single-Service Provider	4.9%	4.3%	3.6%	3.5%	3.4%
Total Number of Distinct Optional Rate Centers	6,699	6,759	6,823	6,904	6,931
Percentage of Distinct Rate Centers that are Optional	36.2%	36.5%	37.0%	37.3%	37.5%
Total Number of Distinct Rate Centers Excluded from Pooling	1,813	1,752	1,688	1,607	1,537
Percentage of Distinct Rate Centers that are Excluded from Pooling	9.8%	9.4%	9.1%	8.7%	8.3%

FACTS	2019	2020	2021	2022	2023
Total Number of Rate Center Designations Changed (see Section 2.4.2 for detail)	293	212	134	280	130

13.6 NPA RELIEF PROJECTS INITIATED BY YEAR

NANPA saw a decrease in the number of NPA relief projects initiated in 2023 to five, as shown in Figure 24, compared to the nine in 2021 and 14 in 2022. This is directly attributable to a decrease on CO code assignments. The totals do not represent all active NPA relief projects.

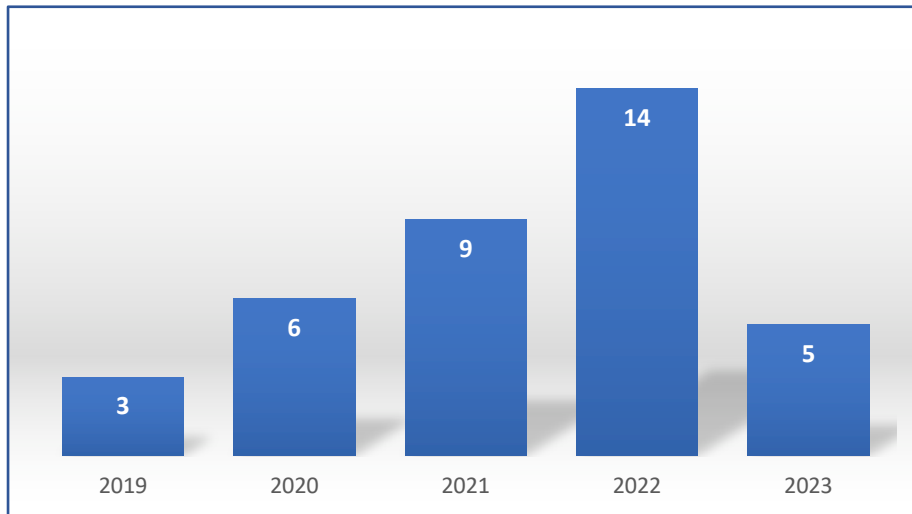


Figure 24: NPA Relief Projects Initiated by Year 2019 through 2023

13.7 TOTAL ACTIVE NPA RELIEF PROJECTS FROM 2019 THROUGH 2023

The total number of active relief projects depicted in Figure 25 below represent NPA relief projects on which NANPA worked from 2019 through 2023. In 2019 and 2020, NANPA worked on a total of 30 NPA relief projects. However, between 2020 and 2023, NANPA worked on an average of 30 NPA relief projects per year. NANPA involvement includes initiating relief, making regulatory filings, attending hearings and public meetings, assigning the new NPA, issuing a PL, and attending Industry committee meetings.

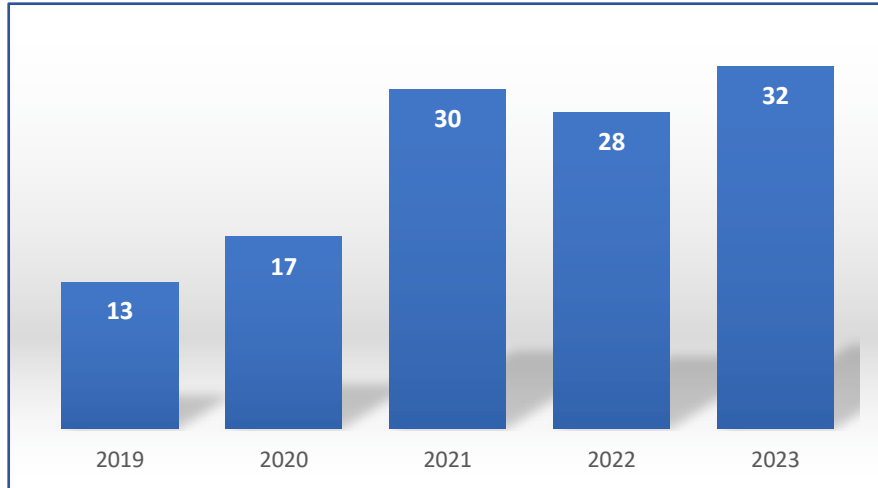


Figure 25: Total Active NPA Relief Projects by Year 2019 through 2023

13.8 STATE REGULATORY NPA RELIEF SUBMISSIONS FROM 2019 THROUGH 2023

As shown in Figure 26, NANPA made 14 submissions with state regulators in 2023 relating to NPA relief projects as compared to 35 in 2022 and 30 from 2019 through 2021.

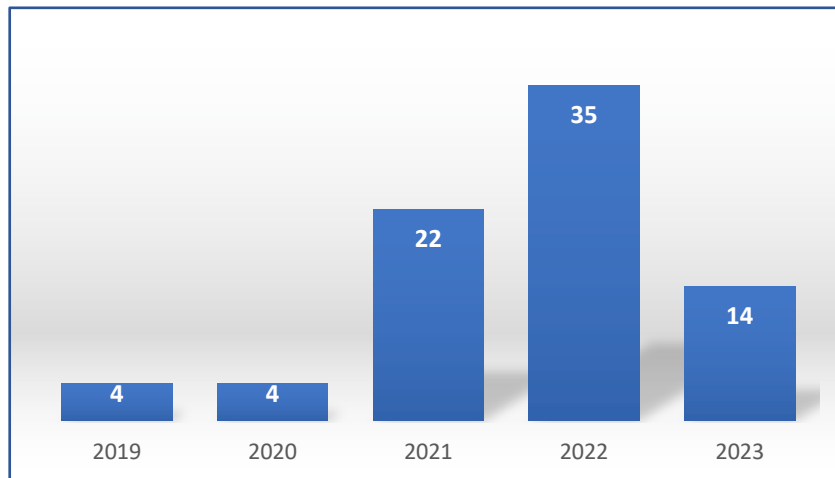


Figure 26: State Regulatory NPA Relief Submissions from 2019 through 2023

13.9 NPAS ASSIGNED FROM 2019 THROUGH 2023

Figure 27 shows the number of new NPAs assigned by NANPA between 2019 and 2023.

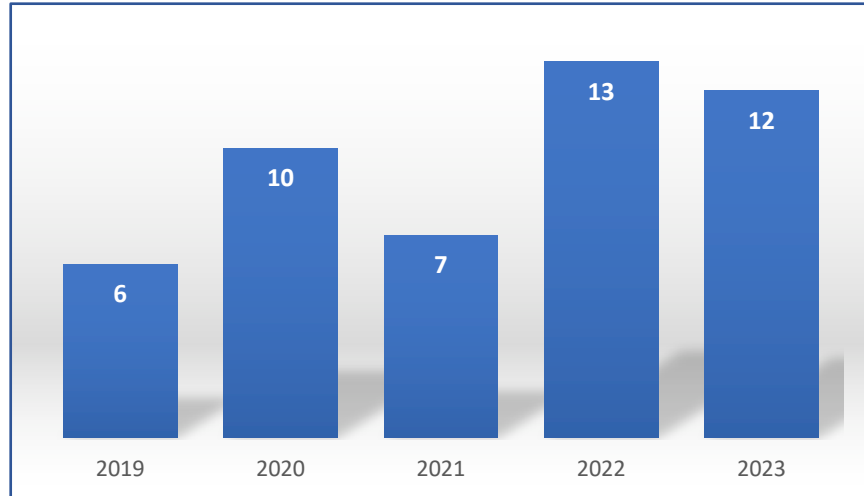


Figure 27: NPAs Assigned from 2019 through 2023

13.10 NPAS INTRODUCED FROM 2019 THROUGH 2023

Figure 28 illustrates the trend of NPAs being introduced between 2019 and 2023.

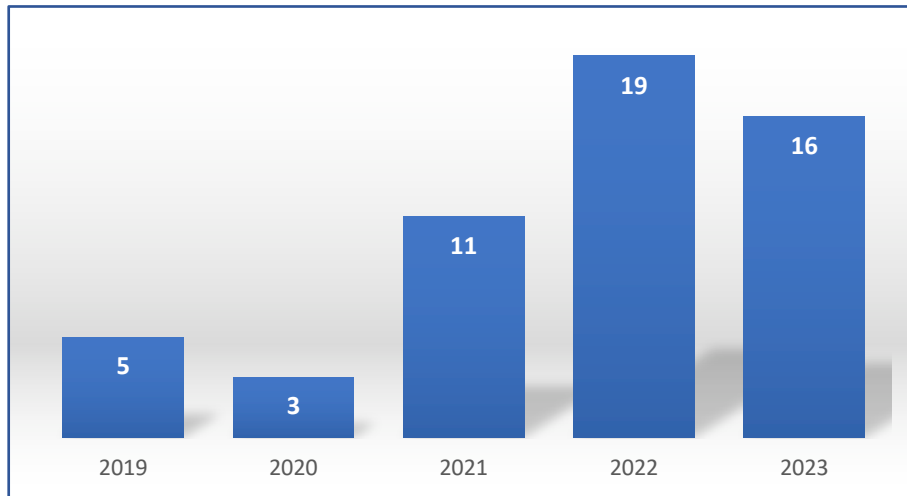


Figure 28: NPAs Introduced from 2019 through 2023

13.11 Jeopardy Declared from 2019 through 2023

The number of jeopardy declarations decreased to zero in 2023 from five in 2022 as shown in Figure 29 below.

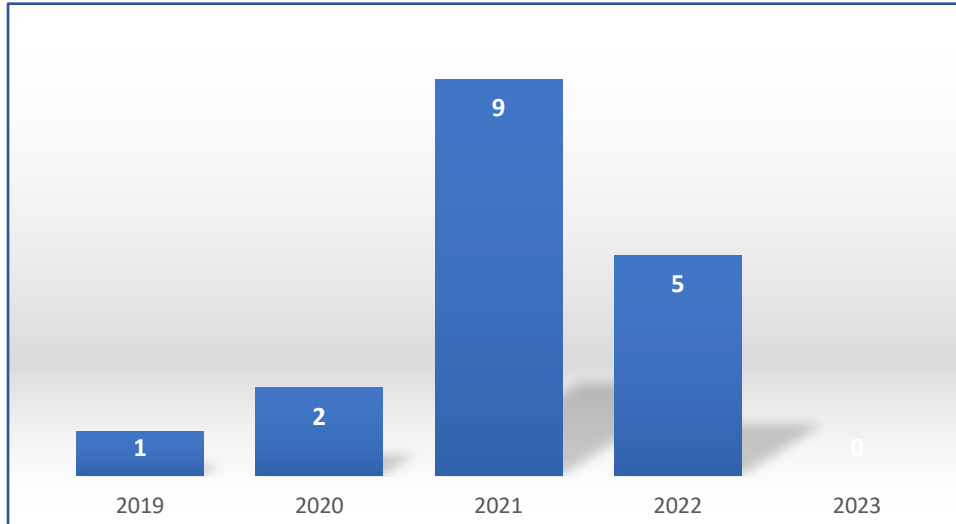


Figure 29: Jeopardy Declared 2019 through 2023

13.12 TOTAL NPAS IN JEOPARDY FROM 2019 THROUGH 2023

2023 began with six NPAs in jeopardy, which is the lowest number since 2020. However, as shown in Figure 30, by the end of 2023, not only were there no NPAs in jeopardy, the oldest jeopardy, in the Illinois 618 NPA, ended as a result of area code relief.

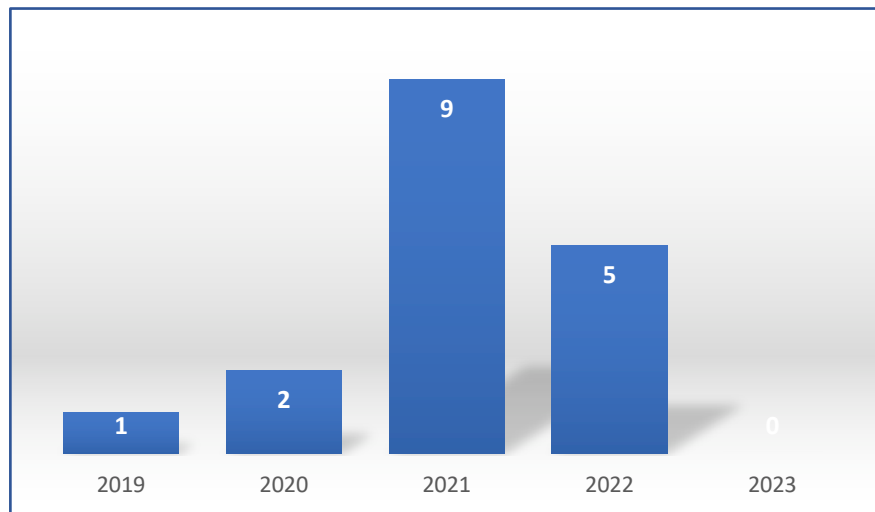


Figure 30: NPAs In Jeopardy from 2019 through 2023

14 ADDITIONAL INFORMATIONAL OFFERINGS

14.1 STATUS OF REQUIRED TRANSFERABLE PROPERTY

NANPA has maintained no transferable property since September 2021.

14.2 ADMINISTRATIVE OPERATING COMPANY NUMBER (AOCN) ENTERPRISE SERVICE

Upon request, NANPA will enter data for a service provider's assigned CO codes and thousands-blocks into an Industry database that is used by the Industry for routing and rating of calls. NANPA is permitted to charge a fee and a contract between the service provider and NANPA is required. Providers of this data entry service are identified as AOCNs and the company providing the data input service has come to be called the service provider's "AOCN."

Although NANPA is required to provide the AOCN 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.

14.3 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 a hearing in person or requires local counsel to represent NANPA, 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.

NANPA did not present any oral or written testimony for any projects in 2023. NANPA did participate in the following state regulatory NPA relief proceedings:

- February 7: Recorded webcast for California Proceeding A.22-09-016 for relief of the 530 NPA
- April 5: Attended the prehearing conference for California Proceeding A.23-01-012 for relief of the 559 NPA
- August 15: Attended the prehearing conference for Colorado Proceeding No. 23V-0274T for relief of the 970 NPA.

14.4 NANPA WEBSITES

The NANPA, Pooling, and p-ANI websites are the primary public resources for numbering information. They provide complete descriptions of the different services offered by NANPA including CO code, thousands-block pooling, non-geographic, and p-ANI 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 be easily accessed via the websites. NPA maps, PLs, reclamation contacts and procedures, FCC numbering orders, contract-required reports to the

FCC, User Guides and other documents are readily available. In addition, contact information for NANPA staff members, interconnected VoIP 30-day notification regulatory processes, and state numbering contacts, are posted on the website. The NANPA, Pooling, and RNA/p-ANI websites are also the gateways to access the secure sections of NAS, PAS and RNAS.

Popular on the websites are the numerous downloadable reports relating to the various resources NANPA administers. Many of the reports are available real-time, providing the most up-to-date source on resource availability and are also available in a downloadable format (text, csv, and Excel™).

Some of the frequently-accessed reports on the NANPA website include:

- The *Central Office Code Availability* and *Central Office Code Utilized* reports provide up-to-date lists of all CO codes available or unavailable for assignment by geographic area code.
- The *Central Office Code Assignment Activity* records provide the quantity of CO codes assigned and returned for each geographic area code on a monthly basis.
- The *NPA Relief Planning Activities Status* report provides information on all active and pending NPA relief projects in the U.S.

Some of the frequently-accessed reports on the Thousands-Block Pooling website include:

- The *Block Report* that displays a list of thousands-blocks that are available, assigned or retained by State, NPA and Rate Center. On the Blocks Available Report thousands-blocks in **RED** are pending verification of activation in PSTN. Thousands-blocks in **BLACK** are Available Blocks with a future thousands-block available date.
- The *NPA/Rate Center Report* contains a list of rate centers by NPA. The list includes the rate center's pooling status, Local Access and Transport Area (LATA), and if applicable the FCC top 100 MSA Name.
- The *Pool Tracking Report* shows the available and forecasted thousands-blocks and CO code forecasted demand information for each rate center within the requested NPA.

There are also various documents available through the websites to assist the user. As an example, for NRUF reporting, the following documentation is available:

- NRUF Form 502, Geographic and Non-Geographic instructions for completing the Form 502, Geographic and Non-Geographic Job Aids
- NAS NRUF On-Line User Guide and Quick Reference Guide, Rate Center Abbreviations
- NRUF Preparation Checklist and list of common errors and associated solutions when completing the Form 502

Similar types of documents are available for CO Code, Thousands-Block and p-ANI Administration and Area Code Relief Planning as well as NAS, PAS, and RNAS User Guides, which provide detailed instructions on the use of the systems.

The home pages of the websites offer links to recent information or activity, under the “What’s New” section. Also included are the “NANPA Fast Track” and Thousands-Block Pooling “Quick Links” containing links to the most visited pages on the website.

The websites include other useful information such as:

- The *New Service Provider Checklist* is a list of helpful tips to assist new service providers in getting started with the pooling process
- Contact sheets for state and reclamation regulatory contacts, state 30-day notification processes for interconnected VoIP providers including state commission contact information for questions, and the Safety Valve (State Waiver) Process

NANPA continues to host instructional videos on the NANPA, Pooling and p-ANI websites and viewing activity remains consistent with previous years.

- For the NANPA website, there were 107 views for four videos. The most popular video was “How to Request an Initial Central Office Code in a Pooling Area” which had 55 views.
- For the Thousands-Block Pooling website, there were 102 views for 17 videos. The most popular was “New To Pooling - Quick Start” which had 34 views.
- For the p-ANI website, there were 22 views for six of the nine videos with the most popular being “Create/Modify p-ANI Forecasts” with 8 views.

14.5 SUPPORT FOR NANP COUNTRIES OTHER THAN THE UNITED STATES

The NANP is unique among the world’s telecommunications numbering plans in that it serves 20 independent countries. These countries include the U.S. and its territories²⁵, Canada, Bermuda, Anguilla, Antigua and Barbuda, the Bahamas, Barbados, the British Virgin Islands, the Cayman Islands, Dominica, the Dominican Republic, Grenada, Jamaica, Montserrat, Sint Maarten, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, and Turks and Caicos.

One of NANPA’s 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 the U.S., Canada, Anguilla, Sint Maarten and Bermuda use CICs. United States and Canadian entities offer 900 services and thus share the supply of 900-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.

²⁵ American Samoa, Guam, Puerto Rico and the U.S Virgin Islands

14.6 SUPPORT FOR STATE REGULATORS

NANPA frequently communicates with state regulatory numbering contacts (states) in support of their needs for numbering information.

In 2023, NANPA continued to provide states with the number utilization data collected via semi-annual NRUF reporting and assisted states with following up with the appropriate service providers regarding this data. This includes providing real-time access to NRUF data via NAS, with various reports and queries available to search and analyze the data, as well as providing ongoing assistance with using the NRUF reporting capabilities available to them in the system.

Throughout the year, NANPA worked with states concerning the reclamation or conservation of assigned resources. Activity included coordinating with the states to identify and recover abandoned CO codes and thousands-blocks, seeking a SP to take over disconnected CO codes and thousands-blocks, as well as transferring assigned CO codes to avoid opening new CO codes for LRN purposes.

NANPA continued to supply states that request it with daily application activity reports (Part 1, Part 1A, Part 3 and Part 3A reports), which provide a listing on a daily, weekly, or monthly basis of all applications submitted and processed by NANPA for the area codes in their state. These reports include the tracking numbers, the Company Name, Parent Company Name and Operating Company Numbers associated with the application, the total amount of the resource requested, if applicable, and the application type (e.g., thousands-block, CO code, modification, or disconnect).

NANPA interfaced with states to address specific issues or concerns associated with individual service provider requests for resources. For example, when an NPA exhaust date approaches, NANPA notifies the state about the latest exhaust projection. NANPA representatives and states regularly discuss activity associated with NPA exhaust and active, pending or planned NPA relief projects.

NANPA continued to facilitate quarterly meetings with state numbering contacts, providing updates on resource administration activity, NPA Relief Planning, NRUF, iVoIP provider authorizations and 30-day notification processes, relevant INC issues, FCC and NANC activities.

NANPA supports states throughout the year by providing education on resource administration processes, website navigation, and responds to email and telephone inquiries. Inquiries relate to such issues as application processing, state waiver rules, service provider authorization, LRN CO code transfers, iVoIP processes, and reclamation.

NANPA conducted 11 virtual educational meetings about the numbering processes for state regulatory staff, which is equal to the number completed in previous years. NANPA develops a comprehensive state-specific numbering overview highlighting pertinent information relating to that state which also serves as a reference document for future questions. The goal in conducting numbering overview sessions for states is to make it easier for staff to respond to numbering issues

in their states. During the educational meetings in 2023, NANPA reviewed various numbering rules, resource application processing, reclamation, forecasting, iVoIP requirements and activity, NPA relief processes, as well as information about navigation of the public and secure areas of the websites.

ATTACHMENT 1
NPAS IN SERVICE AS OF DECEMBER 31, 2023
BY LOCATION

NPAs labeled with an asterisk (*) were placed in service in 2023

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
ALABAMA	205	205/659	10D
ALABAMA	251	N/A	10D
ALABAMA	256	256/938	10D
ALABAMA	334	N/A	7D
ALABAMA	659	205/659	10D
ALABAMA	938	256/938	10D
ALASKA	907	N/A	10D
AMERICAN SAMOA	684	N/A	7D
ANGUILLA	264	N/A	7D
ANTIGUA/BARBUDA	268	N/A	7D
ARIZONA	480	480/602/623	10D
ARIZONA	520	N/A	10D
ARIZONA	602	480/602/623	10D
ARIZONA	623	480/602/623	10D
ARIZONA	928	N/A	10D
ARKANSAS	479	N/A	7D
ARKANSAS	501	N/A	10D
ARKANSAS	870	N/A	7D
BAHAMAS	242	N/A	7D
BARBADOS	246	N/A	7D
BERMUDA	441	N/A	7D
BRITISH VIRGIN ISLANDS	284	N/A	7D
CALIFORNIA	209	209/350	1+10D
CALIFORNIA	213	213/323	1+10D

²⁶ For complete dialing plan information, see Attachment 4.

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
CALIFORNIA	279	279/916	1+10D
CALIFORNIA	310	310/424	1+10D
CALIFORNIA	323	213/323	1+10D
CALIFORNIA	341	341/510	1+10D
CALIFORNIA	350	209/350	1+10D
CALIFORNIA	*369	369/707	1+10D
CALIFORNIA	408	408/669	1+10D
CALIFORNIA	415	415/628	1+10D
CALIFORNIA	424	310/424	1+10D
CALIFORNIA	442	442/760	1+10D
CALIFORNIA	510	341/510	1+10D
CALIFORNIA	530	N/A	1+10D
CALIFORNIA	559	N/A	7D
CALIFORNIA	562	N/A	1+10D
CALIFORNIA	619	619/858	1+10D
CALIFORNIA	626	N/A	1+10D
CALIFORNIA	628	415/628	1+10D
CALIFORNIA	650	N/A	1+10D
CALIFORNIA	657	657/714	1+10D
CALIFORNIA	661	N/A	7D
CALIFORNIA	669	408/669	1+10D
CALIFORNIA	707	369/707	1+10D
CALIFORNIA	714	657/714	1+10D
CALIFORNIA	747	747/818	1+10D
CALIFORNIA	760	442/760	1+10D
CALIFORNIA	805	805/820	1+10D
CALIFORNIA	818	747/818	1+10D
CALIFORNIA	820	805/820	1+10D
CALIFORNIA	831	N/A	7D
CALIFORNIA	840	840/909	1+10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
CALIFORNIA	858	619/858	1+10D
CALIFORNIA	909	840/909	1+10D
CALIFORNIA	916	279/916	1+10D
CALIFORNIA	925	N/A	1+10D
CALIFORNIA	949	N/A	1+10D
CALIFORNIA	951	N/A	1+10D
CANADA, ALBERTA	368	368/403/587/780/825	10D
CANADA, ALBERTA	403	368/403/587/825	10D
CANADA, ALBERTA	587	368/403/587/780/825	10D
CANADA, ALBERTA	780	368/587/780/825	10D
CANADA, ALBERTA	825	368/403/587/780/825	10D
CANADA, BRITISH COLUMBIA	236	236/250/604/672/778	10D
CANADA, BRITISH COLUMBIA	250	236/250/672/778	10D
CANADA, BRITISH COLUMBIA	604	236/604/672/778	10D
CANADA, BRITISH COLUMBIA	672	236/250/604/672/778	10D
CANADA, BRITISH COLUMBIA	778	236/250/604/672/778	10D
CANADA, MANITOBA	204	204/431/584	10D
CANADA, MANITOBA	431	204/431/584	10D
CANADA, MANITOBA	584	204/431/584	10D
CANADA, NEW BRUNSWICK	*428	428/506	10D
CANADA, NEW BRUNSWICK	506	428/506	10D
CANADA, NEWFOUNDLAND AND LABRADOR	709	709/879	10D
CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	782	782/902	10D
CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	902	782/902	10D
CANADA, ONTARIO	226	226/382/519/548	10D
CANADA, ONTARIO	249	249/683/705	10D
CANADA, ONTARIO	289	289/365/742/905	10D
CANADA, ONTARIO	343	343/613/753	10D
CANADA, ONTARIO	365	289/365/742/905	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
CANADA, ONTARIO	*382	226/382/519/548	10D
CANADA, ONTARIO	416	416/437/647	10D
CANADA, ONTARIO	437	416/437/647	10D
CANADA, ONTARIO	519	226/382/519/548	10D
CANADA, ONTARIO	548	226/382/519/548	10D
CANADA, ONTARIO	613	343/613/753	10D
CANADA, ONTARIO	647	416/437/647	10D
CANADA, ONTARIO	683	249/683/705	10D
CANADA, ONTARIO	705	249/683/705	10D
CANADA, ONTARIO	742	289/365/742/905	10D
CANADA, ONTARIO	753	343/613/753	10D
CANADA, ONTARIO	807	N/A	10D
CANADA, ONTARIO	905	289/365/742/905	10D
CANADA, QUEBEC	263	263/438/514	10D
CANADA, QUEBEC	354	354/450/579	10D
CANADA, QUEBEC	367	367/418/581	10D
CANADA, QUEBEC	418	367/418/581	10D
CANADA, QUEBEC	438	263/438/514	10D
CANADA, QUEBEC	450	354/450/579	10D
CANADA, QUEBEC	468	468/819/873	10D
CANADA, QUEBEC	514	263/438/514	10D
CANADA, QUEBEC	579	354/450/579	10D
CANADA, QUEBEC	581	367/418/581	10D
CANADA, QUEBEC	819	468/819/873	10D
CANADA, QUEBEC	873	468/819/873	10D
CANADA, SASKATCHEWAN	306	306/474/639	10D
CANADA, SASKATCHEWAN	474	306/474/639	10D
CANADA, SASKATCHEWAN	639	306/474/639	10D
CANADA, YUKON & NORTHWEST TERRITORIES & NUNAVUT	867	N/A	10D
CAYMAN ISLANDS	345	N/A	7D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
COLORADO	303	303/720/983	10D
COLORADO	719	N/A	10D
COLORADO	720	303/720/983	10D
COLORADO	970	N/A	10D
COLORADO	983	303/720/983	10D
COMMONWEALTH OF NORTHERN MARIANA ISLANDS	670	N/A	7D
CONNECTICUT	203	203/475	10D
CONNECTICUT	475	203/475	10D
CONNECTICUT	860	860/959	10D
CONNECTICUT	959	860/959	10D
DELAWARE	302	N/A	10D
DISTRICT OF COLUMBIA	202	202/771	10D
DISTRICT OF COLUMBIA	771	202/771	10D
DOMINICA	767	N/A	7D
DOMINICAN REPUBLIC	809	809/829/849	10D
DOMINICAN REPUBLIC	829	809/829/849	10D
DOMINICAN REPUBLIC	849	809/829/849	10D
FLORIDA	239	N/A	7D
FLORIDA	305	305/645/786	10D
FLORIDA	321	321/407/689 (321 ONLY ASSIGNABLE IN BREVARD COUNTY)	10D
FLORIDA	352	N/A	10D
FLORIDA	386	N/A	7D
FLORIDA	407	321/407/689	10D
FLORIDA	448	448/850	10D
FLORIDA	561	561/728	10D
FLORIDA	*645	305/645/786	10D
FLORIDA	656	656/813	10D
FLORIDA	689	321/407/689	10D
FLORIDA	727	N/A	7D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
FLORIDA	*728	561/728	10D
FLORIDA	754	754/954	10D
FLORIDA	772	N/A	7D
FLORIDA	786	305/645/786	10D
FLORIDA	813	656/813	10D
FLORIDA	850	448/850	10D
FLORIDA	863	N/A	7D
FLORIDA	904	N/A	7D
FLORIDA	941	N/A	10D
FLORIDA	954	754/954	10D
GEORGIA	229	N/A	7D
GEORGIA	404	404/470/678/943	10D
GEORGIA	470	404/470/678/770/943	10D
GEORGIA	478	N/A	10D
GEORGIA	678	404/470/678/770/943	10D
GEORGIA	706	706/762	10D
GEORGIA	762	706/762	10D
GEORGIA	770	470/678/770/943	10D
GEORGIA	912	N/A	10D
GEORGIA	943	404/470/678/770/943	10D
GRENADA	473	N/A	7D
GUAM	671	N/A	10D
HAWAII	808	N/A	10D
IDAHO	208	208/986	10D
IDAHO	986	208/986	10D
ILLINOIS	217	217/447	10D
ILLINOIS	224	224/847	1+10D
ILLINOIS	309	309/861	10D
ILLINOIS	312	312/872	1+10D
ILLINOIS	331	331/630	1+10D
ILLINOIS	447	217/447	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
ILLINOIS	464	464/708	1+10D
ILLINOIS	618	618/730	10D
ILLINOIS	630	331/630	1+10D
ILLINOIS	708	464/708	1+10D
ILLINOIS	*730	618/730	10D
ILLINOIS	773	773/872	1+10D
ILLINOIS	779	779/815	1+10D
ILLINOIS	815	779/815	1+10D
ILLINOIS	847	224/847	1+10D
ILLINOIS	*861	309/861	10D
ILLINOIS	872	312/773/872	1+10D
INDIANA	219	N/A	10D
INDIANA	260	N/A	7D
INDIANA	317	317/463	10D
INDIANA	463	317/463	10D
INDIANA	574	N/A	10D
INDIANA	765	N/A	7D
INDIANA	812	812/930	10D
INDIANA	930	812/930	10D
IOWA	319	N/A	10D
IOWA	515	N/A	10D
IOWA	563	N/A	7D
IOWA	641	N/A	7D
IOWA	712	N/A	7D
JAMAICA	658	658/876	10D
JAMAICA	876	658/876	10D
KANSAS	316	N/A	7D
KANSAS	620	N/A	10D
KANSAS	785	N/A	10D
KANSAS	913	N/A	7D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
KENTUCKY	270	270/364	10D
KENTUCKY	364	270/364	10D
KENTUCKY	502	N/A	7D
KENTUCKY	606	N/A	7D
KENTUCKY	859	N/A	10D
LOUISIANA	225	N/A	7D
LOUISIANA	318	N/A	7D
LOUISIANA	337	N/A	10D
LOUISIANA	504	N/A	10D
LOUISIANA	985	N/A	7D
MAINE	207	N/A	7D
MARYLAND	*227	227/240/301	10D
MARYLAND	240	227/240/301	10D
MARYLAND	301	227/240/301	10D
MARYLAND	410	410/443/667	10D
MARYLAND	443	410/443/667	10D
MARYLAND	667	410/443/667	10D
MASSACHUSETTS	339	339/781	10D
MASSACHUSETTS	351	351/978	10D
MASSACHUSETTS	413	N/A	7D
MASSACHUSETTS	508	508/774	10D
MASSACHUSETTS	617	617/857	10D
MASSACHUSETTS	774	508/774	10D
MASSACHUSETTS	781	339/781	10D
MASSACHUSETTS	857	617/857	10D
MASSACHUSETTS	978	351/978	10D
MICHIGAN	231	N/A	7D
MICHIGAN	248	248/947	10D
MICHIGAN	269	N/A	7D
MICHIGAN	313	N/A	7D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
MICHIGAN	517	N/A	7D
MICHIGAN	586	N/A	7D
MICHIGAN	616	N/A	10D
MICHIGAN	734	N/A	7D
MICHIGAN	810	N/A	10D
MICHIGAN	906	N/A	10D
MICHIGAN	947	248/947	10D
MICHIGAN	989	N/A	10D
MINNESOTA	218	N/A	10D
MINNESOTA	320	N/A	7D
MINNESOTA	507	N/A	7D
MINNESOTA	612	N/A	7D
MINNESOTA	651	N/A	7D
MINNESOTA	763	N/A	7D
MINNESOTA	952	N/A	10D
MISSISSIPPI	228	N/A	7D
MISSISSIPPI	601	601/769	10D
MISSISSIPPI	662	N/A	10D
MISSISSIPPI	769	601/769	10D
MISSOURI	314	314/557	10D
MISSOURI	417	N/A	10D
MISSOURI	557	314/557	10D
MISSOURI	573	N/A	7D
MISSOURI	636	N/A	7D
MISSOURI	660	N/A	10D
MISSOURI	816	816/975	10D
MISSOURI	*975	816/975	10D
MONTANA	406	N/A	10D
MONTERRAT	664	N/A	7D
NEBRASKA	308	N/A	7D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
NEBRASKA	402	402/531	10D
NEBRASKA	531	402/531	10D
NEVADA	702	702/725	10D
NEVADA	725	702/725	10D
NEVADA	775	N/A	10D
NEW HAMPSHIRE	603	N/A	10D
NEW JERSEY	201	201/551	10D
NEW JERSEY	551	201/551	10D
NEW JERSEY	609	609/640	10D
NEW JERSEY	640	609/640	10D
NEW JERSEY	732	732/848	10D
NEW JERSEY	848	732/848	10D
NEW JERSEY	856	N/A	10D
NEW JERSEY	862	862/973	10D
NEW JERSEY	908	N/A	10D
NEW JERSEY	973	862/973	10D
NEW MEXICO	505	N/A	10D
NEW MEXICO	575	N/A	10D
NEW YORK	212	212/332/646/917	1+10D
NEW YORK	315	315/680	10D
NEW YORK	*329	329/845	10D
NEW YORK	332	212/332/646/917	1+10D
NEW YORK	347	347/718/917/929	1+10D
NEW YORK	*363	363/516	10D
NEW YORK	516	363/516	10D
NEW YORK	518	518/838	10D
NEW YORK	585	N/A	7D
NEW YORK	607	N/A	10D
NEW YORK	*624	624/716	10D
NEW YORK	631	631/934	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
NEW YORK	646	212/332/646/917	1+10D
NEW YORK	680	315/680	10D
NEW YORK	716	624/716	10D
NEW YORK	718	347/718/917/929	1+10D
NEW YORK	838	518/838	10D
NEW YORK	845	329/845	10D
NEW YORK	914	N/A	10D
NEW YORK	917	212/332/646/917	1+10D
NEW YORK	929	347/718/917/929	1+10D
NEW YORK	934	631/934	10D
NORTH CAROLINA	252	N/A	7D
NORTH CAROLINA	336	336/743	10D
NORTH CAROLINA	472	472/910	10D
NORTH CAROLINA	704	704/980	10D
NORTH CAROLINA	743	336/743	10D
NORTH CAROLINA	828	N/A	7D
NORTH CAROLINA	910	472/910	10D
NORTH CAROLINA	919	919/984	10D
NORTH CAROLINA	980	704/980	10D
NORTH CAROLINA	984	919/984	10D
NORTH DAKOTA	701	N/A	7D
OHIO	216	N/A	7D
OHIO	220	220/740	10D
OHIO	234	234/330	10D
OHIO	*283	283/513	10D
OHIO	326	326/937	10D
OHIO	330	234/330	10D
OHIO	380	380/614	10D
OHIO	419	419/567	10D
OHIO	440	N/A	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
OHIO	513	283/513	10D
OHIO	567	419/567	10D
OHIO	614	380/614	10D
OHIO	740	220/740	10D
OHIO	937	326/937	10D
OKLAHOMA	405	405/572	10D
OKLAHOMA	539	539/918	10D
OKLAHOMA	572	405/572	10D
OKLAHOMA	580	N/A	7D
OKLAHOMA	918	539/918	10D
OREGON	458	458/541	10D
OREGON	503	503/971	10D
OREGON	541	458/541	10D
OREGON	971	503/971	10D
PENNSYLVANIA	215	215/267/445	10D
PENNSYLVANIA	223	223/717	10D
PENNSYLVANIA	267	215/267/445	10D
PENNSYLVANIA	272	272/570	10D
PENNSYLVANIA	412	412/878	10D
PENNSYLVANIA	445	215/267/445	10D
PENNSYLVANIA	484	484/610/835	10D
PENNSYLVANIA	570	272/570	10D
PENNSYLVANIA	582	582/814	10D
PENNSYLVANIA	610	484/610/835	10D
PENNSYLVANIA	717	223/717	10D
PENNSYLVANIA	724	724/878	10D
PENNSYLVANIA	814	582/814	10D
PENNSYLVANIA	835	484/610/835	10D
PENNSYLVANIA	878	412/724/878	10D
PUERTO RICO	787	787/939	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
PUERTO RICO	939	787/939	10D
RHODE ISLAND	401	N/A	7D
SINT MAARTEN	721	N/A	7D
SOUTH CAROLINA	803	803/839	10D
SOUTH CAROLINA	839	803/839	10D
SOUTH CAROLINA	843	843/854	10D
SOUTH CAROLINA	854	843/854	10D
SOUTH CAROLINA	864	N/A	7D
SOUTH DAKOTA	605	N/A	10D
ST. KITTS & NEVIS	869	N/A	7D
ST. LUCIA	758	N/A	7D
ST. VINCENT & GRENADINES	784	N/A	7D
TENNESSEE	423	N/A	7D
TENNESSEE	615	615/629	10D
TENNESSEE	629	615/629	10D
TENNESSEE	731	N/A	10D
TENNESSEE	865	N/A	10D
TENNESSEE	901	N/A	7D
TENNESSEE	931	N/A	7D
TEXAS	210	210/726	10D
TEXAS	214	214/469/945/972	10D
TEXAS	254	N/A	10D
TEXAS	281	281/346/713/832	10D
TEXAS	325	N/A	7D
TEXAS	346	281/346/713/832	10D
TEXAS	361	N/A	10D
TEXAS	409	N/A	10D
TEXAS	430	430/930	10D
TEXAS	432	N/A	7D
TEXAS	469	214/469/945/972	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
TEXAS	512	512/737	10D
TEXAS	682	682/817	10D
TEXAS	713	281/346/713/832	10D
TEXAS	726	210/726	10D
TEXAS	737	512/737	10D
TEXAS	806	N/A	10D
TEXAS	817	682/817	10D
TEXAS	830	N/A	10D
TEXAS	832	281/346/713/832	10D
TEXAS	903	430/903	10D
TEXAS	915	N/A	10D
TEXAS	936	N/A	7D
TEXAS	940	N/A	10D
TEXAS	945	214/469/945/972	10D
TEXAS	956	N/A	7D
TEXAS	972	214/469/945/972	10D
TEXAS	979	N/A	7D
TRINIDAD & TOBAGO	868	N/A	7D
TURKS & CAICOS ISLANDS	649	N/A	7D
US VIRGIN ISLANDS	340	N/A	7D
UTAH	385	385/801	10D
UTAH	435	N/A	7D
UTAH	801	385/801	10D
VERMONT	802	N/A	10D
VIRGINIA	276	N/A	10D
VIRGINIA	434	N/A	7D
VIRGINIA	540	540/826	10D
VIRGINIA	571	571/703	10D
VIRGINIA	703	571/703	10D
VIRGINIA	757	757/948	10D

LOCATION	NPA	OVERLAY COMPLEX	LOCAL DIALING ²⁶ PLAN
VIRGINIA	804	N/A	10D
VIRGINIA	826	540/826	10D
VIRGINIA	948	757/948	10D
WASHINGTON	206	N/A	10D
WASHINGTON	253	N/A	10D
WASHINGTON	360	360/564	10D
WASHINGTON	425	N/A	10D
WASHINGTON	509	N/A	10D
WASHINGTON	564	360/564	10D
WEST VIRGINIA	304	304/681	10D
WEST VIRGINIA	681	304/681	10D
WISCONSIN	262	N/A	10D
WISCONSIN	*274	274/920	10D
WISCONSIN	*353	353/608	10D
WISCONSIN	414	N/A	10D
WISCONSIN	534	534/715	10D
WISCONSIN	608	353/608	10D
WISCONSIN	715	534/715	10D
WISCONSIN	920	274/920	10D
WYOMING	307	N/A	7D

ATTACHMENT 2
NPAS IN SERVICE AS OF DECEMBER 31, 2023
SORTED BY NPA

NPAs labeled with an asterisk (*) were placed in service in 2023

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING²⁷ PLAN
201	NEW JERSEY	201/551	10D
202	DISTRICT OF COLUMBIA	202/771	10D
203	CONNECTICUT	203/475	10D
204	CANADA, MANITOBA	204/431/584	10D
205	ALABAMA	205/659	10D
206	WASHINGTON	N/A	10D
207	MAINE	N/A	7D
208	IDAHO	208/986	10D
209	CALIFORNIA	209/350	1+10D
210	TEXAS	210/726	10D
212	NEW YORK	212/332/646/917	1+10D
213	CALIFORNIA	213/323	1+10D
214	TEXAS	214/469/945/972	10D
215	PENNSYLVANIA	215/267/445	10D
216	OHIO	N/A	7D
217	ILLINOIS	217/447	10D
218	MINNESOTA	N/A	10D
219	INDIANA	N/A	10D
220	OHIO	220/740	10D
223	PENNSYLVANIA	223/717	10D
224	ILLINOIS	224/847	1+10D
225	LOUISIANA	N/A	7D
226	CANADA, ONTARIO	226/382/519/548	10D
*227	MARYLAND	227/240/301	10D

²⁷ For complete dialing plan information, see Attachment 4.

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
228	MISSISSIPPI	N/A	7D
229	GEORGIA	N/A	7D
231	MICHIGAN	N/A	7D
234	OHIO	234/330	10D
236	CANADA, BRITISH COLUMBIA	236/250/604/672/778	10D
239	FLORIDA	N/A	7D
240	MARYLAND	227/240/301	10D
242	BAHAMAS	N/A	7D
246	BARBADOS	N/A	7D
248	MICHIGAN	248/947	10D
249	CANADA, ONTARIO	249/683/705	10D
250	CANADA, BRITISH COLUMBIA	236/250/672/778	10D
251	ALABAMA	N/A	10D
252	NORTH CAROLINA	N/A	7D
253	WASHINGTON	N/A	10D
254	TEXAS	N/A	10D
256	ALABAMA	256/938	10D
260	INDIANA	N/A	7D
262	WISCONSIN	N/A	10D
263	CANADA, QUEBEC	263/438/514	10D
264	ANGUILLA	N/A	7D
267	PENNSYLVANIA	215/267/445	10D
268	ANTIGUA/BARBUDA	N/A	7D
269	MICHIGAN	N/A	7D
270	KENTUCKY	270/364	10D
272	PENNSYLVANIA	272/570	10D
*274	WISCONSIN	274/920	10D
276	VIRGINIA	N/A	10D
279	CALIFORNIA	279/916	1+10D
281	TEXAS	281/346/713/832	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
*283	OHIO	283/513	10D
284	BRITISH VIRGIN ISLANDS	N/A	7D
289	CANADA, ONTARIO	289/365/742/905	10D
301	MARYLAND	227/240/301	10D
302	DELAWARE	N/A	10D
303	COLORADO	303/720/983	10D
304	WEST VIRGINIA	304/681	10D
305	FLORIDA	305/645/786	10D
306	CANADA, SASKATCHEWAN	306/474/639	10D
307	WYOMING	N/A	7D
308	NEBRASKA	N/A	7D
309	ILLINOIS	309/861	10D
310	CALIFORNIA	310/424	1+10D
312	ILLINOIS	312/872	1+10D
313	MICHIGAN	N/A	7D
314	MISSOURI	314/557	10D
315	NEW YORK	315/680	10D
316	KANSAS	N/A	7D
317	INDIANA	317/463	10D
318	LOUISIANA	N/A	7D
319	IOWA	N/A	10D
320	MINNESOTA	N/A	7D
321	FLORIDA	321/407/689 (321 ONLY ASSIGNABLE IN BREVARD COUNTY)	10D
323	CALIFORNIA	213/323	1+10D
325	TEXAS	N/A	7D
326	OHIO	326/937	10D
*329	NEW YORK	329/845	10D
330	OHIO	234/330	10D
331	ILLINOIS	331/630	1+10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
332	NEW YORK	212/332/646/917	1+10D
334	ALABAMA	N/A	7D
336	NORTH CAROLINA	336/743	10D
337	LOUISIANA	N/A	10D
339	MASSACHUSETTS	339/781	10D
340	US VIRGIN ISLANDS	N/A	7D
341	CALIFORNIA	341/510	1+10D
343	CANADA, ONTARIO	343/613/753	10D
345	CAYMAN ISLANDS	N/A	7D
346	TEXAS	281/346/713/832	10D
347	NEW YORK	347/718/917/929	1+10D
350	CALIFORNIA	209/350	1+10D
351	MASSACHUSETTS	351/978	10D
352	FLORIDA	N/A	10D
*353	WISCONSIN	353/608	10D
354	CANADA, QUEBEC	354/450/579	10D
360	WASHINGTON	360/564	10D
361	TEXAS	N/A	10D
*363	NEW YORK	363/516	10D
364	KENTUCKY	270/364	10D
365	CANADA, ONTARIO	289/365/742/905	10D
367	CANADA, QUEBEC	367/418/581	10D
368	CANADA, ALBERTA	368/403/587/780/825	10D
*369	CALIFORNIA	369/707	1+10D
380	OHIO	380/614	10D
*382	CANADA, ONTARIO	226/382/519/548	10D
385	UTAH	385/801	10D
386	FLORIDA	N/A	7D
401	RHODE ISLAND	N/A	7D
402	NEBRASKA	402/531	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
403	CANADA, ALBERTA	368/403/587/825	10D
404	GEORGIA	404/470/678/943	10D
405	OKLAHOMA	405/572	10D
406	MONTANA	N/A	10D
407	FLORIDA	321/407/689	10D
408	CALIFORNIA	408/669	1+10D
409	TEXAS	N/A	10D
410	MARYLAND	410/443/667	10D
412	PENNSYLVANIA	412/878	10D
413	MASSACHUSETTS	N/A	7D
414	WISCONSIN	N/A	10D
415	CALIFORNIA	415/628	1+10D
416	CANADA, ONTARIO	416/437/647	10D
417	MISSOURI	N/A	10D
418	CANADA, QUEBEC	367/418/581	10D
419	OHIO	419/567	10D
423	TENNESSEE	N/A	7D
424	CALIFORNIA	310/424	1+10D
425	WASHINGTON	N/A	10D
*428	CANADA, NEW BRUNSWICK	428/506	10D
430	TEXAS	430/930	10D
431	CANADA, MANITOBA	204/431/584	10D
432	TEXAS	N/A	7D
434	VIRGINIA	N/A	7D
435	UTAH	N/A	7D
437	CANADA, ONTARIO	416/437/647	10D
438	CANADA, QUEBEC	263/438/514	10D
440	OHIO	N/A	10D
441	BERMUDA	N/A	7D
442	CALIFORNIA	442/760	1+10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
443	MARYLAND	410/443/667	10D
445	PENNSYLVANIA	215/267/445	10D
447	ILLINOIS	217/447	10D
448	FLORIDA	448/850	10D
450	CANADA, QUEBEC	354/450/579	10D
458	OREGON	458/541	10D
463	INDIANA	317/463	10D
464	ILLINOIS	464/708	1+10D
468	CANADA, QUEBEC	468/819/873	10D
469	TEXAS	214/469/945/972	10D
470	GEORGIA	404/470/678/770/943	10D
472	NORTH CAROLINA	472/910	10D
473	GRENADA	N/A	7D
474	CANADA, SASKATCHEWAN	306/474/639	10D
475	CONNECTICUT	203/475	10D
478	GEORGIA	N/A	10D
479	ARKANSAS	N/A	7D
480	ARIZONA	480/602/623	10D
484	PENNSYLVANIA	484/610/835	10D
501	ARKANSAS	N/A	10D
502	KENTUCKY	N/A	7D
503	OREGON	503/971	10D
504	LOUISIANA	N/A	10D
505	NEW MEXICO	N/A	10D
506	CANADA, NEW BRUNSWICK	428/506	10D
507	MINNESOTA	N/A	7D
508	MASSACHUSETTS	508/774	10D
509	WASHINGTON	N/A	10D
510	CALIFORNIA	341/510	1+10D
512	TEXAS	512/737	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
513	OHIO	283/513	10D
514	CANADA, QUEBEC	263/438/514	10D
515	IOWA	N/A	10D
516	NEW YORK	363/516	10D
517	MICHIGAN	N/A	7D
518	NEW YORK	518/838	10D
519	CANADA, ONTARIO	226/382/519/548	10D
520	ARIZONA	N/A	10D
530	CALIFORNIA	N/A	1+10D
531	NEBRASKA	402/531	10D
534	WISCONSIN	534/715	10D
539	OKLAHOMA	539/918	10D
540	VIRGINIA	540/826	10D
541	OREGON	458/541	10D
548	CANADA, ONTARIO	226/382/519/548	10D
551	NEW JERSEY	201/551	10D
557	MISSOURI	314/557	10D
559	CALIFORNIA	N/A	7D
561	FLORIDA	561/728	10D
562	CALIFORNIA	N/A	1+10D
563	IOWA	N/A	7D
564	WASHINGTON	360/564	10D
567	OHIO	419/567	10D
570	PENNSYLVANIA	272/570	10D
571	VIRGINIA	571/703	10D
572	OKLAHOMA	405/572	10D
573	MISSOURI	N/A	7D
574	INDIANA	N/A	10D
575	NEW MEXICO	N/A	10D
579	CANADA, QUEBEC	354/450/579	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
580	OKLAHOMA	N/A	7D
581	CANADA, QUEBEC	367/418/581	10D
582	PENNSYLVANIA	582/814	10D
584	CANADA, MANITOBA	204/431/584	10D
585	NEW YORK	N/A	7D
586	MICHIGAN	N/A	7D
587	CANADA, ALBERTA	368/403/587/780/825	10D
601	MISSISSIPPI	601/769	10D
602	ARIZONA	480/602/623	10D
603	NEW HAMPSHIRE	N/A	10D
604	CANADA, BRITISH COLUMBIA	236/604/672/778	10D
605	SOUTH DAKOTA	N/A	10D
606	KENTUCKY	N/A	7D
607	NEW YORK	N/A	10D
608	WISCONSIN	353/608	10D
609	NEW JERSEY	609/640	10D
610	PENNSYLVANIA	484/610/835	10D
612	MINNESOTA	N/A	7D
613	CANADA, ONTARIO	343/613/753	10D
614	OHIO	380/614	10D
615	TENNESSEE	615/629	10D
616	MICHIGAN	N/A	10D
617	MASSACHUSETTS	617/857	10D
618	ILLINOIS	618/730	10D
619	CALIFORNIA	619/858	1+10D
620	KANSAS	N/A	10D
623	ARIZONA	480/602/623	10D
*624	NEW YORK	624/716	10D
626	CALIFORNIA	N/A	1+10D
628	CALIFORNIA	415/628	1+10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
629	TENNESSEE	615/629	10D
630	ILLINOIS	331/630	1+10D
631	NEW YORK	631/934	10D
636	MISSOURI	N/A	7D
639	CANADA, SASKATCHEWAN	306/474/639	10D
640	NEW JERSEY	609/640	10D
641	IOWA	N/A	7D
*645	FLORIDA	305/645/786	10D
646	NEW YORK	212/332/646/917	1+10D
647	CANADA, ONTARIO	416/437/647	10D
649	TURKS & CAICOS ISLANDS	N/A	7D
650	CALIFORNIA	N/A	1+10D
651	MINNESOTA	N/A	7D
656	FLORIDA	656/813	10D
657	CALIFORNIA	657/714	1+10D
658	JAMAICA	658/876	10D
659	ALABAMA	205/659	10D
660	MISSOURI	N/A	10D
661	CALIFORNIA	N/A	7D
662	MISSISSIPPI	N/A	10D
664	MONTERRAT	N/A	7D
667	MARYLAND	410/443/667	10D
669	CALIFORNIA	408/669	1+10D
670	COMMONWEALTH OF NORTHERN MARIANA ISLANDS	N/A	7D
671	GUAM	N/A	10D
672	CANADA, BRITISH COLUMBIA	236/250/604/672/778	10D
678	GEORGIA	404/470/678/770/943	10D
680	NEW YORK	315/680	10D
681	WEST VIRGINIA	304/681	10D
682	TEXAS	682/817	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
683	CANADA, ONTARIO	249/683/705	10D
684	AMERICAN SAMOA	N/A	7D
689	FLORIDA	321/407/689	10D
701	NORTH DAKOTA	N/A	7D
702	NEVADA	702/725	10D
703	VIRGINIA	571/703	10D
704	NORTH CAROLINA	704/980	10D
705	CANADA, ONTARIO	249/683/705	10D
706	GEORGIA	706/762	10D
707	CALIFORNIA	369/707	1+10D
708	ILLINOIS	464/708	1+10D
709	CANADA, NEWFOUNDLAND AND LABRADOR	709/879	10D
712	IOWA	N/A	7D
713	TEXAS	281/346/713/832	10D
714	CALIFORNIA	657/714	1+10D
715	WISCONSIN	534/715	10D
716	NEW YORK	624/716	10D
717	PENNSYLVANIA	223/717	10D
718	NEW YORK	347/718/917/929	1+10D
719	COLORADO	N/A	10D
720	COLORADO	303/720/983	10D
721	SINT MAARTEN	N/A	7D
724	PENNSYLVANIA	724/878	10D
725	NEVADA	702/725	10D
726	TEXAS	210/726	10D
727	FLORIDA	N/A	7D
*728	FLORIDA	561/728	10D
*730	ILLINOIS	618/730	10D
731	TENNESSEE	N/A	10D
732	NEW JERSEY	732/848	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
734	MICHIGAN	N/A	7D
737	TEXAS	512/737	10D
740	OHIO	220/740	10D
742	CANADA, ONTARIO	289/365/742/905	10D
743	NORTH CAROLINA	336/743	10D
747	CALIFORNIA	747/818	1+10D
753	CANADA, ONTARIO	343/613/753	10D
754	FLORIDA	754/954	10D
757	VIRGINIA	757/948	10D
758	ST. LUCIA	N/A	7D
760	CALIFORNIA	442/760	1+10D
762	GEORGIA	706/762	10D
763	MINNESOTA	N/A	7D
765	INDIANA	N/A	7D
767	DOMINICA	N/A	7D
769	MISSISSIPPI	601/769	10D
770	GEORGIA	470/678/770/943	10D
771	DISTRICT OF COLUMBIA	202/771	10D
772	FLORIDA	N/A	7D
773	ILLINOIS	773/872	1+10D
774	MASSACHUSETTS	508/774	10D
775	NEVADA	N/A	10D
778	CANADA, BRITISH COLUMBIA	236/250/604/672/778	10D
779	ILLINOIS	779/815	1+10D
780	CANADA, ALBERTA	368/587/780/825	10D
781	MASSACHUSETTS	339/781	10D
782	CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	782/902	10D
784	ST. VINCENT & GRENADINES	N/A	7D
785	KANSAS	N/A	10D
786	FLORIDA	305/645/786	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
787	PUERTO RICO	787/939	10D
801	UTAH	385/801	10D
802	VERMONT	N/A	10D
803	SOUTH CAROLINA	803/839	10D
804	VIRGINIA	N/A	10D
805	CALIFORNIA	805/820	1+10D
806	TEXAS	N/A	10D
807	CANADA, ONTARIO	N/A	10D
808	HAWAII	N/A	10D
809	DOMINICAN REPUBLIC	809/829/849	10D
810	MICHIGAN	N/A	10D
812	INDIANA	812/930	10D
813	FLORIDA	656/813	10D
814	PENNSYLVANIA	582/814	10D
815	ILLINOIS	779/815	1+10D
816	MISSOURI	816/975	10D
817	TEXAS	682/817	10D
818	CALIFORNIA	747/818	1+10D
819	CANADA, QUEBEC	468/819/873	10D
820	CALIFORNIA	805/820	1+10D
825	CANADA, ALBERTA	368/403/587/780/825	10D
826	VIRGINIA	540/826	10D
828	NORTH CAROLINA	N/A	7D
829	DOMINICAN REPUBLIC	809/829/849	10D
830	TEXAS	N/A	10D
831	CALIFORNIA	N/A	7D
832	TEXAS	281/346/713/832	10D
835	PENNSYLVANIA	484/610/835	10D
838	NEW YORK	518/838	10D
839	SOUTH CAROLINA	803/839	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
840	CALIFORNIA	840/909	1+10D
843	SOUTH CAROLINA	843/854	10D
845	NEW YORK	329/845	10D
847	ILLINOIS	224/847	1+10D
848	NEW JERSEY	732/848	10D
849	DOMINICAN REPUBLIC	809/829/849	10D
850	FLORIDA	448/850	10D
854	SOUTH CAROLINA	843/854	10D
856	NEW JERSEY	N/A	10D
857	MASSACHUSETTS	617/857	10D
858	CALIFORNIA	619/858	1+10D
859	KENTUCKY	N/A	10D
860	CONNECTICUT	860/959	10D
*861	ILLINOIS	309/861	10D
862	NEW JERSEY	862/973	10D
863	FLORIDA	N/A	7D
864	SOUTH CAROLINA	N/A	7D
865	TENNESSEE	N/A	10D
867	CANADA, YUKON & NORTHWEST TERRITORIES & NUNAVUT	N/A	10D
868	TRINIDAD & TOBAGO	N/A	7D
869	ST. KITTS & NEVIS	N/A	7D
870	ARKANSAS	N/A	7D
872	ILLINOIS	312/773/872	1+10D
873	CANADA, QUEBEC	468/819/873	10D
876	JAMAICA	658/876	10D
878	PENNSYLVANIA	412/724/878	10D
901	TENNESSEE	N/A	7D
902	CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	782/902	10D
903	TEXAS	430/903	10D
904	FLORIDA	N/A	7D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
905	CANADA, ONTARIO	289/365/742/905	10D
906	MICHIGAN	N/A	10D
907	ALASKA	N/A	10D
908	NEW JERSEY	N/A	10D
909	CALIFORNIA	840/909	1+10D
910	NORH CAROLINA	472/910	10D
912	GEORGIA	N/A	10D
913	KANSAS	N/A	7D
914	NEW YORK	N/A	10D
915	TEXAS	N/A	10D
916	CALIFORNIA	279/916	1+10D
917	NEW YORK	212/332/646/917	1+10D
918	OKLAHOMA	539/918	10D
919	NORTH CAROLINA	919/984	10D
920	WISCONSIN	274/920	10D
925	CALIFORNIA	N/A	1+10D
928	ARIZONA	N/A	10D
929	NEW YORK	347/718/917/929	1+10D
930	INDIANA	812/930	10D
931	TENNESSEE	N/A	7D
934	NEW YORK	631/934	10D
936	TEXAS	N/A	7D
937	OHIO	326/937	10D
938	ALABAMA	256/938	10D
939	PUERTO RICO	787/939	10D
940	TEXAS	N/A	10D
941	FLORIDA	N/A	10D
943	GEORGIA	404/470/678/770/943	10D
945	TEXAS	214/469/945/972	10D
947	MICHIGAN	248/947	10D

NPA	LOCATION	OVERLAY COMPLEX	LOCAL DIALING ²⁷ PLAN
948	VIRGINIA	757/948	10D
949	CALIFORNIA	N/A	1+10D
951	CALIFORNIA	N/A	1+10D
952	MINNESOTA	N/A	10D
954	FLORIDA	754/954	10D
956	TEXAS	N/A	7D
959	CONNECTICUT	860/959	10D
970	COLORADO	N/A	10D
971	OREGON	503/971	10D
972	TEXAS	214/469/945/972	10D
973	NEW JERSEY	862/973	10D
*975	MISSOURI	816/975	10D
978	MASSACHUSETTS	351/978	10D
979	TEXAS	N/A	7D
980	NORTH CAROLINA	704/980	10D
983	COLORADO	303/720/983	10D
984	NORTH CAROLINA	919/984	10D
985	LOUISIANA	N/A	7D
986	IDAHO	208/986	10D
989	MICHIGAN	N/A	10D

ATTACHMENT 3 NON-GEOGRAPHIC NPAS IN SERVICE

The table below lists the non-geographic NPAs in service as of December 31, 2023, including the type of service for each non-geographic NPA.

NPA	Service
500	Non-Geographic Services
521	Non-Geographic Services
522	Non-Geographic Services
523	Non-Geographic Services
524	Non-Geographic Services
525	Non-Geographic Services
526	Non-Geographic Services
527	Non-Geographic Services
528	Non-Geographic Services
529	Non-Geographic Services
533	Non-Geographic Services
544	Non-Geographic Services
566	Non-Geographic Services
577	Non-Geographic Services
588	Non-Geographic Services
600	Canadian Non-Geographic Tariffed Services
622	Canadian Non-Geographic Services
633	Canadian Non-Geographic Services
700	Interexchange Carrier Services
710	US Government
800	Toll-Free
833	Toll-Free
844	Toll-Free
855	Toll-Free
866	Toll-Free
877	Toll-Free
888	Toll-Free
900	Premium Services

NPA codes 500, 521, 522, 523, 524, 525, 526, 527, 528, 529, 533, 544, 566, 577, and 588 (5XX-NXX codes) are used for applications which are non-geographic in nature, are not assigned to rate centers and may or may not traverse the PSTN but do require an E.164 addressing scheme. The 532 NPA code was assigned on May 25, 2023, and is awaiting implementation. The use of this NANP numbering resource is to communicate with both fixed and mobile devices, some of which may be unattended. This resource may be used for applications enabling machines, which would include but not be limited to wireless devices and appliances, with the ability to share information with back-office control and database systems and with the people that use them. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider. NPA codes 535, 538, 542, 543, 545, 546, 547, 549, 550, 552, 553, 554, 556, 558, 569, 578, and 589

are reserved for future use.

NPA code 600 is used within Canada and assigned to Canadian telecommunications service providers in the provisioning of non-geographic, tariffed services. Assigned NPA codes 622 and 633 are used for applications in Canada which are non-geographic in nature, are not assigned to rate centers and may or may not traverse the PSTN but do require an E.164 addressing scheme. The use of this NANP numbering resource is to communicate with both fixed and mobile devices, some of which may be unattended. This resource may also be used for applications enabling machines, which would include but not be limited to wireless devices and appliances, with the ability to share information with back-office control and data base systems and the people that use them. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider. NPA codes 644, 655, 677 and 688 are reserved for future use.

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.

NPA code 710 was assigned in 1983 to the U.S. Government for emergency services. The 710 NPA is treated as non-geographic with per-call compensation provided by the U.S. Government.

NPA codes 800, 833, 844, 855, 866, 877, and 888 are used as toll-free codes. NPA code 822 has been assigned for future use as a toll-free code and will be introduced when needed.

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

ATTACHMENT 4
NPA Dialing Plans As of December 31, 2023

Following are the dialing plans of all in-service NPAs as of December 31, 2023. Table A4-1 contains dialing plans sorted by location and Table A4-2 contains dialing plans sorted by NPA.

Table A4-1
DIALING PLANS BY LOCATION

Location	NPA	Standard HNP LOCAL	Standard HNP TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
ALABAMA	205	10D	1+10D	10D	1+10D
ALABAMA	251	10D	1+10D	10D	1+10D
ALABAMA	256	10D	1+10D	10D	1+10D
ALABAMA	334	7D	1+10D	10D	1+10D
ALABAMA	659	10D	1+10D	10D	1+10D
ALABAMA	938	10D	1+10D	10D	1+10D
ALASKA	907	10D	1+10D	NA	1+10D
AMERICAN SAMOA	684	7D	NA	NA	1+10D
ANGUILLA	264	7D	1+10D	NA	1+10D
ANTIGUA/BARBUDA	268	7D	1+10D	NA	1+10D
ARIZONA	480	10D	1+10D	10D	1+10D
ARIZONA	520	10D	1+10D	10D	1+10D
ARIZONA	602	10D	1+10D	10D	1+10D
ARIZONA	623	10D	1+10D	10D	1+10D
ARIZONA	928	10D	1+10D	10D	1+10D
ARKANSAS	479	7D	1+10D	10D	1+10D
ARKANSAS	501	10D	1+10D	10D	1+10D
ARKANSAS	870	7D	1+10D	10D	1+10D
BAHAMAS	242	7D	1+10D	NA	1+10D
BARBADOS	246	7D	1+10D	NA	1+10D
BERMUDA	441	7D	1+10D	NA	1+10D
BRITISH VIRGIN ISLANDS	284	7D	1+10D	NA	1+10D
CALIFORNIA	209	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	213	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	279	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	310	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	323	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	341	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	350	1+10D	1+10D	1+10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
CALIFORNIA	369	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	408	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	415	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	424	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	442	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	510	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	530	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	559	7D	7D	1+10D	1+10D
CALIFORNIA	562	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	619	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	626	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	628	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	650	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	657	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	661	7D	7D	1+10D	1+10D
CALIFORNIA	669	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	707	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	714	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	747	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	760	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	805	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	818	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	820	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	831	7D	7D	1+10D	1+10D
CALIFORNIA	840	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	858	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	909	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	916	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	925	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	949	1+10D	1+10D	1+10D	1+10D
CALIFORNIA	951	1+10D	1+10D	1+10D	1+10D
CANADA, ALBERTA	368	10D	1+10D	10D	1+10D
CANADA, ALBERTA	403	10D	1+10D	10D	1+10D
CANADA, ALBERTA	587	10D	1+10D	10D	1+10D
CANADA, ALBERTA	780	10D	1+10D	10D	1+10D
CANADA, ALBERTA	825	10D	1+10D	10D	1+10D
CANADA, BRITISH COLUMBIA	236	10D	1+10D	10D	1+10D
CANADA, BRITISH COLUMBIA	250	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
CANADA, BRITISH COLUMBIA	604	10D	1+10D	10D	1+10D
CANADA, BRITISH COLUMBIA	672	10D	1+10D	10D	1+10D
CANADA, BRITISH COLUMBIA	778	10D	1+10D	10D	1+10D
CANADA, MANITOBA	204	10D	1+10D	10D	1+10D
CANADA, MANITOBA	431	10D	1+10D	10D	1+10D
CANADA, MANITOBA	584	10D	1+10D	10D	1+10D
CANADA, NEW BRUNSWICK	428	10D	1+10D	10D	1+10D
CANADA, NEW BRUNSWICK	506	10D	1+10D	10D	1+10D
CANADA, NEWFOUNDLAND AND LABRADOR	709	10D	1+10D	10D	1+10D
CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	782	10D	1+10D	10D	1+10D
CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	902	10D	1+10D	10D	1+10D
CANADA, ONTARIO	226	10D	1+10D	10D	1+10D
CANADA, ONTARIO	249	10D	1+10D	10D	1+10D
CANADA, ONTARIO	289	10D	1+10D	10D	1+10D
CANADA, ONTARIO	343	10D	1+10D	10D	1+10D
CANADA, ONTARIO	365	10D	1+10D	10D	1+10D
CANADA, ONTARIO	416	10D	1+10D	10D	1+10D
CANADA, ONTARIO	437	10D	1+10D	10D	1+10D
CANADA, ONTARIO	519	10D	1+10D	10D	1+10D
CANADA, ONTARIO	548	10D	1+10D	10D	1+10D
CANADA, ONTARIO	613	10D	1+10D	10D	1+10D
CANADA, ONTARIO	647	10D	1+10D	10D	1+10D
CANADA, ONTARIO	683	10D	1+10D	10D	1+10D
CANADA, ONTARIO	705	10D	1+10D	10D	1+10D
CANADA, ONTARIO	742	10D	1+10D	10D	1+10D
CANADA, ONTARIO	753	10D	1+10D	10D	1+10D
CANADA, ONTARIO	807	7D	1+10D	10D	1+10D
CANADA, ONTARIO	905	10D	1+10D	10D	1+10D
CANADA, QUEBEC	263	10D	1+10D	10D	1+10D
CANADA, QUEBEC	354	10D	1+10D	10D	1+10D
CANADA, QUEBEC	367	10D	1+10D	10D	1+10D
CANADA, QUEBEC	418	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
CANADA, QUEBEC	438	10D	1+10D	10D	1+10D
CANADA, QUEBEC	450	10D	1+10D	10D	1+10D
CANADA, QUEBEC	468	10D	1+10D	10D	1+10D
CANADA, QUEBEC	514	10D	1+10D	10D	1+10D
CANADA, QUEBEC	579	10D	1+10D	10D	1+10D
CANADA, QUEBEC	581	10D	1+10D	10D	1+10D
CANADA, QUEBEC	819	10D	1+10D	10D	1+10D
CANADA, QUEBEC	873	10D	1+10D	10D	1+10D
CANADA, SASKATCHEWAN	306	10D	1+10D	10D	1+10D
CANADA, SASKATCHEWAN	474	10D	1+10D	10D	1+10D
CANADA, SASKATCHEWAN	639	10D	1+10D	10D	1+10D
CANADA, YUKON-NW TERR. - NUNAVUT	867	7D	1+10D	10D	1+10D
CAYMAN ISLANDS	345	7D	1+10D	NA	1+10D
COLORADO	303	10D	1+10D	10D	1+10D
COLORADO	719	10D	1+10D	10D	1+10D
COLORADO	720	10D	1+10D	10D	1+10D
COLORADO	970	10D	1+10D	10D	1+10D
COLORADO	983	10D	1+10D	10D	1+10D
COMMONWEALTH OF NORTHERN MARIANA ISLANDS (CNMI)	670	7D	1+10D	NA	1+10D
CONNECTICUT	203	10D	1+10D	10D	1+10D
CONNECTICUT	475	10D	1+10D	10D	1+10D
CONNECTICUT	860	10D	1+10D	10D	1+10D
CONNECTICUT	959	10D	1+10D	10D	1+10D
DELAWARE	302	10D	1+10D	10D	1+10D
DISTRICT OF COLUMBIA	202	10D	1+10D	10D	1+10D
DISTRICT OF COLUMBIA	771	10D	1+10D	10D	1+10D
DOMINICA	767	7D	1+10D	NA	1+10D
DOMINICAN REPUBLIC	809	10D	1+10D	10D	1+10D
DOMINICAN REPUBLIC	829	10D	1+10D	10D	1+10D
DOMINICAN REPUBLIC	849	10D	1+10D	10D	1+10D
FLORIDA	239	7D	1+10D	10D	1+10D
FLORIDA	305	10D	1+10D	10D	1+10D
FLORIDA	321	10D	1+10D	10D	1+10D
FLORIDA	352	10D	1+10D	10D	1+10D
FLORIDA	386	7D	1+10D	10D	1+10D
FLORIDA	407	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
FLORIDA	448	10D	1+10D	10D	1+10D
FLORIDA	561	10D	1+10D	10D	1+10D
FLORIDA	645	10D	1+10D	10D	1+10D
FLORIDA	656	10D	1+10D	10D	1+10D
FLORIDA	689	10D	1+10D	10D	1+10D
FLORIDA	727	7D	1+10D	10D	1+10D
FLORIDA	728	10D	1+10D	10D	1+10D
FLORIDA	754	10D	1+10D	10D	1+10D
FLORIDA	772	7D	1+10D	10D	1+10D
FLORIDA	786	10D	1+10D	10D	1+10D
FLORIDA	813	10D	1+10D	10D	1+10D
FLORIDA	850	10D	1+10D	10D	1+10D
FLORIDA	863	7D	1+10D	10D	1+10D
FLORIDA	904	7D	1+10D	10D	1+10D
FLORIDA	941	10D	1+10D	10D	1+10D
FLORIDA	954	10D	1+10D	10D	1+10D
GEORGIA	229	7D	1+10D	10D	1+10D
GEORGIA	404	10D	1+10D	10D	1+10D
GEORGIA	470	10D	1+10D	10D	1+10D
GEORGIA	478	10D	1+10D	10D	1+10D
GEORGIA	678	10D	1+10D	10D	1+10D
GEORGIA	706	10D	1+10D	10D	1+10D
GEORGIA	762	10D	1+10D	10D	1+10D
GEORGIA	770	10D	1+10D	10D	1+10D
GEORGIA	912	10D	1+10D	10D	1+10D
GEORGIA	943	10D	1+10D	10D	1+10D
GRENADA	473	7D	1+10D	NA	1+10D
GUAM	671	10D	1+10D	NA	1+10D
HAWAII	808	10D	1+10D	NA	1+10D
IDAHO	208	10D	1+10D	10D	1+10D
IDAHO	986	10D	1+10D	10D	1+10D
ILLINOIS	217	10D	1+10D	10D	1+10D
ILLINOIS	224	1+10D	1+10D	1+10D	1+10D
ILLINOIS	309	10D	1+10D	10D	1+10D
ILLINOIS	312	1+10D	1+10D	1+10D	1+10D
ILLINOIS	331	1+10D	1+10D	1+10D	1+10D
ILLINOIS	447	10D	1+10D	10D	1+10D
ILLINOIS	464	1+10D	1+10D	1+10D	1+10D
ILLINOIS	618	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
ILLINOIS	630	1+10D	1+10D	1+10D	1+10D
ILLINOIS	708	1+10D	1+10D	1+10D	1+10D
ILLINOIS	730	10D	1+10D	10D	1+10D
ILLINOIS	773	1+10D	1+10D	1+10D	1+10D
ILLINOIS	779	1+10D	1+10D	1+10D	1+10D
ILLINOIS	815	1+10D	1+10D	1+10D	1+10D
ILLINOIS	847	1+10D	1+10D	1+10D	1+10D
ILLINOIS	861	10D	1+10D	10D	1+10D
ILLINOIS	872	1+10D	1+10D	1+10D	1+10D
INDIANA	219	10D	1+10D	10D	1+10D
INDIANA	260	7D	1+10D	10D	1+10D
INDIANA	317	10D	1+10D	10D	1+10D
INDIANA	463	10D	1+10D	10D	1+10D
INDIANA	574	10D	1+10D	10D	1+10D
INDIANA	765	7D	1+10D	10D	1+10D
INDIANA	812	10D	1+10D	10D	1+10D
INDIANA	930	10D	1+10D	10D	1+10D
IOWA	319	10D	1+10D	10D	1+10D
IOWA	515	10D	1+10D	10D	1+10D
IOWA	563	7D	1+10D	10D	1+10D
IOWA	641	7D	1+10D	10D	1+10D
IOWA	712	7D	1+10D	10D	1+10D
JAMAICA	658	10D	10D	1+10D	1+10D
JAMAICA	876	10D	10D	1+10D	1+10D
KANSAS	316	7D	1+10D	10D	1+10D
KANSAS	620	10D	1+10D	10D	1+10D
KANSAS	785	10D	1+10D	10D	1+10D
KANSAS	913	7D	1+10D	10D	1+10D
KENTUCKY	270	10D	1+10D	10D	1+10D
KENTUCKY	364	10D	1+10D	10D	1+10D
KENTUCKY	502	7D	1+10D	7D	1+10D
KENTUCKY	606	7D	1+10D	10D	1+10D
KENTUCKY	859	10D	1+10D	10D	1+10D
LOUISIANA	225	7D	1+10D	10D	1+10D
LOUISIANA	318	7D	1+10D	10D	1+10D
LOUISIANA	337	10D	1+10D	10D	1+10D
LOUISIANA	504	10D	1+10D	10D	1+10D
LOUISIANA	985	7D	1+10D	10D	1+10D
MAINE	207	7D	7D	1+10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
MARYLAND	227	10D	1+10D	10D	1+10D
MARYLAND	240	10D	1+10D	10D	1+10D
MARYLAND	301	10D	1+10D	10D	1+10D
MARYLAND	410	10D	1+10D	10D	1+10D
MARYLAND	443	10D	1+10D	10D	1+10D
MARYLAND	667	10D	1+10D	10D	1+10D
MASSACHUSETTS	339	10D	1+10D	10D	1+10D
MASSACHUSETTS	351	10D	1+10D	10D	1+10D
MASSACHUSETTS	413	7D	1+10D	10D	1+10D
MASSACHUSETTS	508	10D	1+10D	10D	1+10D
MASSACHUSETTS	617	10D	1+10D	10D	1+10D
MASSACHUSETTS	774	10D	1+10D	10D	1+10D
MASSACHUSETTS	781	10D	1+10D	10D	1+10D
MASSACHUSETTS	857	10D	1+10D	10D	1+10D
MASSACHUSETTS	978	10D	1+10D	10D	1+10D
MICHIGAN	231	7D	1+10D	10D	1+10D
MICHIGAN	248	10D	1+10D	10D	1+10D
MICHIGAN	269	7D	1+10D	10D	1+10D
MICHIGAN	313	7D	1+10D	10D	1+10D
MICHIGAN	517	7D	1+10D	10D	1+10D
MICHIGAN	586	7D	1+10D	10D	1+10D
MICHIGAN	616	10D	1+10D	10D	1+10D
MICHIGAN	734	7D	1+10D	10D	1+10D
MICHIGAN	810	10D	1+10D	10D	1+10D
MICHIGAN	906	10D	1+10D	10D	1+10D
MICHIGAN	947	10D	1+10D	10D	1+10D
MICHIGAN	989	10D	1+10D	10D	1+10D
MINNESOTA	218	10D	1+10D	10D	1+10D
MINNESOTA	320	7D	1+10D	7D	1+10D
MINNESOTA	507	7D	1+10D	7D	1+10D
MINNESOTA	612	7D	1+10D	10D	1+10D
MINNESOTA	651	7D	1+10D	10D	1+10D
MINNESOTA	763	7D	1+10D	10D	1+10D
MINNESOTA	952	10D	1+10D	10D	1+10D
MISSISSIPPI	228	7D	1+10D	10D	1+10D
MISSISSIPPI	601	10D	1+10D	10D	1+10D
MISSISSIPPI	662	10D	1+10D	10D	1+10D
MISSISSIPPI	769	10D	1+10D	10D	1+10D
MISSOURI	314	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
MISSOURI	417	10D	1+10D	10D	1+10D
MISSOURI	557	10D	1+10D	10D	1+10D
MISSOURI	573	7D	1+10D	10D	1+10D
MISSOURI	636	7D	1+10D	10D	1+10D
MISSOURI	660	10D	1+10D	10D	1+10D
MISSOURI	816	10D	1+10D	10D	1+10D
MISSOURI	975	10D	1+10D	10D	1+10D
MONTANA	406	10D	1+10D	10D	1+10D
MONTserrat	664	7D	1+10D	NA	1+10D
NEBRASKA	308	7D	1+10D	7D	1+10D
NEBRASKA	402	10D	1+10D	10D	1+10D
NEBRASKA	531	10D	1+10D	10D	1+10D
NEVADA	702	10D	1+10D	10D	1+10D
NEVADA	725	10D	1+10D	10D	1+10D
NEVADA	775	10D	1+10D	10D	1+10D
NEW HAMPSHIRE	603	10D	1+10D	10D	1+10D
NEW JERSEY	201	10D	10D	1+10D	1+10D
NEW JERSEY	551	10D	10D	1+10D	1+10D
NEW JERSEY	609	10D	10D	1+10D	1+10D
NEW JERSEY	640	10D	10D	1+10D	1+10D
NEW JERSEY	732	10D	10D	1+10D	1+10D
NEW JERSEY	848	10D	10D	1+10D	1+10D
NEW JERSEY	856	10D	10D	1+10D	1+10D
NEW JERSEY	862	10D	10D	1+10D	1+10D
NEW JERSEY	908	10D	10D	1+10D	1+10D
NEW JERSEY	973	10D	10D	1+10D	1+10D
NEW MEXICO	505	10D	1+10D	10D	1+10D
NEW MEXICO	575	10D	1+10D	10D	1+10D
NEW YORK	212	1+10D	1+10D	1+10D	1+10D
NEW YORK	315	10D	10D	1+10D	1+10D
NEW YORK	329	10D	10D	1+10D	1+10D
NEW YORK	332	1+10D	1+10D	1+10D	1+10D
NEW YORK	347	1+10D	1+10D	1+10D	1+10D
NEW YORK	363	10D	10D	1+10D	1+10D
NEW YORK	516	10D	10D	1+10D	1+10D
NEW YORK	518	10D	10D	1+10D	1+10D
NEW YORK	585	7D	7D	1+10D	1+10D
NEW YORK	607	10D	10D	1+10D	1+10D
NEW YORK	624	10D	10D	1+10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
NEW YORK	631	10D	10D	1+10D	1+10D
NEW YORK	646	1+10D	1+10D	1+10D	1+10D
NEW YORK	680	10D	10D	1+10D	1+10D
NEW YORK	716	10D	10D	1+10D	1+10D
NEW YORK	718	1+10D	1+10D	1+10D	1+10D
NEW YORK	838	10D	10D	1+10D	1+10D
NEW YORK	845	10D	10D	1+10D	1+10D
NEW YORK	914	10D	10D	1+10D	1+10D
NEW YORK	917	1+10D	1+10D	1+10D	1+10D
NEW YORK	929	1+10D	1+10D	1+10D	1+10D
NEW YORK	934	10D	10D	1+10D	1+10D
NORTH CAROLINA	252	7D	1+10D	10D	1+10D
NORTH CAROLINA	336	10D	1+10D	10D	1+10D
NORTH CAROLINA	472	10D	1+10D	10D	1+10D
NORTH CAROLINA	704	10D	1+10D	10D	1+10D
NORTH CAROLINA	743	10D	1+10D	10D	1+10D
NORTH CAROLINA	828	7D	1+10D	10D	1+10D
NORTH CAROLINA	910	10D	1+10D	10D	1+10D
NORTH CAROLINA	919	10D	1+10D	10D	1+10D
NORTH CAROLINA	980	10D	1+10D	10D	1+10D
NORTH CAROLINA	984	10D	1+10D	10D	1+10D
NORTH DAKOTA	701	7D	1+10D	7D	1+10D
OHIO	216	7D	1+10D	10D	1+10D
OHIO	220	10D	1+10D	10D	1+10D
OHIO	234	10D	1+10D	10D	1+10D
OHIO	283	10D	1+10D	10D	1+10D
OHIO	326	10D	1+10D	10D	1+10D
OHIO	330	10D	1+10D	10D	1+10D
OHIO	380	10D	1+10D	10D	1+10D
OHIO	419	10D	1+10D	10D	1+10D
OHIO	440	10D	1+10D	10D	1+10D
OHIO	513	10D	1+10D	10D	1+10D
OHIO	567	10D	1+10D	10D	1+10D
OHIO	614	10D	1+10D	10D	1+10D
OHIO	740	10D	1+10D	10D	1+10D
OHIO	937	10D	1+10D	10D	1+10D
OKLAHOMA	405	10D	1+10D	10D	1+10D
OKLAHOMA	539	10D	1+10D	10D	1+10D
OKLAHOMA	572	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
OKLAHOMA	580	7D	1+10D	7D	1+10D
OKLAHOMA	918	10D	1+10D	10D	1+10D
OREGON	458	10D	1+10D	10D	1+10D
OREGON	503	10D	1+10D	10D	1+10D
OREGON	541	10D	1+10D	10D	1+10D
OREGON	971	10D	1+10D	10D	1+10D
PENNSYLVANIA	215	10D	10D	1+10D	1+10D
PENNSYLVANIA	223	10D	10D	1+10D	1+10D
PENNSYLVANIA	267	10D	10D	1+10D	1+10D
PENNSYLVANIA	272	10D	10D	1+10D	1+10D
PENNSYLVANIA	412	10D	10D	1+10D	1+10D
PENNSYLVANIA	445	10D	10D	1+10D	1+10D
PENNSYLVANIA	484	10D	10D	1+10D	1+10D
PENNSYLVANIA	570	10D	10D	1+10D	1+10D
PENNSYLVANIA	582	10D	10D	1+10D	1+10D
PENNSYLVANIA	610	10D	10D	1+10D	1+10D
PENNSYLVANIA	717	10D	10D	1+10D	1+10D
PENNSYLVANIA	724	10D	10D	1+10D	1+10D
PENNSYLVANIA	814	10D	10D	1+10D	1+10D
PENNSYLVANIA	835	10D	10D	1+10D	1+10D
PENNSYLVANIA	878	10D	10D	1+10D	1+10D
PUERTO RICO	787	10D	1+10D	10D	1+10D
PUERTO RICO	939	10D	1+10D	10D	1+10D
RHODE ISLAND	401	7D	7D	1+10D	1+10D
SINT MAARTEN	721	7D	NA	NA	1+10D
SOUTH CAROLINA	803	10D	1+10D	10D	1+10D
SOUTH CAROLINA	839	10D	1+10D	10D	1+10D
SOUTH CAROLINA	843	10D	1+10D	10D	1+10D
SOUTH CAROLINA	854	10D	1+10D	10D	1+10D
SOUTH CAROLINA	864	7D	1+10D	10D	1+10D
SOUTH DAKOTA	605	10D	1+10D	10D	1+10D
ST. KITTS & NEVIS	869	7D	1+10D	NA	1+10D
ST. LUCIA	758	7D	1+10D	NA	1+10D
ST. VINCENT & GRENADINES	784	7D	1+10D	NA	1+10D
TENNESSEE	423	7D	1+10D	10D	1+10D
TENNESSEE	615	10D	1+10D	10D	1+10D
TENNESSEE	629	10D	1+10D	10D	1+10D
TENNESSEE	731	10D	1+10D	10D	1+10D
TENNESSEE	865	10D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
TENNESSEE	901	7D	1+10D	10D	1+10D
TENNESSEE	931	7D	1+10D	7D	1+10D
TEXAS	210	10D	1+10D	10D	1+10D
TEXAS	214	10D	1+10D	10D	1+10D
TEXAS	254	10D	1+10D	10D	1+10D
TEXAS	281	10D	1+10D	10D	1+10D
TEXAS	325	7D	1+10D	10D	1+10D
TEXAS	346	10D	1+10D	10D	1+10D
TEXAS	361	10D	1+10D	10D	1+10D
TEXAS	409	10D	1+10D	10D	1+10D
TEXAS	430	10D	1+10D	10D	1+10D
TEXAS	432	7D	1+10D	10D	1+10D
TEXAS	469	10D	1+10D	10D	1+10D
TEXAS	512	10D	1+10D	10D	1+10D
TEXAS	682	10D	1+10D	10D	1+10D
TEXAS	713	10D	1+10D	10D	1+10D
TEXAS	726	10D	1+10D	10D	1+10D
TEXAS	737	10D	1+10D	10D	1+10D
TEXAS	806	10D	1+10D	10D	1+10D
TEXAS	817	10D	1+10D	10D	1+10D
TEXAS	830	10D	1+10D	10D	1+10D
TEXAS	832	10D	1+10D	10D	1+10D
TEXAS	903	10D	1+10D	10D	1+10D
TEXAS	915	10D	1+10D	10D	1+10D
TEXAS	936	7D	1+10D	10D	1+10D
TEXAS	940	10D	1+10D	10D	1+10D
TEXAS	945	10D	1+10D	10D	1+10D
TEXAS	956	7D	1+10D	10D	1+10D
TEXAS	972	10D	1+10D	10D	1+10D
TEXAS	979	7D	1+10D	10D	1+10D
TRINIDAD & TOBAGO	868	7D	1+10D	NA	1+10D
TURKS & CAICOS ISLANDS	649	7D	1+10D	NA	1+10D
U.S. VIRGIN ISLANDS	340	7D	1+10D	NA	1+10D
UTAH	385	10D	1+10D	10D	1+10D
UTAH	435	7D	1+10D	7D	1+10D
UTAH	801	10D	1+10D	10D	1+10D
VERMONT	802	10D	1+10D	10D	1+10D
VIRGINIA	276	10D	1+10D	10D	1+10D
VIRGINIA	434	7D	1+10D	10D	1+10D

Location	NPA	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
VIRGINIA	540	10D	1+10D	10D	1+10D
VIRGINIA	571	10D	1+10D	10D	1+10D
VIRGINIA	703	10D	1+10D	10D	1+10D
VIRGINIA	757	10D	1+10D	10D	1+10D
VIRGINIA	804	10D	1+10D	10D	1+10D
VIRGINIA	826	10D	1+10D	10D	1+10D
VIRGINIA	948	10D	1+10D	10D	1+10D
WASHINGTON	206	10D	1+10D	10D	1+10D
WASHINGTON	253	10D	1+10D	10D	1+10D
WASHINGTON	360	10D	1+10D	10D	1+10D
WASHINGTON	425	10D	1+10D	10D	1+10D
WASHINGTON	509	10D	1+10D	10D	1+10D
WASHINGTON	564	10D	1+10D	10D	1+10D
WEST VIRGINIA	304	10D	1+10D	10D	1+10D
WEST VIRGINIA	681	10D	1+10D	10D	1+10D
WISCONSIN	262	10D	1+10D	10D	1+10D
WISCONSIN	274	10D	1+10D	10D	1+10D
WISCONSIN	353	10D	1+10D	10D	1+10D
WISCONSIN	414	10D	1+10D	10D	1+10D
WISCONSIN	534	10D	1+10D	10D	1+10D
WISCONSIN	608	10D	1+10D	10D	1+10D
WISCONSIN	715	10D	1+10D	10D	1+10D
WISCONSIN	920	10D	1+10D	10D	1+10D
WYOMING	307	7D	1+10D	7D	1+10D

Table A4-2
DIALING PLANS BY NPA

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
201	NEW JERSEY	10D	10D	1+10D	1+10D
202	DISTRICT OF COLUMBIA	10D	1+10D	10D	1+10D
203	CONNECTICUT	10D	1+10D	10D	1+10D
204	CANADA, MANITOBA	10D	1+10D	10D	1+10D
205	ALABAMA	10D	1+10D	10D	1+10D
206	WASHINGTON	10D	1+10D	10D	1+10D
207	MAINE	7D	7D	1+10D	1+10D
208	IDAHO	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
209	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
210	TEXAS	10D	1+10D	10D	1+10D
212	NEW YORK	1+10D	1+10D	1+10D	1+10D
213	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
214	TEXAS	10D	1+10D	10D	1+10D
215	PENNSYLVANIA	10D	10D	1+10D	1+10D
216	OHIO	7D	1+10D	10D	1+10D
217	ILLINOIS	10D	1+10D	10D	1+10D
218	MINNESOTA	10D	1+10D	10D	1+10D
219	INDIANA	10D	1+10D	10D	1+10D
220	OHIO	10D	1+10D	10D	1+10D
223	PENNSYLVANIA	10D	10D	1+10D	1+10D
224	ILLINOIS	1+10D	1+10D	1+10D	1+10D
225	LOUISIANA	7D	1+10D	10D	1+10D
226	CANADA, ONTARIO	10D	1+10D	10D	1+10D
227	MARYLAND	10D	1+10D	10D	1+10D
228	MISSISSIPPI	7D	1+10D	10D	1+10D
229	GEORGIA	7D	1+10D	10D	1+10D
231	MICHIGAN	7D	1+10D	10D	1+10D
234	OHIO	10D	1+10D	10D	1+10D
236	CANADA, BRITISH COLUMBIA	10D	1+10D	10D	1+10D
239	FLORIDA	7D	1+10D	10D	1+10D
240	MARYLAND	10D	1+10D	10D	1+10D
242	BAHAMAS	7D	1+10D	NA	1+10D
246	BARBADOS	7D	1+10D	NA	1+10D
248	MICHIGAN	10D	1+10D	10D	1+10D
249	CANADA, ONTARIO	10D	1+10D	10D	1+10D
250	CANADA, BRITISH COLUMBIA	10D	1+10D	10D	1+10D
251	ALABAMA	10D	1+10D	10D	1+10D
252	NORTH CAROLINA	7D	1+10D	10D	1+10D
253	WASHINGTON	10D	1+10D	10D	1+10D
254	TEXAS	10D	1+10D	10D	1+10D
256	ALABAMA	10D	1+10D	10D	1+10D
260	INDIANA	7D	1+10D	10D	1+10D
262	WISCONSIN	10D	1+10D	10D	1+10D
263	CANADA, QUEBEC	10D	1+10D	10D	1+10D
264	ANGUILLA	7D	1+10D	NA	1+10D
267	PENNSYLVANIA	10D	10D	1+10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
268	ANTIGUA/BARBUDA	7D	1+10D	NA	1+10D
269	MICHIGAN	7D	1+10D	10D	1+10D
270	KENTUCKY	10D	1+10D	10D	1+10D
272	PENNSYLVANIA	10D	10D	1+10D	1+10D
274	WISCONSIN	10D	1+10D	10D	1+10D
276	VIRGINIA	10D	1+10D	10D	1+10D
279	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
281	TEXAS	10D	1+10D	10D	1+10D
283	OHIO	10D	1+10D	10D	1+10D
284	BRITISH VIRGIN ISLANDS	7D	1+10D	NA	1+10D
289	CANADA, ONTARIO	10D	1+10D	10D	1+10D
301	MARYLAND	10D	1+10D	10D	1+10D
302	DELAWARE	10D	1+10D	10D	1+10D
303	COLORADO	10D	1+10D	10D	1+10D
304	WEST VIRGINIA	10D	1+10D	10D	1+10D
305	FLORIDA	10D	1+10D	10D	1+10D
306	CANADA, SASKATCHEWAN	10D	1+10D	10D	1+10D
307	WYOMING	7D	1+10D	7D	1+10D
308	NEBRASKA	7D	1+10D	7D	1+10D
309	ILLINOIS	10D	1+10D	10D	1+10D
310	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
312	ILLINOIS	1+10D	1+10D	1+10D	1+10D
313	MICHIGAN	7D	1+10D	10D	1+10D
314	MISSOURI	10D	1+10D	10D	1+10D
315	NEW YORK	10D	10D	1+10D	1+10D
316	KANSAS	7D	1+10D	10D	1+10D
317	INDIANA	10D	1+10D	10D	1+10D
318	LOUISIANA	7D	1+10D	10D	1+10D
319	IOWA	10D	1+10D	10D	1+10D
320	MINNESOTA	7D	1+10D	7D	1+10D
321	FLORIDA	10D	1+10D	10D	1+10D
323	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
325	TEXAS	7D	1+10D	10D	1+10D
326	OHIO	10D	1+10D	10D	1+10D
329	NEW YORK	10D	10D	1+10D	1+10D
330	OHIO	10D	1+10D	10D	1+10D
331	ILLINOIS	1+10D	1+10D	1+10D	1+10D
332	NEW YORK	1+10D	1+10D	1+10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
334	ALABAMA	7D	1+10D	10D	1+10D
336	NORTH CAROLINA	10D	1+10D	10D	1+10D
337	LOUISIANA	10D	1+10D	10D	1+10D
339	MASSACHUSETTS	10D	1+10D	10D	1+10D
340	U.S. VIRGIN ISLANDS	7D	1+10D	NA	1+10D
341	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
343	CANADA, ONTARIO	10D	1+10D	10D	1+10D
345	CAYMAN ISLANDS	7D	1+10D	NA	1+10D
346	TEXAS	10D	1+10D	10D	1+10D
347	NEW YORK	1+10D	1+10D	1+10D	1+10D
350	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
351	MASSACHUSETTS	10D	1+10D	10D	1+10D
352	FLORIDA	10D	1+10D	10D	1+10D
353	WISCONSIN	10D	1+10D	10D	1+10D
354	CANADA, QUEBEC	10D	1+10D	10D	1+10D
360	WASHINGTON	10D	1+10D	10D	1+10D
361	TEXAS	10D	1+10D	10D	1+10D
363	NEW YORK	10D	10D	1+10D	1+10D
364	KENTUCKY	10D	1+10D	10D	1+10D
365	CANADA, ONTARIO	10D	1+10D	10D	1+10D
367	CANADA, QUEBEC	10D	1+10D	10D	1+10D
368	CANADA, ALBERTA	10D	1+10D	10D	1+10D
369	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
380	OHIO	10D	1+10D	10D	1+10D
385	UTAH	10D	1+10D	10D	1+10D
386	FLORIDA	7D	1+10D	10D	1+10D
401	RHODE ISLAND	7D	7D	1+10D	1+10D
402	NEBRASKA	10D	1+10D	10D	1+10D
403	CANADA, ALBERTA	10D	1+10D	10D	1+10D
404	GEORGIA	10D	1+10D	10D	1+10D
405	OKLAHOMA	10D	1+10D	10D	1+10D
406	MONTANA	10D	1+10D	10D	1+10D
407	FLORIDA	10D	1+10D	10D	1+10D
408	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
409	TEXAS	10D	1+10D	10D	1+10D
410	MARYLAND	10D	1+10D	10D	1+10D
412	PENNSYLVANIA	10D	10D	1+10D	1+10D
413	MASSACHUSETTS	7D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
414	WISCONSIN	10D	1+10D	10D	1+10D
415	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
416	CANADA, ONTARIO	10D	1+10D	10D	1+10D
417	MISSOURI	10D	1+10D	10D	1+10D
418	CANADA, QUEBEC	10D	1+10D	10D	1+10D
419	OHIO	10D	1+10D	10D	1+10D
423	TENNESSEE	7D	1+10D	10D	1+10D
424	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
425	WASHINGTON	10D	1+10D	10D	1+10D
428	CANADA, NEW BRUNSWICK	10D	1+10D	10D	1+10D
430	TEXAS	10D	1+10D	10D	1+10D
431	CANADA, MANITOBA	10D	1+10D	10D	1+10D
432	TEXAS	7D	1+10D	10D	1+10D
434	VIRGINIA	7D	1+10D	10D	1+10D
435	UTAH	7D	1+10D	7D	1+10D
437	CANADA, ONTARIO	10D	1+10D	10D	1+10D
438	CANADA, QUEBEC	10D	1+10D	10D	1+10D
440	OHIO	10D	1+10D	10D	1+10D
441	BERMUDA	7D	1+10D	NA	1+10D
442	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
443	MARYLAND	10D	1+10D	10D	1+10D
445	PENNSYLVANIA	10D	10D	1+10D	1+10D
447	ILLINOIS	10D	1+10D	10D	1+10D
448	FLORIDA	10D	1+10D	10D	1+10D
450	CANADA, QUEBEC	10D	1+10D	10D	1+10D
458	OREGON	10D	1+10D	10D	1+10D
463	INDIANA	10D	1+10D	10D	1+10D
464	ILLINOIS	1+10D	1+10D	1+10D	1+10D
468	CANADA, QUEBEC	10D	1+10D	10D	1+10D
469	TEXAS	10D	1+10D	10D	1+10D
470	GEORGIA	10D	1+10D	10D	1+10D
472	NORTH CAROLINA	10D	1+10D	10D	1+10D
473	GRENADA	7D	1+10D	NA	1+10D
474	CANADA, SASKATCHEWAN	10D	1+10D	10D	1+10D
475	CONNECTICUT	10D	1+10D	10D	1+10D
478	GEORGIA	10D	1+10D	10D	1+10D
479	ARKANSAS	7D	1+10D	10D	1+10D
480	ARIZONA	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
484	PENNSYLVANIA	10D	10D	1+10D	1+10D
501	ARKANSAS	10D	1+10D	10D	1+10D
502	KENTUCKY	7D	1+10D	7D	1+10D
503	OREGON	10D	1+10D	10D	1+10D
504	LOUISIANA	10D	1+10D	10D	1+10D
505	NEW MEXICO	10D	1+10D	10D	1+10D
506	CANADA, NEW BRUNSWICK	10D	1+10D	10D	1+10D
507	MINNESOTA	7D	1+10D	7D	1+10D
508	MASSACHUSETTS	10D	1+10D	10D	1+10D
509	WASHINGTON	10D	1+10D	10D	1+10D
510	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
512	TEXAS	10D	1+10D	10D	1+10D
513	OHIO	10D	1+10D	10D	1+10D
514	CANADA, QUEBEC	10D	1+10D	10D	1+10D
515	IOWA	10D	1+10D	10D	1+10D
516	NEW YORK	10D	10D	1+10D	1+10D
517	MICHIGAN	7D	1+10D	10D	1+10D
518	NEW YORK	10D	10D	1+10D	1+10D
519	CANADA, ONTARIO	10D	1+10D	10D	1+10D
520	ARIZONA	10D	1+10D	10D	1+10D
530	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
531	NEBRASKA	10D	1+10D	10D	1+10D
534	WISCONSIN	10D	1+10D	10D	1+10D
539	OKLAHOMA	10D	1+10D	10D	1+10D
540	VIRGINIA	10D	1+10D	10D	1+10D
541	OREGON	10D	1+10D	10D	1+10D
548	CANADA, ONTARIO	10D	1+10D	10D	1+10D
551	NEW JERSEY	10D	10D	1+10D	1+10D
557	MISSOURI	10D	1+10D	10D	1+10D
559	CALIFORNIA	7D	7D	1+10D	1+10D
561	FLORIDA	10D	1+10D	10D	1+10D
562	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
563	IOWA	7D	1+10D	10D	1+10D
564	WASHINGTON	10D	1+10D	10D	1+10D
567	OHIO	10D	1+10D	10D	1+10D
570	PENNSYLVANIA	10D	10D	1+10D	1+10D
571	VIRGINIA	10D	1+10D	10D	1+10D
572	OKLAHOMA	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
573	MISSOURI	7D	1+10D	10D	1+10D
574	INDIANA	10D	1+10D	10D	1+10D
575	NEW MEXICO	10D	1+10D	10D	1+10D
579	CANADA, QUEBEC	10D	1+10D	10D	1+10D
580	OKLAHOMA	7D	1+10D	7D	1+10D
581	CANADA, QUEBEC	10D	1+10D	10D	1+10D
582	PENNSYLVANIA	10D	10D	1+10D	1+10D
584	CANADA, MANITOBA	10D	1+10D	10D	1+10D
585	NEW YORK	7D	7D	1+10D	1+10D
586	MICHIGAN	7D	1+10D	10D	1+10D
587	CANADA, ALBERTA	10D	1+10D	10D	1+10D
601	MISSISSIPPI	10D	1+10D	10D	1+10D
602	ARIZONA	10D	1+10D	10D	1+10D
603	NEW HAMPSHIRE	10D	1+10D	10D	1+10D
604	CANADA, BRITISH COLUMBIA	10D	1+10D	10D	1+10D
605	SOUTH DAKOTA	10D	1+10D	10D	1+10D
606	KENTUCKY	7D	1+10D	10D	1+10D
607	NEW YORK	10D	10D	1+10D	1+10D
608	WISCONSIN	10D	1+10D	10D	1+10D
609	NEW JERSEY	10D	10D	1+10D	1+10D
610	PENNSYLVANIA	10D	10D	1+10D	1+10D
612	MINNESOTA	7D	1+10D	10D	1+10D
613	CANADA, ONTARIO	10D	1+10D	10D	1+10D
614	OHIO	10D	1+10D	10D	1+10D
615	TENNESSEE	10D	1+10D	10D	1+10D
616	MICHIGAN	10D	1+10D	10D	1+10D
617	MASSACHUSETTS	10D	1+10D	10D	1+10D
618	ILLINOIS	10D	1+10D	10D	1+10D
619	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
620	KANSAS	10D	1+10D	10D	1+10D
623	ARIZONA	10D	1+10D	10D	1+10D
624	NEW YORK	10D	10D	1+10D	1+10D
626	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
628	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
629	TENNESSEE	10D	1+10D	10D	1+10D
630	ILLINOIS	1+10D	1+10D	1+10D	1+10D
631	NEW YORK	10D	10D	1+10D	1+10D
636	MISSOURI	7D	1+10D	10D	1+10D

NPA	Location	Standard HNP LOCAL	Standard HNP TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
639	CANADA, SASKATCHEWAN	10D	1+10D	10D	1+10D
640	NEW JERSEY	10D	10D	1+10D	1+10D
641	IOWA	7D	1+10D	10D	1+10D
645	FLORIDA	10D	1+10D	10D	1+10D
646	NEW YORK	1+10D	1+10D	1+10D	1+10D
647	CANADA, ONTARIO	10D	1+10D	10D	1+10D
649	TURKS & CAICOS ISLANDS	7D	1+10D	NA	1+10D
650	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
651	MINNESOTA	7D	1+10D	10D	1+10D
656	FLORIDA	10D	1+10D	10D	1+10D
657	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
658	JAMAICA	10D	10D	1+10D	1+10D
659	ALABAMA	10D	1+10D	10D	1+10D
660	MISSOURI	10D	1+10D	10D	1+10D
661	CALIFORNIA	7D	7D	1+10D	1+10D
662	MISSISSIPPI	10D	1+10D	10D	1+10D
664	MONTSERRAT	7D	1+10D	NA	1+10D
667	MARYLAND	10D	1+10D	10D	1+10D
669	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
670	COMMONWEALTH OF NORTHERN MARIANA ISLANDS (CNMI)	7D	1+10D	NA	1+10D
671	GUAM	10D	1+10D	NA	1+10D
672	CANADA, BRITISH COLUMBIA	10D	1+10D	10D	1+10D
678	GEORGIA	10D	1+10D	10D	1+10D
680	NEW YORK	10D	10D	1+10D	1+10D
681	WEST VIRGINIA	10D	1+10D	10D	1+10D
682	TEXAS	10D	1+10D	10D	1+10D
683	CANADA, ONTARIO	10D	1+10D	10D	1+10D
684	AMERICAN SAMOA	7D	NA	NA	1+10D
689	FLORIDA	10D	1+10D	10D	1+10D
701	NORTH DAKOTA	7D	1+10D	7D	1+10D
702	NEVADA	10D	1+10D	10D	1+10D
703	VIRGINIA	10D	1+10D	10D	1+10D
704	NORTH CAROLINA	10D	1+10D	10D	1+10D
705	CANADA, ONTARIO	10D	1+10D	10D	1+10D
706	GEORGIA	10D	1+10D	10D	1+10D
707	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
708	ILLINOIS	1+10D	1+10D	1+10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
709	CANADA, NEWFOUNDLAND AND LABRADOR	10D	1+10D	10D	1+10D
712	IOWA	7D	1+10D	10D	1+10D
713	TEXAS	10D	1+10D	10D	1+10D
714	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
715	WISCONSIN	10D	1+10D	10D	1+10D
716	NEW YORK	10D	10D	1+10D	1+10D
717	PENNSYLVANIA	10D	10D	1+10D	1+10D
718	NEW YORK	1+10D	1+10D	1+10D	1+10D
719	COLORADO	10D	1+10D	10D	1+10D
720	COLORADO	10D	1+10D	10D	1+10D
721	SINT MAARTEN	7D	NA	NA	1+10D
724	PENNSYLVANIA	10D	10D	1+10D	1+10D
725	NEVADA	10D	1+10D	10D	1+10D
726	TEXAS	10D	1+10D	10D	1+10D
727	FLORIDA	7D	1+10D	10D	1+10D
728	FLORIDA	10D	1+10D	10D	1+10D
730	ILLINOIS	10D	1+10D	10D	1+10D
731	TENNESSEE	10D	1+10D	10D	1+10D
732	NEW JERSEY	10D	10D	1+10D	1+10D
734	MICHIGAN	7D	1+10D	10D	1+10D
737	TEXAS	10D	1+10D	10D	1+10D
740	OHIO	10D	1+10D	10D	1+10D
742	CANADA, ONTARIO	10D	1+10D	10D	1+10D
743	NORTH CAROLINA	10D	1+10D	10D	1+10D
747	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
753	CANADA, ONTARIO	10D	1+10D	10D	1+10D
754	FLORIDA	10D	1+10D	10D	1+10D
757	VIRGINIA	10D	1+10D	10D	1+10D
758	ST. LUCIA	7D	1+10D	NA	1+10D
760	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
762	GEORGIA	10D	1+10D	10D	1+10D
763	MINNESOTA	7D	1+10D	10D	1+10D
765	INDIANA	7D	1+10D	10D	1+10D
767	DOMINICA	7D	1+10D	NA	1+10D
769	MISSISSIPPI	10D	1+10D	10D	1+10D
770	GEORGIA	10D	1+10D	10D	1+10D
771	DISTRICT OF COLUMBIA	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
772	FLORIDA	7D	1+10D	10D	1+10D
773	ILLINOIS	1+10D	1+10D	1+10D	1+10D
774	MASSACHUSETTS	10D	1+10D	10D	1+10D
775	NEVADA	10D	1+10D	10D	1+10D
778	CANADA, BRITISH COLUMBIA	10D	1+10D	10D	1+10D
779	ILLINOIS	1+10D	1+10D	1+10D	1+10D
780	CANADA, ALBERTA	10D	1+10D	10D	1+10D
781	MASSACHUSETTS	10D	1+10D	10D	1+10D
782	CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	10D	1+10D	10D	1+10D
784	ST. VINCENT & GRENADINES	7D	1+10D	NA	1+10D
785	KANSAS	10D	1+10D	10D	1+10D
786	FLORIDA	10D	1+10D	10D	1+10D
787	PUERTO RICO	10D	1+10D	10D	1+10D
801	UTAH	10D	1+10D	10D	1+10D
802	VERMONT	10D	1+10D	10D	1+10D
803	SOUTH CAROLINA	10D	1+10D	10D	1+10D
804	VIRGINIA	10D	1+10D	10D	1+10D
805	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
806	TEXAS	10D	1+10D	10D	1+10D
807	CANADA, ONTARIO	7D	1+10D	10D	1+10D
808	HAWAII	10D	1+10D	NA	1+10D
809	DOMINICAN REPUBLIC	10D	1+10D	10D	1+10D
810	MICHIGAN	10D	1+10D	10D	1+10D
812	INDIANA	10D	1+10D	10D	1+10D
813	FLORIDA	10D	1+10D	10D	1+10D
814	PENNSYLVANIA	10D	10D	1+10D	1+10D
815	ILLINOIS	1+10D	1+10D	1+10D	1+10D
816	MISSOURI	10D	1+10D	10D	1+10D
817	TEXAS	10D	1+10D	10D	1+10D
818	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
819	CANADA, QUEBEC	10D	1+10D	10D	1+10D
820	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
825	CANADA, ALBERTA	10D	1+10D	10D	1+10D
826	VIRGINIA	10D	1+10D	10D	1+10D
828	NORTH CAROLINA	7D	1+10D	10D	1+10D
829	DOMINICAN REPUBLIC	10D	1+10D	10D	1+10D
830	TEXAS	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
831	CALIFORNIA	7D	7D	1+10D	1+10D
832	TEXAS	10D	1+10D	10D	1+10D
835	PENNSYLVANIA	10D	10D	1+10D	1+10D
838	NEW YORK	10D	10D	1+10D	1+10D
839	SOUTH CAROLINA	10D	1+10D	10D	1+10D
840	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
843	SOUTH CAROLINA	10D	1+10D	10D	1+10D
845	NEW YORK	10D	10D	1+10D	1+10D
847	ILLINOIS	1+10D	1+10D	1+10D	1+10D
848	NEW JERSEY	10D	10D	1+10D	1+10D
849	DOMINICAN REPUBLIC	10D	1+10D	10D	1+10D
850	FLORIDA	10D	1+10D	10D	1+10D
854	SOUTH CAROLINA	10D	1+10D	10D	1+10D
856	NEW JERSEY	10D	10D	1+10D	1+10D
857	MASSACHUSETTS	10D	1+10D	10D	1+10D
858	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
859	KENTUCKY	10D	1+10D	10D	1+10D
860	CONNECTICUT	10D	1+10D	10D	1+10D
861	ILLINOIS	10D	1+10D	10D	1+10D
862	NEW JERSEY	10D	10D	1+10D	1+10D
863	FLORIDA	7D	1+10D	10D	1+10D
864	SOUTH CAROLINA	7D	1+10D	10D	1+10D
865	TENNESSEE	10D	1+10D	10D	1+10D
867	CANADA, YUKON-NW TERR. - NUNAVUT	7D	1+10D	10D	1+10D
868	TRINIDAD & TOBAGO	7D	1+10D	NA	1+10D
869	ST. KITTS & NEVIS	7D	1+10D	NA	1+10D
870	ARKANSAS	7D	1+10D	10D	1+10D
872	ILLINOIS	1+10D	1+10D	1+10D	1+10D
873	CANADA, QUEBEC	10D	1+10D	10D	1+10D
876	JAMAICA	10D	10D	1+10D	1+10D
878	PENNSYLVANIA	10D	10D	1+10D	1+10D
901	TENNESSEE	7D	1+10D	10D	1+10D
902	CANADA, NOVA SCOTIA - PRINCE EDWARD ISLAND	10D	1+10D	10D	1+10D
903	TEXAS	10D	1+10D	10D	1+10D
904	FLORIDA	7D	1+10D	10D	1+10D
905	CANADA, ONTARIO	10D	1+10D	10D	1+10D
906	MICHIGAN	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
907	ALASKA	10D	1+10D	NA	1+10D
908	NEW JERSEY	10D	10D	1+10D	1+10D
909	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
910	NORTH CAROLINA	10D	1+10D	10D	1+10D
912	GEORGIA	10D	1+10D	10D	1+10D
913	KANSAS	7D	1+10D	10D	1+10D
914	NEW YORK	10D	10D	1+10D	1+10D
915	TEXAS	10D	1+10D	10D	1+10D
916	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
917	NEW YORK	1+10D	1+10D	1+10D	1+10D
918	OKLAHOMA	10D	1+10D	10D	1+10D
919	NORTH CAROLINA	10D	1+10D	10D	1+10D
920	WISCONSIN	10D	1+10D	10D	1+10D
925	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
928	ARIZONA	10D	1+10D	10D	1+10D
929	NEW YORK	1+10D	1+10D	1+10D	1+10D
930	INDIANA	10D	1+10D	10D	1+10D
931	TENNESSEE	7D	1+10D	7D	1+10D
934	NEW YORK	10D	10D	1+10D	1+10D
936	TEXAS	7D	1+10D	10D	1+10D
937	OHIO	10D	1+10D	10D	1+10D
938	ALABAMA	10D	1+10D	10D	1+10D
939	PUERTO RICO	10D	1+10D	10D	1+10D
940	TEXAS	10D	1+10D	10D	1+10D
941	FLORIDA	10D	1+10D	10D	1+10D
943	GEORGIA	10D	1+10D	10D	1+10D
945	TEXAS	10D	1+10D	10D	1+10D
947	MICHIGAN	10D	1+10D	10D	1+10D
948	VIRGINIA	10D	1+10D	10D	1+10D
949	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
951	CALIFORNIA	1+10D	1+10D	1+10D	1+10D
952	MINNESOTA	10D	1+10D	10D	1+10D
954	FLORIDA	10D	1+10D	10D	1+10D
956	TEXAS	7D	1+10D	10D	1+10D
959	CONNECTICUT	10D	1+10D	10D	1+10D
970	COLORADO	10D	1+10D	10D	1+10D
971	OREGON	10D	1+10D	10D	1+10D
972	TEXAS	10D	1+10D	10D	1+10D

NPA	Location	Standard HNPA LOCAL	Standard HNPA TOLL	Standard FNPA LOCAL	Standard FNPA TOLL
973	NEW JERSEY	10D	10D	1+10D	1+10D
975	MISSOURI	10D	1+10D	10D	1+10D
978	MASSACHUSETTS	10D	1+10D	10D	1+10D
979	TEXAS	7D	1+10D	10D	1+10D
980	NORTH CAROLINA	10D	1+10D	10D	1+10D
983	COLORADO	10D	1+10D	10D	1+10D
984	NORTH CAROLINA	10D	1+10D	10D	1+10D
985	LOUISIANA	7D	1+10D	10D	1+10D
986	IDAHO	10D	1+10D	10D	1+10D
989	MICHIGAN	10D	1+10D	10D	1+10D

ATTACHMENT 5
AGGREGATED TOTAL BY POOL OF THE SERVICE PROVIDERS
PARTICIPATING IN THE POOLED AREAS

NPA	POOLED OCNs	POOLED RATE CENTERS
201/551	62	22
202/771	54	1
203/475	44	32
205/659	67	70
206	58	5
207	66	245
208/986	75	145
209/350	49	58
210/726	56	1
212/332/646/917	75	1
213/323	55	15
214/469/945/972	80	43
215/267/445	69	36
216	47	4
217/447	56	245
218	67	144
219	43	45
220/740	54	187
223/717	64	107
224/847	45	40
225	46	34
227/240/301	68	63
228	45	11
229	47	84
231	50	96
234/330	60	117
239	44	11
248/947	48	20

NPA	POOLED OCNs	POOLED RATE CENTERS
251	54	36
252	49	90
253	41	10
254	54	105
256/938	60	91
260	46	76
262	45	60
269	51	76
270/364	63	170
272/570	66	180
274/920	73	126
276	50	78
279/916	53	16
281/346/713/832	71	45
283/513	51	25
302	43	30
303/720/983	64	13
304/681	59	224
305/645/786	65	5
307	41	63
308	41	170
309/861	56	151
310/424	50	16
312/872	53	1
313	52	6
314/557	45	7
315/680	65	149
316	45	14

NPA	POOLED OCNs	POOLED RATE CENTERS
317/463	50	36
318	49	117
319	55	111
320	62	143
321	38	5
321/407/689	71	17
325	48	63
326/937	61	123
329/845	75	96
331/630	44	25
334	54	83
336/743	69	85
337	48	71
339/781	42	40
341/510	44	13
347/718/917/929	64	13
351/978	47	58
352	51	48
353/608	72	159
360/564	64	75
361	50	68
363/516	58	11
369/707	55	75
380/614	53	16
385/801	48	20
386	54	33
401	41	25
402/531	73	281
404/470/678/943	59	1
405/572	54	84
406	56	260
408/669	50	11

NPA	POOLED OCNs	POOLED RATE CENTERS
409	49	48
410/443/667	65	102
412/878	54	23
413	52	63
414	38	4
415/628	55	14
417	58	155
419/567	62	179
423	60	71
425	43	14
430/903	60	180
432	40	45
434	45	66
435	44	80
440	48	62
442/760	60	84
448/850	55	63
458/541	60	156
464/708	43	31
470/678/770/943	64	41
472/910	56	81
478	51	47
479	38	68
480/602/623	54	1
484/610/835	66	90
501	45	61
502	52	35
503/971	60	62
504	44	5
505	51	33
507	60	196
508/774	47	85

NPA	POOLED OCNs	POOLED RATE CENTERS
509	70	119
512/737	62	35
515	61	75
517	65	78
518/838	79	135
520	49	27
530	56	117
534/715	95	253
539/918	61	151
540/826	62	117
559	46	57
561/728	52	7
562	47	9
563	50	86
571/703	56	19
573	58	216
574	48	57
575	45	64
580	46	154
582/814	63	178
585	56	77
586	43	11
601/769	57	104
603	52	148
605	57	120
606	49	105
607	61	105
609/640	56	39
612	52	1
615/629	56	49
616	57	36
617/857	56	20

NPA	POOLED OCNs	POOLED RATE CENTERS
618/730	53	214
619/858	48	19
620	73	201
624/716	66	79
626	49	10
631/934	55	53
636	38	46
641	52	184
650	46	15
651	50	12
656/813	61	8
657/714	49	13
660	54	224
661	53	32
662	56	122
682/817	53	24
701	60	131
702/725	51	16
704/980	61	55
706/762	76	106
712	70	185
719	53	61
724/878	59	162
727	44	5
731	49	65
732/848	53	36
734	53	33
747/818	47	16
754/954	51	5
757/948	44	34
763	50	10
765	59	138

NPA	POOLED OCNs	POOLED RATE CENTERS
772	43	8
773/872	49	10
775	47	58
779/815	67	194
785	62	206
787/939	20	84
802	42	141
803/839	65	82
804	49	55
805/820	57	40
806	52	128
808	36	6
810	44	47
812/930	69	171
816/975	54	73
828	56	73
830	51	88
831	45	24
840/909	51	21
843/854	57	90
856	57	32
859	54	42
860/959	43	57
862/973	71	41
863	50	22
864	54	66

NPA	POOLED OCNs	POOLED RATE CENTERS
865	52	33
870	52	210
901	50	14
904	54	19
906	32	93
907	28	260
908	61	38
912	59	59
913	48	34
914	59	28
915	39	11
919/984	60	38
925	42	17
928	54	86
931	51	90
936	51	68
940	62	79
941	48	11
949	50	7
951	48	20
952	46	3
956	48	34
970	50	94
979	58	52
985	39	45
989	59	135

ATTACHMENT 6

2023 P-ANI ACTIVITY AND PROJECTED EXHAUST REPORT

As noted in Section 7.2.4, the following tables contain the information required in the 2023 *p-ANI Activity and Projected Exhaust Report* and is based on data as of December 31, 2023.

- Table A6-1: Projected Exhaust of 211/511 p-ANIs by NPA
- Table A6-2: Projected Exhaust of 211/511 p-ANIs by State
- Table A6-3: Projected Exhaust of 211/511 p-ANIs by Year

NOTE: “N/A” for exhaust date and quarter indicates there is no forecasted demand so no exhaust date can be calculated.

Table A6-1
Projected Exhaust of 211/511 p-ANIs by NPA

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
201	NEW JERSEY	6,991	100	2146	1
202	DISTRICT OF COLUMBIA	459	0	N/A	N/A
203	CONNECTICUT	6,530	0	N/A	N/A
205	ALABAMA	5,194	0	N/A	N/A
206	WASHINGTON	1,247	0	N/A	N/A
207	MAINE	6,889	452	2045	1
208	IDAHO	5,938	300	2063	4
209	CALIFORNIA	4,449	20	2794	3
210	TEXAS	7,062	250	2068	4
212	NEW YORK	2,911	0	N/A	N/A
213	CALIFORNIA	2,731	0	N/A	N/A
214	TEXAS	7,552	120	2120	3
215	PENNSYLVANIA	1,240	0	N/A	N/A
216	OHIO	1,170	0	N/A	N/A
217	ILLINOIS	4,664	50	2323	3
218	MINNESOTA	2,895	0	N/A	N/A
219	INDIANA	2,588	0	N/A	N/A
220	OHIO	50	0	N/A	N/A
223	PENNSYLVANIA	50	0	N/A	N/A
224	ILLINOIS	7,962	150	2096	2
225	LOUISIANA	1,735	225	2097	1
227	MARYLAND	50	0	N/A	N/A
228	MISSISSIPPI	2,062	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
229	GEORGIA	3,249	5	5366	1
231	MICHIGAN	3,340	75	2238	1
234	OHIO	305	0	N/A	N/A
239	FLORIDA	1,211	0	N/A	N/A
240	MARYLAND	521	0	N/A	N/A
248	MICHIGAN	4,683	50	2322	2
251	ALABAMA	1,466	0	N/A	N/A
252	NORTH CAROLINA	4,590	0	N/A	N/A
253	WASHINGTON	825	25	2783	1
254	TEXAS	7,537	10	3262	2
256	ALABAMA	3,350	0	N/A	N/A
260	INDIANA	1,429	0	N/A	N/A
262	WISCONSIN	315	0	N/A	N/A
267	PENNSYLVANIA	50	0	N/A	N/A
269	MICHIGAN	1,592	25	2752	2
270	KENTUCKY	4,441	100	2172	3
272	PENNSYLVANIA	145	0	N/A	N/A
274	WISCONSIN	50	0	N/A	N/A
276	VIRGINIA	2,035	0	N/A	N/A
279	CALIFORNIA	50	0	N/A	N/A
281	TEXAS	10,671	0	N/A	N/A
283	OHIO	50	0	N/A	N/A
301	MARYLAND	1,247	40	2485	4
302	DELAWARE	1,499	50	2386	1
303	COLORADO	3,398	16	3054	3
304	WEST VIRGINIA	8,227	40	2310	2
305	FLORIDA	1,992	0	N/A	N/A
307	WYOMING	3,488	0	N/A	N/A
308	NEBRASKA	3,104	100	2185	4
309	ILLINOIS	4,104	0	N/A	N/A
310	CALIFORNIA	2,588	115	2167	2
312	ILLINOIS	3,910	0	N/A	N/A
313	MICHIGAN	696	12	3625	3
314	MISSOURI	9,594	0	N/A	N/A
315	NEW YORK	6,906	5	4635	4
316	KANSAS	4,865	50	2319	3
317	INDIANA	3,380	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
318	LOUISIANA	3,595	150	2125	2
319	IOWA	1,361	0	N/A	N/A
320	MINNESOTA	959	0	N/A	N/A
321	FLORIDA	1,988	0	N/A	N/A
323	CALIFORNIA	3,004	0	N/A	N/A
325	TEXAS	7,576	42	2312	4
326	OHIO	50	0	N/A	N/A
329	NEW YORK	50	0	N/A	N/A
330	OHIO	6,291	26	2543	2
331	ILLINOIS	75	0	N/A	N/A
332	NEW YORK	50	0	N/A	N/A
334	ALABAMA	4,786	0	N/A	N/A
336	NORTH CAROLINA	2,860	40	2444	3
337	LOUISIANA	2,125	150	2135	1
339	MASSACHUSETTS	50	0	N/A	N/A
340	VIRGIN ISLANDS	664	0	N/A	N/A
341	CALIFORNIA	50	0	N/A	N/A
346	TEXAS	50	0	N/A	N/A
347	NEW YORK	50	0	N/A	N/A
350	CALIFORNIA	50	0	N/A	N/A
351	MASSACHUSETTS	60	0	N/A	N/A
352	FLORIDA	2,253	40	2460	3
353	WISCONSIN	50	0	N/A	N/A
360	WASHINGTON	2,630	25	2711	4
361	TEXAS	6,883	275	2064	3
363	NEW YORK	50	0	N/A	N/A
364	KENTUCKY	110	0	N/A	N/A
369	CALIFORNIA	50	0	N/A	N/A
380	OHIO	50	0	N/A	N/A
385	UTAH	50	0	N/A	N/A
386	FLORIDA	1,810	0	N/A	N/A
401	RHODE ISLAND	460	0	N/A	N/A
402	NEBRASKA	8,522	0	N/A	N/A
404	GEORGIA	2,009	0	N/A	N/A
405	OKLAHOMA	12,265	60	2145	4
406	MONTANA	5,044	40	2390	4
407	FLORIDA	1,868	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
408	CALIFORNIA	2,204	26	2700	2
409	TEXAS	3,623	66	2078	4
410	MARYLAND	3,942	35	2475	4
412	PENNSYLVANIA	513	0	N/A	N/A
413	MASSACHUSETTS	3,641	0	N/A	N/A
414	WISCONSIN	5,280	139	2122	4
415	CALIFORNIA	1,179	0	N/A	N/A
417	MISSOURI	4,249	50	2331	1
419	OHIO	5,011	25	2616	3
423	TENNESSEE	4,272	50	2331	3
424	CALIFORNIA	50	0	N/A	N/A
425	WASHINGTON	771	0	N/A	N/A
430	TEXAS	962	50	2397	4
432	TEXAS	3,098	75	2241	2
434	VIRGINIA	2,409	0	N/A	N/A
435	UTAH	2,345	0	N/A	N/A
440	OHIO	2,150	20	2908	3
442	CALIFORNIA	90	0	N/A	N/A
443	MARYLAND	100	0	N/A	N/A
445	PENNSYLVANIA	50	0	N/A	N/A
447	ILLINOIS	50	0	N/A	N/A
448	FLORIDA	50	0	N/A	N/A
458	OREGON	50	0	N/A	N/A
463	INDIANA	50	0	N/A	N/A
469	TEXAS	3,107	0	N/A	N/A
470	GEORGIA	173	0	N/A	N/A
472	NORTH CAROLINA	50	0	N/A	N/A
475	CONNECTICUT	1,745	0	N/A	N/A
478	GEORGIA	2,098	155	2131	2
479	ARKANSAS	3,258	0	N/A	N/A
480	ARIZONA	520	0	N/A	N/A
484	PENNSYLVANIA	100	5	5996	1
501	ARKANSAS	6,483	85	2175	1
502	KENTUCKY	1,906	50	2378	4
503	OREGON	2,850	0	N/A	N/A
504	LOUISIANA	1,001	0	N/A	N/A
505	NEW MEXICO	3,220	50	2352	3

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
507	MINNESOTA	2,305	10	3786	3
508	MASSACHUSETTS	6,891	0	N/A	N/A
509	WASHINGTON	3,103	0	N/A	N/A
510	CALIFORNIA	2,401	0	N/A	N/A
512	TEXAS	9,506	100	2121	4
513	OHIO	3,307	0	N/A	N/A
515	IOWA	6,908	0	N/A	N/A
516	NEW YORK	737	100	2209	3
517	MICHIGAN	371	0	N/A	N/A
518	NEW YORK	5,195	35	2439	1
520	ARIZONA	2,480	30	2600	1
530	CALIFORNIA	6,808	70	2204	2
531	NEBRASKA	50	0	N/A	N/A
534	WISCONSIN	50	0	N/A	N/A
539	OKLAHOMA	50	0	N/A	N/A
540	VIRGINIA	5,048	20	2764	3
541	OREGON	5,445	25	2598	1
551	NEW JERSEY	120	0	N/A	N/A
557	MISSOURI	50	0	N/A	N/A
559	CALIFORNIA	3,714	0	N/A	N/A
561	FLORIDA	2,887	0	N/A	N/A
562	CALIFORNIA	2,332	0	N/A	N/A
563	IOWA	1,087	0	N/A	N/A
564	WASHINGTON	50	0	N/A	N/A
567	OHIO	299	0	N/A	N/A
570	PENNSYLVANIA	5,014	220	2084	1
571	VIRGINIA	50	0	N/A	N/A
572	OKLAHOMA	50	0	N/A	N/A
573	MISSOURI	3,476	81	2220	1
574	INDIANA	1,828	25	2743	4
575	NEW MEXICO	1,822	26	2715	1
580	OKLAHOMA	1,517	49	2393	1
582	PENNSYLVANIA	50	0	N/A	N/A
585	NEW YORK	1,338	0	N/A	N/A
586	MICHIGAN	150	50	2413	1
601	MISSISSIPPI	3,969	0	N/A	N/A
602	ARIZONA	2,511	75	2249	1

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
603	NEW HAMPSHIRE	813	0	N/A	N/A
605	SOUTH DAKOTA	2,645	40	2450	4
606	KENTUCKY	4,009	190	2100	1
607	NEW YORK	2,466	10	3769	2
608	WISCONSIN	3,197	10	3696	2
609	NEW JERSEY	8,362	11	3074	1
610	PENNSYLVANIA	1,976	0	N/A	N/A
612	MINNESOTA	2,550	0	N/A	N/A
614	OHIO	1,837	0	N/A	N/A
615	TENNESSEE	3,446	45	2384	4
616	MICHIGAN	3,294	25	2684	1
617	MASSACHUSETTS	1,083	0	N/A	N/A
618	ILLINOIS	9,425	56	2205	4
619	CALIFORNIA	1,969	0	N/A	N/A
620	KANSAS	2,633	122	2158	2
623	ARIZONA	136	0	N/A	N/A
624	NEW YORK	50	0	N/A	N/A
626	CALIFORNIA	2,671	0	N/A	N/A
628	CALIFORNIA	60	0	N/A	N/A
629	TENNESSEE	50	0	N/A	N/A
630	ILLINOIS	3,956	49	2343	2
631	NEW YORK	1,317	0	N/A	N/A
636	MISSOURI	2,203	26	2700	3
640	NEW JERSEY	50	0	N/A	N/A
641	IOWA	2,003	0	N/A	N/A
645	FLORIDA	50	0	N/A	N/A
646	NEW YORK	50	0	N/A	N/A
650	CALIFORNIA	2,545	50	2365	1
651	MINNESOTA	408	0	N/A	N/A
656	FLORIDA	50	0	N/A	N/A
657	CALIFORNIA	60	0	N/A	N/A
659	ALABAMA	50	0	N/A	N/A
660	MISSOURI	2,570	30	2597	1
661	CALIFORNIA	2,093	0	N/A	N/A
662	MISSISSIPPI	10,547	5	3907	3
667	MARYLAND	85	0	N/A	N/A
669	CALIFORNIA	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
678	GEORGIA	6,303	10	3386	3
680	NEW YORK	50	0	N/A	N/A
681	WEST VIRGINIA	195	0	N/A	N/A
682	TEXAS	6,909	0	N/A	N/A
689	FLORIDA	50	0	N/A	N/A
701	NORTH DAKOTA	1,910	0	N/A	N/A
702	NEVADA	1,085	0	N/A	N/A
703	VIRGINIA	1,418	0	N/A	N/A
704	NORTH CAROLINA	2,323	0	N/A	N/A
706	GEORGIA	4,465	95	2180	3
707	CALIFORNIA	5,324	45	2342	1
708	ILLINOIS	7,627	80	2171	3
712	IOWA	1,684	0	N/A	N/A
713	TEXAS	2,097	0	N/A	N/A
714	CALIFORNIA	3,269	0	N/A	N/A
715	WISCONSIN	4,424	145	2123	2
716	NEW YORK	1,742	5	5668	3
717	PENNSYLVANIA	1,779	132	2154	1
718	NEW YORK	205	0	N/A	N/A
719	COLORADO	3,696	415	2055	2
720	COLORADO	390	0	N/A	N/A
724	PENNSYLVANIA	2,204	0	N/A	N/A
725	NEVADA	50	0	N/A	N/A
726	TEXAS	50	0	N/A	N/A
727	FLORIDA	848	0	N/A	N/A
728	FLORIDA	50	0	N/A	N/A
730	ILLINOIS	50	0	N/A	N/A
731	TENNESSEE	1,860	30	2621	3
732	NEW JERSEY	7,658	185	2083	3
734	MICHIGAN	6,234	45	2322	4
737	TEXAS	50	0	N/A	N/A
740	OHIO	5,630	0	N/A	N/A
743	NORTH CAROLINA	50	0	N/A	N/A
747	CALIFORNIA	50	0	N/A	N/A
754	FLORIDA	123	0	N/A	N/A
757	VIRGINIA	2,328	60	2311	3
760	CALIFORNIA	4,773	6	4554	4

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
762	GEORGIA	50	0	N/A	N/A
763	MINNESOTA	806	0	N/A	N/A
765	INDIANA	7,113	0	N/A	N/A
769	MISSISSIPPI	1,122	0	N/A	N/A
770	GEORGIA	2,114	0	N/A	N/A
771	DISTRICT OF COLUMBIA	50	0	N/A	N/A
772	FLORIDA	760	0	N/A	N/A
773	ILLINOIS	50	0	N/A	N/A
774	MASSACHUSETTS	745	0	N/A	N/A
775	NEVADA	2,262	16	3125	3
779	ILLINOIS	140	0	N/A	N/A
781	MASSACHUSETTS	2,711	0	N/A	N/A
785	KANSAS	6,891	145	2106	2
786	FLORIDA	202	0	N/A	N/A
787	PUERTO RICO	582	105	2201	4
801	UTAH	2,809	0	N/A	N/A
802	VERMONT	1,315	40	2483	1
803	SOUTH CAROLINA	3,815	0	N/A	N/A
804	VIRGINIA	3,573	50	2345	3
805	CALIFORNIA	3,534	25	2675	3
806	TEXAS	8,188	305	2055	3
808	HAWAII	1,255	75	2,266	4
810	MICHIGAN	475	0	N/A	N/A
812	INDIANA	5,298	26	2581	2
813	FLORIDA	1,221	25	2767	1
814	PENNSYLVANIA	3,013	0	N/A	N/A
815	ILLINOIS	3,705	75	2233	2
816	MISSOURI	5,027	50	2315	2
817	TEXAS	6,944	1,019	2029	4
818	CALIFORNIA	921	0	N/A	N/A
820	CALIFORNIA	50	0	N/A	N/A
826	VIRGINIA	50	0	N/A	N/A
828	NORTH CAROLINA	3,881	15	3091	3
830	TEXAS	2,706	30	2592	2
831	CALIFORNIA	2,202	25	2728	4
832	TEXAS	6,135	125	2127	4
835	PENNSYLVANIA	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
838	NEW YORK	50	0	N/A	N/A
839	SOUTH CAROLINA	50	0	N/A	N/A
840	CALIFORNIA	50	0	N/A	N/A
843	SOUTH CAROLINA	3,765	25	2665	2
845	NEW YORK	2,738	0	N/A	N/A
847	ILLINOIS	3,684	144	2129	2
848	NEW JERSEY	55	0	N/A	N/A
850	FLORIDA	2,886	50	2358	2
854	SOUTH CAROLINA	50	0	N/A	N/A
856	NEW JERSEY	4,757	0	N/A	N/A
857	MASSACHUSETTS	50	0	N/A	N/A
858	CALIFORNIA	3,028	0	N/A	N/A
859	KENTUCKY	4,368	85	2200	4
860	CONNECTICUT	10,547	25	2394	1
861	ILLINOIS	50	0	N/A	N/A
862	NEW JERSEY	330	0	N/A	N/A
863	FLORIDA	1,267	0	N/A	N/A
864	SOUTH CAROLINA	3,217	50	2352	3
865	TENNESSEE	2,427	36	2504	1
870	ARKANSAS	5,293	20	2751	2
872	ILLINOIS	50	0	N/A	N/A
878	PENNSYLVANIA	50	0	N/A	N/A
901	TENNESSEE	1,835	0	N/A	N/A
903	TEXAS	9,959	50	2217	4
904	FLORIDA	2,072	130	2154	4
906	MICHIGAN	1,707	20	2931	3
907	ALASKA	2,564	146	2135	2
908	NEW JERSEY	6,122	95	2162	1
909	CALIFORNIA	3,547	0	N/A	N/A
910	NORTH CAROLINA	3,786	50	2340	2
912	GEORGIA	3,078	135	2141	2
913	KANSAS	2,585	50	2364	2
914	NEW YORK	1,989	0	N/A	N/A
915	TEXAS	1,013	0	N/A	N/A
916	CALIFORNIA	2,715	141	2139	3
917	NEW YORK	50	0	N/A	N/A
918	OKLAHOMA	7,445	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
919	NORTH CAROLINA	2,656	0	N/A	N/A
920	WISCONSIN	3,590	20	2836	3
925	CALIFORNIA	2,559	10	3760	1
928	ARIZONA	2,473	125	2156	1
929	NEW YORK	50	0	N/A	N/A
930	INDIANA	50	0	N/A	N/A
931	TENNESSEE	3,639	10	3652	1
934	NEW YORK	50	0	N/A	N/A
936	TEXAS	290	0	N/A	N/A
937	OHIO	3,912	0	N/A	N/A
938	ALABAMA	50	0	N/A	N/A
939	PUERTO RICO	50	0	N/A	N/A
940	TEXAS	4,372	39	2417	3
941	FLORIDA	951	0	N/A	N/A
943	GEORGIA	50	0	N/A	N/A
947	MICHIGAN	1,627	0	N/A	N/A
948	VIRGINIA	50	0	N/A	N/A
949	CALIFORNIA	1,131	0	N/A	N/A
951	CALIFORNIA	2,314	0	N/A	N/A
952	MINNESOTA	355	0	N/A	N/A
954	FLORIDA	2,153	0	N/A	N/A
956	TEXAS	6,616	0	N/A	N/A
959	CONNECTICUT	50	0	N/A	N/A
970	COLORADO	3,016	15	3148	2
971	OREGON	111	0	N/A	N/A
972	TEXAS	4,271	0	N/A	N/A
973	NEW JERSEY	10,090	55	2196	1
975	MISSOURI	50	0	N/A	N/A
978	MASSACHUSETTS	3,714	0	N/A	N/A
979	TEXAS	2,881	0	N/A	N/A
980	NORTH CAROLINA	370	0	N/A	N/A
983	COLORADO	50	0	N/A	N/A
984	NORTH CAROLINA	60	0	N/A	N/A
985	LOUISIANA	2,331	125	2157	2
986	IDAHO	50	0	N/A	N/A
989	MICHIGAN	2,425	65	2286	2

**Table A6-2
Projected Exhaust of 211/511 p-ANIs by State**

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
205	ALABAMA	5,194	0	N/A	N/A
251	ALABAMA	1,466	0	N/A	N/A
256	ALABAMA	3,350	0	N/A	N/A
334	ALABAMA	4,786	0	N/A	N/A
659	ALABAMA	50	0	N/A	N/A
938	ALABAMA	50	0	N/A	N/A
907	ALASKA	2,564	146	2135	2
480	ARIZONA	520	0	N/A	N/A
520	ARIZONA	2,480	30	2600	1
602	ARIZONA	2,511	75	2249	1
623	ARIZONA	136	0	N/A	N/A
928	ARIZONA	2,473	125	2156	1
479	ARKANSAS	3,258	0	N/A	N/A
501	ARKANSAS	6,483	85	2175	1
870	ARKANSAS	5,293	20	2751	2
209	CALIFORNIA	4,449	20	2794	3
213	CALIFORNIA	2,731	0	N/A	N/A
279	CALIFORNIA	50	0	N/A	N/A
310	CALIFORNIA	2,588	115	2167	2
323	CALIFORNIA	3,004	0	N/A	N/A
341	CALIFORNIA	50	0	N/A	N/A
350	CALIFORNIA	50	0	N/A	N/A
369	CALIFORNIA	50	0	N/A	N/A
408	CALIFORNIA	2,204	26	2700	2
415	CALIFORNIA	1,179	0	N/A	N/A
424	CALIFORNIA	50	0	N/A	N/A
442	CALIFORNIA	90	0	N/A	N/A
510	CALIFORNIA	2,401	0	N/A	N/A
530	CALIFORNIA	6,808	70	2204	2
559	CALIFORNIA	3,714	0	N/A	N/A
562	CALIFORNIA	2,332	0	N/A	N/A
619	CALIFORNIA	1,969	0	N/A	N/A
626	CALIFORNIA	2,671	0	N/A	N/A
628	CALIFORNIA	60	0	N/A	N/A
650	CALIFORNIA	2,545	50	2365	1

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
657	CALIFORNIA	60	0	N/A	N/A
661	CALIFORNIA	2,093	0	N/A	N/A
669	CALIFORNIA	50	0	N/A	N/A
707	CALIFORNIA	5,324	45	2342	1
714	CALIFORNIA	3,269	0	N/A	N/A
747	CALIFORNIA	50	0	N/A	N/A
760	CALIFORNIA	4,773	6	4554	4
805	CALIFORNIA	3,534	25	2675	3
818	CALIFORNIA	921	0	N/A	N/A
820	CALIFORNIA	50	0	N/A	N/A
831	CALIFORNIA	2,202	25	2728	4
840	CALIFORNIA	50	0	N/A	N/A
858	CALIFORNIA	3,028	0	N/A	N/A
909	CALIFORNIA	3,547	0	N/A	N/A
916	CALIFORNIA	2,715	141	2139	3
925	CALIFORNIA	2,559	10	3760	1
949	CALIFORNIA	1,131	0	N/A	N/A
951	CALIFORNIA	2,314	0	N/A	N/A
303	COLORADO	3,398	16	3054	3
719	COLORADO	3,696	415	2055	2
720	COLORADO	390	0	N/A	N/A
970	COLORADO	3,016	15	3148	2
983	COLORADO	50	0	N/A	N/A
203	CONNECTICUT	6,530	0	N/A	N/A
475	CONNECTICUT	1,745	0	N/A	N/A
860	CONNECTICUT	10,547	25	2394	1
959	CONNECTICUT	50	0	N/A	N/A
302	DELAWARE	1,499	50	2386	1
202	DISTRICT OF COLUMBIA	459	0	N/A	N/A
771	DISTRICT OF COLUMBIA	50	0	N/A	N/A
239	FLORIDA	1,211	0	N/A	N/A
305	FLORIDA	1,992	0	N/A	N/A
321	FLORIDA	1,988	0	N/A	N/A
352	FLORIDA	2,253	40	2460	3
386	FLORIDA	1,810	0	N/A	N/A
407	FLORIDA	1,868	0	N/A	N/A
448	FLORIDA	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
561	FLORIDA	2,887	0	N/A	N/A
645	FLORIDA	50	0	N/A	N/A
656	FLORIDA	50	0	N/A	N/A
689	FLORIDA	50	0	N/A	N/A
727	FLORIDA	848	0	N/A	N/A
728	FLORIDA	50	0	N/A	N/A
754	FLORIDA	123	0	N/A	N/A
772	FLORIDA	760	0	N/A	N/A
786	FLORIDA	202	0	N/A	N/A
813	FLORIDA	1,221	25	2767	1
850	FLORIDA	2,886	50	2358	2
863	FLORIDA	1,267	0	N/A	N/A
904	FLORIDA	2,072	130	2154	4
941	FLORIDA	951	0	N/A	N/A
954	FLORIDA	2,153	0	N/A	N/A
229	GEORGIA	3,249	5	5366	1
404	GEORGIA	2,009	0	N/A	N/A
470	GEORGIA	173	0	N/A	N/A
478	GEORGIA	2,098	155	2131	2
678	GEORGIA	6,303	10	3386	3
706	GEORGIA	4,465	95	2180	3
762	GEORGIA	50	0	N/A	N/A
770	GEORGIA	2,114	0	N/A	N/A
912	GEORGIA	3,078	135	2141	2
943	GEORGIA	50	0	N/A	N/A
808	HAWAII	1,255	75	2266	4
208	IDAHO	5,938	300	2063	4
986	IDAHO	50	0	N/A	N/A
217	ILLINOIS	4,664	50	2323	3
224	ILLINOIS	7,962	150	2096	2
309	ILLINOIS	4,104	0	N/A	N/A
312	ILLINOIS	3,910	0	N/A	N/A
331	ILLINOIS	75	0	N/A	N/A
447	ILLINOIS	50	0	N/A	N/A
618	ILLINOIS	9,425	56	2205	4
630	ILLINOIS	3,956	49	2343	2
708	ILLINOIS	7,627	80	2171	3

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
730	ILLINOIS	50	0	N/A	N/A
773	ILLINOIS	50	0	N/A	N/A
779	ILLINOIS	140	0	N/A	N/A
815	ILLINOIS	3,705	75	2233	2
847	ILLINOIS	3,684	144	2129	2
861	ILLINOIS	50	0	N/A	N/A
872	ILLINOIS	50	0	N/A	N/A
219	INDIANA	2,588	0	N/A	N/A
260	INDIANA	1,429	0	N/A	N/A
317	INDIANA	3,380	0	N/A	N/A
463	INDIANA	50	0	N/A	N/A
574	INDIANA	1,828	25	2743	4
765	INDIANA	7,113	0	N/A	N/A
812	INDIANA	5,298	26	2581	2
930	INDIANA	50	0	N/A	N/A
319	IOWA	1,361	0	N/A	N/A
515	IOWA	6,908	0	N/A	N/A
563	IOWA	1,087	0	N/A	N/A
641	IOWA	2,003	0	N/A	N/A
712	IOWA	1,684	0	N/A	N/A
316	KANSAS	4,865	50	2319	3
620	KANSAS	2,633	122	2158	2
785	KANSAS	6,891	145	2106	2
913	KANSAS	2,585	50	2364	2
270	KENTUCKY	4,441	100	2172	3
364	KENTUCKY	110	0	N/A	N/A
502	KENTUCKY	1,906	50	2378	4
606	KENTUCKY	4,009	190	2100	1
859	KENTUCKY	4,368	85	2200	4
225	LOUISIANA	1,735	225	2097	1
318	LOUISIANA	3,595	150	2125	2
337	LOUISIANA	2,125	150	2135	1
504	LOUISIANA	1,001	0	N/A	N/A
985	LOUISIANA	2,331	125	2157	2
207	MAINE	6,889	452	2045	1
227	MARYLAND	50	0	N/A	N/A
240	MARYLAND	521	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
301	MARYLAND	1,247	40	2485	4
410	MARYLAND	3,942	35	2475	4
443	MARYLAND	100	0	N/A	N/A
667	MARYLAND	85	0	N/A	N/A
339	MASSACHUSETTS	50	0	N/A	N/A
351	MASSACHUSETTS	60	0	N/A	N/A
413	MASSACHUSETTS	3,641	0	N/A	N/A
508	MASSACHUSETTS	6,891	0	N/A	N/A
617	MASSACHUSETTS	1,083	0	N/A	N/A
774	MASSACHUSETTS	745	0	N/A	N/A
781	MASSACHUSETTS	2,711	0	N/A	N/A
857	MASSACHUSETTS	50	0	N/A	N/A
978	MASSACHUSETTS	3,714	0	N/A	N/A
231	MICHIGAN	3,340	75	2238	1
248	MICHIGAN	4,683	50	2322	2
269	MICHIGAN	1,592	25	2752	2
313	MICHIGAN	696	12	3625	3
517	MICHIGAN	371	0	N/A	N/A
586	MICHIGAN	150	50	2413	1
616	MICHIGAN	3,294	25	2684	1
734	MICHIGAN	6,234	45	2322	4
810	MICHIGAN	475	0	N/A	N/A
906	MICHIGAN	1,707	20	2931	3
947	MICHIGAN	1,627	0	N/A	N/A
989	MICHIGAN	2,425	65	2286	2
218	MINNESOTA	2,895	0	N/A	N/A
320	MINNESOTA	959	0	N/A	N/A
507	MINNESOTA	2,305	10	3786	3
612	MINNESOTA	2,550	0	N/A	N/A
651	MINNESOTA	408	0	N/A	N/A
763	MINNESOTA	806	0	N/A	N/A
952	MINNESOTA	355	0	N/A	N/A
228	MISSISSIPPI	2,062	0	N/A	N/A
601	MISSISSIPPI	3,969	0	N/A	N/A
662	MISSISSIPPI	10,547	5	3907	3
769	MISSISSIPPI	1,122	0	N/A	N/A
314	MISSOURI	9,594	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
417	MISSOURI	4,249	50	2331	1
557	MISSOURI	50	0	N/A	N/A
573	MISSOURI	3,476	81	2220	1
636	MISSOURI	2,203	26	2700	3
660	MISSOURI	2,570	30	2597	1
816	MISSOURI	5,027	50	2315	2
975	MISSOURI	50	0	N/A	N/A
406	MONTANA	5,044	40	2390	4
308	NEBRASKA	3,104	100	2185	4
402	NEBRASKA	8,522	0	N/A	N/A
531	NEBRASKA	50	0	N/A	N/A
702	NEVADA	1,085	0	N/A	N/A
725	NEVADA	50	0	N/A	N/A
775	NEVADA	2,262	16	3125	3
603	NEW HAMPSHIRE	813	0	N/A	N/A
201	NEW JERSEY	6,991	100	2146	1
551	NEW JERSEY	120	0	N/A	N/A
609	NEW JERSEY	8,362	11	3074	1
640	NEW JERSEY	50	0	N/A	N/A
732	NEW JERSEY	7,658	185	2083	3
848	NEW JERSEY	55	0	N/A	N/A
856	NEW JERSEY	4,757	0	N/A	N/A
862	NEW JERSEY	330	0	N/A	N/A
908	NEW JERSEY	6,122	95	2162	1
973	NEW JERSEY	10,090	55	2196	1
505	NEW MEXICO	3,220	50	2352	3
575	NEW MEXICO	1,822	26	2715	1
212	NEW YORK	2,911	0	N/A	N/A
315	NEW YORK	6,906	5	4635	4
329	NEW YORK	50	0	N/A	N/A
332	NEW YORK	50	0	N/A	N/A
347	NEW YORK	50	0	N/A	N/A
363	NEW YORK	50	0	N/A	N/A
516	NEW YORK	737	100	2209	3
518	NEW YORK	5,195	35	2439	1
585	NEW YORK	1,338	0	N/A	N/A
607	NEW YORK	2,466	10	3769	2

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
624	NEW YORK	50	0	N/A	N/A
631	NEW YORK	1,317	0	N/A	N/A
646	NEW YORK	50	0	N/A	N/A
680	NEW YORK	50	0	N/A	N/A
716	NEW YORK	1,742	5	5668	3
718	NEW YORK	205	0	N/A	N/A
838	NEW YORK	50	0	N/A	N/A
845	NEW YORK	2,738	0	N/A	N/A
914	NEW YORK	1,989	0	N/A	N/A
917	NEW YORK	50	0	N/A	N/A
929	NEW YORK	50	0	N/A	N/A
934	NEW YORK	50	0	N/A	N/A
702	NEVADA	1,085	0	N/A	N/A
725	NEVADA	50	0	N/A	N/A
775	NEVADA	2,262	16	3125	3
252	NORTH CAROLINA	4,590	0	N/A	N/A
336	NORTH CAROLINA	2,860	40	2444	3
472	NORTH CAROLINA	50	0	N/A	N/A
704	NORTH CAROLINA	2,323	0	N/A	N/A
743	NORTH CAROLINA	50	0	N/A	N/A
828	NORTH CAROLINA	3,881	15	3091	3
910	NORTH CAROLINA	3,786	50	2340	2
919	NORTH CAROLINA	2,656	0	N/A	N/A
980	NORTH CAROLINA	370	0	N/A	N/A
984	NORTH CAROLINA	60	0	N/A	N/A
701	NORTH DAKOTA	1,910	0	N/A	N/A
216	OHIO	1,170	0	N/A	N/A
220	OHIO	50	0	N/A	N/A
234	OHIO	305	0	N/A	N/A
283	OHIO	50	0	N/A	N/A
326	OHIO	50	0	N/A	N/A
330	OHIO	6,291	26	2543	2
380	OHIO	50	0	N/A	N/A
419	OHIO	5,011	25	2616	3
440	OHIO	2,150	20	2908	3
513	OHIO	3,307	0	N/A	N/A
567	OHIO	299	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
614	OHIO	1,837	0	N/A	N/A
740	OHIO	5,630	0	N/A	N/A
937	OHIO	3,912	0	N/A	N/A
405	OKLAHOMA	12,265	60	2145	4
539	OKLAHOMA	50	0	N/A	N/A
572	OKLAHOMA	50	0	N/A	N/A
580	OKLAHOMA	1,517	49	2393	1
918	OKLAHOMA	7,445	0	N/A	N/A
458	OREGON	50	0	N/A	N/A
503	OREGON	2,850	0	N/A	N/A
541	OREGON	5,445	25	2598	1
971	OREGON	111	0	N/A	N/A
215	PENNSYLVANIA	1,240	0	N/A	N/A
223	PENNSYLVANIA	50	0	N/A	N/A
267	PENNSYLVANIA	50	0	N/A	N/A
272	PENNSYLVANIA	145	0	N/A	N/A
412	PENNSYLVANIA	513	0	N/A	N/A
445	PENNSYLVANIA	50	0	N/A	N/A
484	PENNSYLVANIA	100	5	5996	1
570	PENNSYLVANIA	5,014	220	2084	1
582	PENNSYLVANIA	50	0	N/A	N/A
610	PENNSYLVANIA	1,976	0	N/A	N/A
717	PENNSYLVANIA	1,779	132	2154	1
724	PENNSYLVANIA	2,204	0	N/A	N/A
814	PENNSYLVANIA	3,013	0	N/A	N/A
835	PENNSYLVANIA	50	0	N/A	N/A
878	PENNSYLVANIA	50	0	N/A	N/A
787	PUERTO RICO	582	105	2201	4
939	PUERTO RICO	50	0	N/A	N/A
401	RHODE ISLAND	460	0	N/A	N/A
803	SOUTH CAROLINA	3,815	0	N/A	N/A
839	SOUTH CAROLINA	50	0	N/A	N/A
843	SOUTH CAROLINA	3,765	25	2665	2
854	SOUTH CAROLINA	50	0	N/A	N/A
864	SOUTH CAROLINA	3,217	50	2352	3
605	SOUTH DAKOTA	2,645	40	2450	4
423	TENNESSEE	4,272	50	2331	3

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
615	TENNESSEE	3,446	45	2384	4
629	TENNESSEE	50	0	N/A	N/A
731	TENNESSEE	1,860	30	2621	3
865	TENNESSEE	2,427	36	2504	1
901	TENNESSEE	1,835	0	N/A	N/A
931	TENNESSEE	3,639	10	3652	1
210	TEXAS	7,062	250	2068	4
214	TEXAS	7,552	120	2120	3
254	TEXAS	7,537	10	3262	2
281	TEXAS	10,671	0	N/A	N/A
325	TEXAS	7,576	42	2312	4
346	TEXAS	50	0	N/A	N/A
361	TEXAS	6,883	275	2064	3
409	TEXAS	3,623	66	2078	4
430	TEXAS	962	50	2397	4
432	TEXAS	3,098	75	2241	2
469	TEXAS	3,107	0	N/A	N/A
512	TEXAS	9,506	100	2121	4
682	TEXAS	6,909	0	N/A	N/A
713	TEXAS	2,097	0	N/A	N/A
726	TEXAS	50	0	N/A	N/A
737	TEXAS	50	0	N/A	N/A
806	TEXAS	8,188	305	2055	3
817	TEXAS	6,944	1019	2029	4
830	TEXAS	2,706	30	2592	2
832	TEXAS	6,135	125	2127	4
903	TEXAS	9,959	50	2217	4
915	TEXAS	1,013	0	N/A	N/A
936	TEXAS	290	0	N/A	N/A
940	TEXAS	4,372	39	2417	3
956	TEXAS	6,616	0	N/A	N/A
972	TEXAS	4,271	0	N/A	N/A
979	TEXAS	2,881	0	N/A	N/A
385	UTAH	50	0	N/A	N/A
435	UTAH	2,345	0	N/A	N/A
801	UTAH	2,809	0	N/A	N/A
802	VERMONT	1,315	40	2483	1

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
340	VIRGIN ISLANDS	664	0	N/A	N/A
276	VIRGINIA	2,035	0	N/A	N/A
434	VIRGINIA	2,409	0	N/A	N/A
540	VIRGINIA	5,048	20	2764	3
571	VIRGINIA	50	0	N/A	N/A
703	VIRGINIA	1,418	0	N/A	N/A
757	VIRGINIA	2,328	60	2311	3
804	VIRGINIA	3,573	50	2345	3
826	VIRGINIA	50	0	N/A	N/A
948	VIRGINIA	50	0	N/A	N/A
206	WASHINGTON	1,247	0	N/A	N/A
253	WASHINGTON	825	25	2783	1
360	WASHINGTON	2,630	25	2711	4
425	WASHINGTON	771	0	N/A	N/A
509	WASHINGTON	3,103	0	N/A	N/A
564	WASHINGTON	50	0	N/A	N/A
304	WEST VIRGINIA	8,227	40	2310	2
681	WEST VIRGINIA	195	0	N/A	N/A
307	WEST VIRGINIA	3,488	0	N/A	N/A
262	WISCONSIN	315	0	N/A	N/A
274	WISCONSIN	50	0	N/A	N/A
353	WISCONSIN	50	0	N/A	N/A
414	WISCONSIN	5,280	139	2122	4
534	WISCONSIN	50	0	N/A	N/A
608	WISCONSIN	3,197	10	3696	2
715	WISCONSIN	4,424	145	2123	2
920	WISCONSIN	3,590	20	2836	3

Table A6-3
Projected Exhaust of 211/511 p-ANIs by Year

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
817	TEXAS	6,944	1019	2029	4
207	MAINE	6,889	452	2045	1
719	COLORADO	3,696	415	2055	2
806	TEXAS	8,188	305	2055	3
208	IDAHO	5,938	300	2063	4

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
361	TEXAS	6,883	275	2064	3
210	TEXAS	7,062	250	2068	4
409	TEXAS	3,623	66	2078	4
732	NEW JERSEY	7,658	185	2083	3
570	PENNSYLVANIA	5,014	220	2084	1
224	ILLINOIS	7,962	150	2096	2
225	LOUISIANA	1,735	225	2097	1
606	KENTUCKY	4,009	190	2100	1
785	KANSAS	6,891	145	2106	2
214	TEXAS	7,552	120	2120	3
512	TEXAS	9,506	100	2121	4
414	WISCONSIN	5,280	139	2122	4
715	WISCONSIN	4,424	145	2123	2
318	LOUISIANA	3,595	150	2125	2
832	TEXAS	6,135	125	2127	4
847	ILLINOIS	3,684	144	2129	2
478	GEORGIA	2,098	155	2131	2
337	LOUISIANA	2,125	150	2135	1
907	ARKANSAS	2,564	146	2135	2
916	CALIFORNIA	2,715	141	2139	3
912	GEORGIA	3,078	135	2141	2
405	OKLAHOMA	12,265	60	2145	4
201	NEW JERSEY	6,991	100	2146	1
717	PENNSYLVANIA	1,779	132	2154	1
904	FLORIDA	2,072	130	2154	4
928	ARIZONA	2,473	125	2156	1
985	LOUISIANA	2,331	125	2157	2
620	KANSAS	2,633	122	2158	2
908	NEW JERSEY	6,122	95	2162	1
310	CALIFORNIA	2,588	115	2167	2
708	ILLINOIS	7,627	80	2171	3
270	KENTUCKY	4,441	100	2172	3
501	ARKANSAS	6,483	85	2175	1
706	GEORGIA	4,465	95	2180	3
308	NEBRASKA	3,104	100	2185	4
973	NEW JERSEY	10,090	55	2196	1
859	KENTUCKY	4,368	85	2200	4

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
787	PUERTO RICO	582	105	2201	4
530	CALIFORNIA	6,808	70	2204	2
618	ILLINOIS	9,425	56	2205	4
516	NEW YORK	737	100	2209	3
903	TEXAS	9,959	50	2217	4
573	MISSOURI	3,476	81	2220	1
815	ILLINOIS	3,705	75	2233	2
231	MICHIGAN	3,340	75	2238	1
432	TEXAS	3,098	75	2241	2
602	ARIZONA	2,511	75	2249	1
808	HAWAII	1,255	75	2266	4
989	MICHIGAN	2,425	65	2286	2
304	WEST VIRGINIA	8,227	40	2310	2
757	VIRGINIA	2,328	60	2311	3
325	TEXAS	7,576	42	2312	4
816	MISSOURI	5,027	50	2315	2
316	KANSAS	4,865	50	2319	3
248	MICHIGAN	4,683	50	2322	2
734	MICHIGAN	6,234	45	2322	4
217	ILLINOIS	4,664	50	2323	3
417	MISSOURI	4,249	50	2331	1
423	TENNESSEE	4,272	50	2331	3
910	NORTH CAROLINA	3,786	50	2340	2
707	CALIFORNIA	5,324	45	2342	1
630	ILLINOIS	3,956	49	2343	2
804	VIRGINIA	3,573	50	2345	3
505	NEW MEXICO	3,220	50	2352	3
864	SOUTH CAROLINA	3,217	50	2352	3
850	FLORIDA	2,886	50	2358	2
913	KANSAS	2,585	50	2364	2
650	CALIFORNIA	2,545	50	2365	1
502	KENTUCKY	1,906	50	2378	4
615	TENN	3,446	45	2384	4
302	DELAWARE	1,499	50	2386	1
406	MONTANA	5,044	40	2390	4
580	OKLAHOMA	1,517	49	2393	1
860	CONNECTICUT	10,547	25	2394	1

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
430	TEXAS	962	50	2397	4
586	MICHIGAN	150	50	2413	1
940	TEXAS	4,372	39	2417	3
518	NEW YORK	5,195	35	2439	1
336	NORTH CAROLINA	2,860	40	2444	3
605	SOUTH DAKOTA	2,645	40	2450	4
352	FLORIDA	2,253	40	2460	3
410	MARYLAND	3,942	35	2475	4
802	VERMONT	1,315	40	2483	1
301	MARYLAND	1,247	40	2485	4
865	TENNESSEE	2,427	36	2504	1
330	OHIO	6,291	26	2543	2
812	INDIANA	5,298	26	2581	2
830	TEXAS	2,706	30	2592	2
660	MISSOURI	2,570	30	2597	1
541	OREGON	5,445	25	2598	1
520	ARIZONA	2,480	30	2600	1
419	OHIO	5,011	25	2616	3
731	TENNESSEE	1,860	30	2621	3
843	SOUTH CAROLINA	3,765	25	2665	2
805	CALIFORNIA	3,534	25	2675	3
616	MICHIGAN	3,294	25	2684	1
408	CALIFORNIA	2,204	26	2700	2
636	MISSOURI	2,203	26	2700	3
360	WASHINGTON	2,630	25	2711	4
575	NEW MEXICO	1,822	26	2715	1
831	CALIFORNIA	2,202	25	2728	4
574	INDIANA	1,828	25	2743	4
870	ARKANSAS	5,293	20	2751	2
269	MICHIGAN	1,592	25	2752	2
540	VIRGINIA	5,048	20	2764	3
813	FLORIDA	1,221	25	2767	1
253	WASHINGTON	825	25	2783	1
209	CALIFORNIA	4,449	20	2794	3
920	WISCONSIN	3,590	20	2836	3
440	OHIO	2,150	20	2908	3
906	MICHIGAN	1,707	20	2931	3

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
303	COLORADO	3,398	16	3054	3
609	NEW JERSEY	8,362	11	3074	1
828	NORTH CAROLINA	3,881	15	3091	3
775	NEVADA	2,262	16	3125	3
970	COLORADO	3,016	15	3148	2
254	TEXAS	7,537	10	3262	2
678	GEORGIA	6,303	10	3386	3
313	MICHIGAN	696	12	3625	3
931	TENNESSEE	3,639	10	3652	1
608	WISCONSIN	3,197	10	3696	2
925	CALIFORNIA	2,559	10	3760	1
607	NEW YORK	2,466	10	3769	2
507	MINNESOTA	2,305	10	3786	3
662	MISSISSIPPI	10,547	5	3907	3
760	CALIFORNIA	4,773	6	4554	4
315	NEW YORK	6,906	5	4635	4
229	GEORGIA	3,249	5	5366	1
716	NEW YORK	1,742	5	5668	3
484	PENNSYLVANIA	100	5	5996	1
202	DISTRICT OF COLUMBIA	459	0	N/A	N/A
203	CONNECTICUT	6,530	0	N/A	N/A
205	ALABAMA	5,194	0	N/A	N/A
206	WASHINGTON	1,247	0	N/A	N/A
212	NEW YORK	2,911	0	N/A	N/A
213	CALIFORNIA	2,731	0	N/A	N/A
215	PENNSYLVANIA	1,240	0	N/A	N/A
216	OHIO	1,170	0	N/A	N/A
218	MINNESOTA	2,895	0	N/A	N/A
219	INDIANA	2,588	0	N/A	N/A
220	OHIO	50	0	N/A	N/A
223	PENNSYLVANIA	50	0	N/A	N/A
227	MARYLAND	50	0	N/A	N/A
228	MISSISSIPPI	2,062	0	N/A	N/A
234	OHIO	305	0	N/A	N/A
239	FLORIDA	1,211	0	N/A	N/A
240	MARYLAND	521	0	N/A	N/A
251	ALABAMA	1,466	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
252	NORTH CAROLINA	4,590	0	N/A	N/A
256	ALABAMA	3,350	0	N/A	N/A
260	INDIANA	1,429	0	N/A	N/A
262	WISCONSIN	315	0	N/A	N/A
267	PENNSYLVANIA	50	0	N/A	N/A
272	PENNSYLVANIA	145	0	N/A	N/A
274	WISCONSIN	50	0	N/A	N/A
276	VIRGINIA	2,035	0	N/A	N/A
279	CALIFORNIA	50	0	N/A	N/A
281	TEXAS	10,671	0	N/A	N/A
283	OHIO	50	0	N/A	N/A
305	FLORIDA	1,992	0	N/A	N/A
307	WYOMING	3,488	0	N/A	N/A
309	ILLINOIS	4,104	0	N/A	N/A
312	ILLINOIS	3,910	0	N/A	N/A
314	MISSOURI	9,594	0	N/A	N/A
317	INDIANA	3,380	0	N/A	N/A
319	IOWA	1,361	0	N/A	N/A
320	MINNESOTA	959	0	N/A	N/A
321	FLORIDA	1,988	0	N/A	N/A
323	CALIFORNIA	3,004	0	N/A	N/A
326	OHIO	50	0	N/A	N/A
329	NEW YORK	50	0	N/A	N/A
331	ILLINOIS	75	0	N/A	N/A
332	NEW YORK	50	0	N/A	N/A
334	ALABAMA	4,786	0	N/A	N/A
339	MASSACHUSETTS	50	0	N/A	N/A
340	VIRGIN ISLANDS	664	0	N/A	N/A
341	CALIFORNIA	50	0	N/A	N/A
346	TEXAS	50	0	N/A	N/A
347	NEW YORK	50	0	N/A	N/A
350	CALIFORNIA	50	0	N/A	N/A
351	MASSACHUSETTS	60	0	N/A	N/A
353	WISCONSIN	50	0	N/A	N/A
363	NEW YORK	50	0	N/A	N/A
364	KENTUCKY	110	0	N/A	N/A
369	CALIFORNIA	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
380	OHIO	50	0	N/A	N/A
385	UTAH	50	0	N/A	N/A
386	FLORIDA	1,810	0	N/A	N/A
401	RHODE ISLAND	460	0	N/A	N/A
402	NEBRASKA	8,522	0	N/A	N/A
404	GEORGIA	2,009	0	N/A	N/A
407	FLORIDA	1,868	0	N/A	N/A
412	PENNSYLVANIA	513	0	N/A	N/A
413	MASSACHUSETTS	3,641	0	N/A	N/A
415	CALIFORNIA	1,179	0	N/A	N/A
424	CALIFORNIA	50	0	N/A	N/A
425	WASHINGTON	771	0	N/A	N/A
434	VIRGINIA	2,409	0	N/A	N/A
435	UTAH	2,345	0	N/A	N/A
442	CALIFORNIA	90	0	N/A	N/A
443	MARYLAND	100	0	N/A	N/A
445	PENNSYLVANIA	50	0	N/A	N/A
447	ILLINOIS	50	0	N/A	N/A
448	FLORIDA	50	0	N/A	N/A
458	OREGON	50	0	N/A	N/A
463	INDIANA	50	0	N/A	N/A
469	TEXAS	3,107	0	N/A	N/A
470	GEORGIA	173	0	N/A	N/A
472	NORTH CAROLINA	50	0	N/A	N/A
475	CONNECTICUT	1,745	0	N/A	N/A
479	ARKANSAS	3,258	0	N/A	N/A
480	ARIZONA	520	0	N/A	N/A
503	OREGON	2,850	0	N/A	N/A
504	LOUISIANA	1,001	0	N/A	N/A
508	MASSACHUSETTS	6,891	0	N/A	N/A
509	WASHINGTON	3,103	0	N/A	N/A
510	CALIFORNIA	2,401	0	N/A	N/A
513	OHIO	3,307	0	N/A	N/A
515	IOWA	6,908	0	N/A	N/A
517	MICHIGAN	371	0	N/A	N/A
531	NEBRASKA	50	0	N/A	N/A
534	WISCONSIN	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
539	OKLAHOMA	50	0	N/A	N/A
551	NEW JERSEY	120	0	N/A	N/A
557	MISSOURI	50	0	N/A	N/A
559	CALIFORNIA	3,714	0	N/A	N/A
561	FLORIDA	2,887	0	N/A	N/A
562	CALIFORNIA	2,332	0	N/A	N/A
563	IOWA	1,087	0	N/A	N/A
564	WASHINGTON	50	0	N/A	N/A
567	OHIO	299	0	N/A	N/A
571	VIRGINIA	50	0	N/A	N/A
572	OKLAHOMA	50	0	N/A	N/A
582	PENNSYLVANIA	50	0	N/A	N/A
585	NEW YORK	1,338	0	N/A	N/A
601	MISSISSIPPI	3,969	0	N/A	N/A
603	NEW HAMPSHIRE	813	0	N/A	N/A
610	PENNSYLVANIA	1,976	0	N/A	N/A
612	MINNESOTA	2,550	0	N/A	N/A
614	OHIO	1,837	0	N/A	N/A
617	MASSACHUSETTS	1,083	0	N/A	N/A
619	CALIFORNIA	1,969	0	N/A	N/A
623	ARIZONA	136	0	N/A	N/A
624	NEW YORK	50	0	N/A	N/A
626	CALIFORNIA	2,671	0	N/A	N/A
628	CALIFORNIA	60	0	N/A	N/A
629	TENNESSEE	50	0	N/A	N/A
631	NEW YORK	1,317	0	N/A	N/A
640	NEW JERSEY	50	0	N/A	N/A
641	IOWA	2,003	0	N/A	N/A
645	FLORIDA	50	0	N/A	N/A
646	NEW YORK	50	0	N/A	N/A
651	MINNESOTA	408	0	N/A	N/A
656	FLORIDA	50	0	N/A	N/A
657	CALIFORNIA	60	0	N/A	N/A
659	ALABAMA	50	0	N/A	N/A
661	CALIFORNIA	2,093	0	N/A	N/A
667	MARYLAND	85	0	N/A	N/A
669	CALIFORNIA	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
680	NEW YORK	50	0	N/A	N/A
681	WEST VIRGINIA	195	0	N/A	N/A
682	TEXAS	6,909	0	N/A	N/A
689	FLORIDA	50	0	N/A	N/A
701	NORTH DAKOTA	1,910	0	N/A	N/A
702	NEVADA	1,085	0	N/A	N/A
703	VIRGINIA	1,418	0	N/A	N/A
704	NORTH CAROLINA	2,323	0	N/A	N/A
712	IOWA	1,684	0	N/A	N/A
713	TEXAS	2,097	0	N/A	N/A
714	CALIFORNIA	3,269	0	N/A	N/A
718	NEW YORK	205	0	N/A	N/A
720	COLORADO	390	0	N/A	N/A
724	PENNSYLVANIA	2,204	0	N/A	N/A
725	NEVADA	50	0	N/A	N/A
726	TEXAS	50	0	N/A	N/A
727	FLORIDA	848	0	N/A	N/A
728	FLORIDA	50	0	N/A	N/A
730	ILLINOIS	50	0	N/A	N/A
737	TEXAS	50	0	N/A	N/A
740	OHIO	5,630	0	N/A	N/A
743	NORTH CAROLINA	50	0	N/A	N/A
747	CALIFORNIA	50	0	N/A	N/A
754	FLORIDA	123	0	N/A	N/A
762	GEORGIA	50	0	N/A	N/A
763	MINNESOTA	806	0	N/A	N/A
765	INDIANA	7,113	0	N/A	N/A
769	MISSISSIPPI	1,122	0	N/A	N/A
770	GEORGIA	2,114	0	N/A	N/A
771	DISTRICT OF COLUMBIA	50	0	N/A	N/A
772	FLORIDA	760	0	N/A	N/A
773	ILLINOIS	50	0	N/A	N/A
774	MASSACHUSETTS	745	0	N/A	N/A
779	ILLINOIS	140	0	N/A	N/A
781	MASSACHUSETTS	2,711	0	N/A	N/A
786	FLORIDA	202	0	N/A	N/A
801	UTAH	2,809	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
803	SOUTH CAROLINA	3,815	0	N/A	N/A
810	MICHIGAN	475	0	N/A	N/A
814	PENNSYLVANIA	3,013	0	N/A	N/A
818	CALIFORNIA	921	0	N/A	N/A
820	CALIFORNIA	50	0	N/A	N/A
826	VIRGINIA	50	0	N/A	N/A
835	PENNSYLVANIA	50	0	N/A	N/A
838	NEW YORK	50	0	N/A	N/A
839	SOUTH CAROLINA	50	0	N/A	N/A
840	CALIFORNIA	50	0	N/A	N/A
845	NEW YORK	2,738	0	N/A	N/A
848	NEW JERSEY	55	0	N/A	N/A
854	SOUTH CAROLINA	50	0	N/A	N/A
856	NEW JERSEY	4,757	0	N/A	N/A
857	MASSACHUSETTS	50	0	N/A	N/A
858	CALIFORNIA	3,028	0	N/A	N/A
861	ILLINOIS	50	0	N/A	N/A
862	NEW JERSEY	330	0	N/A	N/A
863	FLORIDA	1,267	0	N/A	N/A
872	ILLINOIS	50	0	N/A	N/A
878	PENNSYLVANIA	50	0	N/A	N/A
901	TENNESSEE	1,835	0	N/A	N/A
909	CALIFORNIA	3,547	0	N/A	N/A
914	NEW YORK	1,989	0	N/A	N/A
915	TEXAS	1,013	0	N/A	N/A
917	NEW YORK	50	0	N/A	N/A
918	OKLAHOMA	7,445	0	N/A	N/A
919	NORTH CAROLINA	2,656	0	N/A	N/A
929	NEW YORK	50	0	N/A	N/A
930	INDIANA	50	0	N/A	N/A
934	NEW YORK	50	0	N/A	N/A
936	TEXAS	290	0	N/A	N/A
937	OHIO	3,912	0	N/A	N/A
938	ALABAMA	50	0	N/A	N/A
939	PUERTO RICO	50	0	N/A	N/A
941	FLORIDA	951	0	N/A	N/A
943	GEORGIA	50	0	N/A	N/A

NPA	STATE	TOTAL P-ANI	FORECASTED P-ANI	EXHAUST YEAR	EXHAUST QTR.
947	MICHIGAN	1,627	0	N/A	N/A
948	VIRGINIA	50	0	N/A	N/A
949	CALIFORNIA	1,131	0	N/A	N/A
951	CALIFORNIA	2,314	0	N/A	N/A
952	MINNESOTA	355	0	N/A	N/A
954	FLORIDA	2,153	0	N/A	N/A
956	TEXAS	6,616	0	N/A	N/A
959	CONNECTICUT	50	0	N/A	N/A
971	OREGON	111	0	N/A	N/A
972	TEXAS	4,271	0	N/A	N/A
975	MISSOURI	50	0	N/A	N/A
978	MASSACHUSETTS	3,714	0	N/A	N/A
979	TEXAS	2,881	0	N/A	N/A
980	NORTH CAROLINA	370	0	N/A	N/A
983	COLORADO	50	0	N/A	N/A
984	NORTH CAROLINA	60	0	N/A	N/A
986	IDAHO	50	0	N/A	N/A

ATTACHMENT 7 2023 NPA EXHAUST PROJECTIONS

NANPA projects NPA exhaust on a semi-annual basis in April and October of each calendar year. Tables A7-1 through A7-3 below show the exhaust projections for each location and NPA, based on the analysis performed in April 2023 (2023.1) and October 2023 (2023.2)²⁸. 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 projected.

The Notes/Comments in the column on the far right are defined as follows:

- 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 provides only one projection per year. Change is from last forecast provided.
- d. Canadian NPA. With an exhaust date beyond 2043, there is generally no exhaust date provided.
- e. NPA is at exhaust. No codes available except for returns.
- f. New NPA added. The exhaust date moved out due to a new area code implemented.
- g. Area Code 321A includes only Brevard County Florida; 321/407/689 includes the Counties around Orlando in Central Florida.
- h. NPA's 480, 602 and 623 in Arizona received a boundary elimination on 09/12/2023. NPA's 602 and 623 will remain on this list until 2025-2 for historical purposes only.
- i. Delta NRUF issued between publication of NRUF and NPA Exhaust Analysis.

Table A7-1
Projected Exhaust Dates by NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
NEW JERSEY	201/551	2043	4Q	2042	1Q	7Q	a
DISTRICT OF COLUMBIA	202/771	2051	3Q	2058	1Q	-26Q	b
CONNECTICUT	203/475	2047	3Q	2043	4Q	15Q	a
CANADA	204/431/584	2032	4Q	2032	4Q	N/C	c
ALABAMA	205/659	2044	4Q	2043	2Q	6Q	a
WASHINGTON	206	2026	1Q	2025	4Q	1Q	a
MAINE	207	2032	4Q	2029	2Q	14Q	a
IDAHO	208/986	2039	2Q	2039	4Q	-2Q	b

²⁸ The full NRUF Exhaust Report detailing three full years of projected forecasts can be found on the NANPA website at https://www.nationalnanpa.com/reports/reports_npa.html.

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
CALIFORNIA	209/350	2052	3Q	2047	3Q	20Q	a
TEXAS	210/726	2050	4Q	2054	4Q	-16Q	b
NEW YORK	212/332/646	2050	1Q	2047	3Q	10Q	a
CALIFORNIA	213/323	2026	2Q	2025	2Q	4Q	a
TEXAS	214/469/945/972	2033	2Q	2031	4Q	6Q	a
PENNSYLVANIA	215/267/445	2042	3Q	2040	4Q	7Q	a
OHIO	216	2042	1Q	2039	4Q	9Q	a
ILLINOIS	217/447	2039	4Q	2039	2Q	2Q	a
MINNESOTA	218	2028	2Q	2028	4Q	-2Q	b
INDIANA	219	2048	1Q	2048	2Q	-1Q	b
OHIO	220/740	2049	4Q	2050	3Q	-3Q	b
PENNSYLVANIA	223/717	2040	2Q	2038	2Q	8Q	a
ILLINOIS	224/847	2033	1Q	2031	2Q	7Q	a
LOUISIANA	225	2039	2Q	2038	1Q	5Q	a
CANADA	226/382/519/548	2030	2Q	2030	2Q	N/C	c
MARYLAND	227/240/301	2042	2Q	2023	2Q	76Q	f
MISSISSIPPI	228	2095	3Q	2105	1Q	-38Q	b
GEORGIA	229	2030	2Q	2031	2Q	-4Q	b
MICHIGAN	231	2035	2Q	2034	2Q	4Q	a
OHIO	234/330	2039	1Q	2037	4Q	5Q	a
CANADA	236/250/604/672/778	2030	3Q	2030	3Q	N/C	c
FLORIDA	239	2035	2Q	2036	1Q	-3Q	b
MICHIGAN	248/947	2051	4Q	2050	2Q	6Q	a
CANADA	249/683/705	2040	4Q	2040	4Q	N/C	c
ALABAMA	251	2035	4Q	2033	4Q	8Q	a
NORTH CAROLINA	252	2030	1Q	2031	1Q	-4Q	b
WASHINGTON	253	2052	3Q	2051	1Q	6Q	a
TEXAS	254	2030	4Q	2030	4Q	N/C	
ALABAMA	256/938	2043	3Q	2044	2Q	-3Q	b
INDIANA	260	2045	3Q	2043	3Q	8Q	a
WISCONSIN	262	2036	1Q	2034	1Q	8Q	a
CANADA	263/438/514	2033	3Q	2033	3Q	N/C	c
MICHIGAN	269	2037	1Q	2036	1Q	4Q	a
KENTUCKY	270/364	2070	4Q	2072	1Q	-5Q	b
PENNSYLVANIA	272/570	2037	4Q	2037	4Q	N/C	
WISCONSIN	274/920	2069	1Q	2024	4Q	177Q	f
VIRGINIA	276	2045	3Q	2047	3Q	-8Q	b
CALIFORNIA	279/916	2051	4Q	2047	1Q	19Q	a
TEXAS	281/346/713/832	2025	3Q	2025	3Q	N/C	

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
OHIO	283/513	2059	4Q	2080	1Q	-81Q	b
CANADA	289/365/742/905	2036	3Q	2036	3Q	N/C	c
DELAWARE	302	2038	3Q	2034	2Q	17Q	a
COLORADO	303/720/983	2052	2Q	2048	1Q	17Q	a
WEST VIRGINIA	304/681	2032	1Q	2032	1Q	N/C	
FLORIDA	305/645/786	2040	2Q	2023	4Q	66Q	f
CANADA	306/474/639	2032	3Q	2032	3Q	N/C	c
WYOMING	307	2044	3Q	2046	4Q	-9Q	b
NEBRASKA	308	2036	3Q	2034	3Q	8Q	a
ILLINOIS	309/861	2067	3Q	2065	1Q	10Q	a
CALIFORNIA	310/424	2039	2Q	2037	4Q	6Q	a
ILLINOIS	312/773/872	2041	4Q	2042	1Q	-1Q	b
MICHIGAN	313	2027	2Q	2026	2Q	4Q	a
MISSOURI	314/557	2054	2Q	2057	1Q	-11Q	b
NEW YORK	315/680	2041	3Q	2040	4Q	3Q	a
KANSAS	316	2072	4Q	2076	3Q	-15Q	b
INDIANA	317/463	2049	2Q	2048	2Q	4Q	a
LOUISIANA	318	2026	1Q	2026	1Q	N/C	
IOWA	319	2035	4Q	2037	2Q	-6Q	b
MINNESOTA	320	2044	1Q	2043	4Q	1Q	a
FLORIDA	321/407/689	2040	3Q	2040	3Q	N/C	
FLORIDA	321A	2040	2Q	2039	3Q	3Q	a,g
TEXAS	325	2052	3Q	2057	1Q	-18Q	b
OHIO	326/937	2059	3Q	2057	3Q	8Q	a
NEW YORK	329/845	2050	1Q	2059	4Q	-39Q	b
ILLINOIS	331/630	2059	1Q	2055	2Q	15Q	a
ALABAMA	334	2026	3Q	2026	3Q	N/C	
NORTH CAROLINA	336/743	2045	1Q	2043	4Q	5Q	a
LOUISIANA	337	2038	3Q	2037	4Q	3Q	a
MASSACHUSETTS	339/781	2096	3Q	2095	2Q	5Q	a
VIRGIN ISLANDS	340	2085	1Q	2089	1Q	-16Q	b
CALIFORNIA	341/510	2057	4Q	2056	1Q	7Q	a
CANADA	343/613/753	2039	1Q	2039	1Q	N/C	c
NEW YORK	347/718/929	2027	1Q	2027	2Q	-1Q	b
MASSACHUSETTS	351/978	2070	1Q	2066	1Q	16Q	a
FLORIDA	352	2027	3Q	2027	4Q	-1Q	b
WISCONSIN	353/608	2055	2Q	2024	3Q	123Q	f
CANADA	354/450/579	2037	1Q	2037	1Q	N/C	c
WASHINGTON	360/564	2059	1Q	2058	2Q	3Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
TEXAS	361	2048	1Q	2044	4Q	13Q	a
NEW YORK	363/516	2064	2Q	2067	4Q	-14Q	b
CANADA	368/403/587/780/825	2037	3Q	2037	3Q	N/C	c
CALIFORNIA	369/707	2070	4Q	2076	3Q	-23Q	b
OHIO	380/614	2060	3Q	2062	3Q	-8Q	b
UTAH	385/801	2031	1Q	2032	1Q	-4Q	b
FLORIDA	386	2044	2Q	2043	3Q	3Q	a
RHODE ISLAND	401	2056	1Q	2057	3Q	-6Q	b
NEBRASKA	402/531	2043	4Q	2044	4Q	-4Q	b
GEORGIA	404/470/678/770/943	2031	4Q	2030	3Q	5Q	a
OKLAHOMA	405/572	2052	3Q	2053	3Q	-4Q	b
MONTANA	406	2031	2Q	2032	3Q	-5Q	b
CALIFORNIA	408/669	2053	2Q	2048	3Q	19Q	a
TEXAS	409	2047	2Q	2047	3Q	-1Q	b
MARYLAND	410/443/667	2031	4Q	2031	3Q	1Q	a
PENNSYLVANIA	412/724/878	2042	1Q	2041	2Q	3Q	a
MASSACHUSETTS	413	2034	4Q	2032	4Q	8Q	a
WISCONSIN	414	2059	2Q	2051	1Q	33Q	a
CALIFORNIA	415/628	2071	4Q	2064	1Q	31Q	a
CANADA	416/437/647	2041	4Q	2041	4Q	N/C	c
MISSOURI	417	2031	3Q	2030	2Q	5Q	a
CANADA	418/581/367	2035	2Q	2035	2Q	N/C	c
OHIO	419/567	2038	2Q	2038	3Q	-1Q	b
TENNESSEE	423	2025	3Q	2025	3Q	N/C	
WASHINGTON	425	2035	1Q	2033	3Q	6Q	a
CANADA	428/506	2024	3Q	2024	3Q	N/C	c
TEXAS	430/903	2040	1Q	2039	3Q	2Q	a
TEXAS	432	2072	1Q	2070	1Q	8Q	a
VIRGINIA	434	2039	4Q	2038	2Q	6Q	a
UTAH	435	2044	1Q	2043	3Q	2Q	a
OHIO	440	2026	2Q	2025	2Q	4Q	a
CALIFORNIA	442/760	2036	3Q	2036	1Q	2Q	a
FLORIDA	448/850	2048	1Q	2052	4Q	-19Q	b
OREGON	458/541	2045	3Q	2044	4Q	3Q	a
ILLINOIS	464/708	2057	1Q	2060	3Q	-14Q	b
CANADA	468/819/873	2043	1Q	2043	1Q	N/C	c
NORTH CAROLINA	472/910	2051	1Q	2055	2Q	-17Q	b
GEORGIA	478	2046	4Q	2048	2Q	-6Q	b
ARKANSAS	479	2037	2Q	2039	1Q	-7Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
ARIZONA	480/602/623	2034	4Q	2023	4Q	44Q	h
PENNSYLVANIA	484/610/835	2055	3Q	2056	4Q	-5Q	b
ARKANSAS	501	2035	1Q	2032	3Q	10Q	a
KENTUCKY	502	2028	4Q	2028	4Q	N/C	
OREGON	503/971	2039	3Q	2038	2Q	5Q	a
LOUISIANA	504	2061	4Q	2058	2Q	14Q	a
NEW MEXICO	505	2029	2Q	2028	4Q	2Q	a
MINNESOTA	507	2025	1Q	2025	1Q	N/C	
MASSACHUSETTS	508/774	2036	4Q	2033	1Q	15Q	a
WASHINGTON	509	2027	2Q	2026	4Q	2Q	a
TEXAS	512/737	2038	3Q	2035	3Q	12Q	a
IOWA	515	2039	1Q	2037	3Q	6Q	a
MICHIGAN	517	2037	3Q	2037	4Q	-1Q	b
NEW YORK	518/838	2043	2Q	2041	3Q	7Q	a
ARIZONA	520	2027	4Q	2028	1Q	-1Q	b
CALIFORNIA	530	2025	3Q	2025	3Q	N/C	
WISCONSIN	534/715	2059	4Q	2061	3Q	-7Q	b
OKLAHOMA	539/918	2047	1Q	2042	4Q	17Q	a
VIRGINIA	540/826	2046	2Q	2045	1Q	5Q	a
CALIFORNIA	559	2025	3Q	2025	3Q	N/C	
FLORIDA	561/728	2047	3Q	2047	4Q	-1Q	b
CALIFORNIA	562	2030	2Q	2030	2Q	N/C	
IOWA	563	2054	3Q	2049	4Q	19Q	a
VIRGINIA	571/703	2031	2Q	2031	1Q	1Q	a
MISSOURI	573	2024	1Q	2024	3Q	-2Q	b
INDIANA	574	2062	2Q	2059	2Q	12Q	a
NEW MEXICO	575	2041	1Q	2038	3Q	10Q	a
OKLAHOMA	580	2028	4Q	2028	2Q	2Q	a
PENNSYLVANIA	582/814	2042	1Q	2044	2Q	-9Q	b
NEW YORK	585	2029	3Q	2028	4Q	3Q	a
MICHIGAN	586	2053	4Q	2056	1Q	-9Q	b
MISSISSIPPI	601/769	2041	1Q	2041	1Q	N/C	
ARIZONA	602			2025	4Q		h
NEW HAMPSHIRE	603	2027	2Q	2028	1Q	-3Q	b
SOUTH DAKOTA	605	2027	2Q	2026	3Q	3Q	a, i
KENTUCKY	606	2036	4Q	2036	4Q	N/C	
NEW YORK	607	2036	3Q	2040	1Q	-14Q	b
NEW JERSEY	609/640	2056	2Q	2052	3Q	15Q	a
MINNESOTA	612	2041	3Q	2037	1Q	18Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
TENNESSEE	615/629	2045	3Q	2045	3Q	N/C	
MICHIGAN	616	2046	3Q	2045	1Q	6Q	a
MASSACHUSETTS	617/857	2050	4Q	2045	3Q	21Q	a
ILLINOIS	618/730	2050	4Q	2024	2Q	106Q	f
CALIFORNIA	619/858	2032	3Q	2030	4Q	7Q	a
KANSAS	620	2028	2Q	2027	2Q	4Q	a
ARIZONA	623			2061	2Q		h
CALIFORNIA	626	2028	4Q	2028	1Q	3Q	a
NEW YORK	631/934	2053	2Q	2049	4Q	14Q	a
MISSOURI	636	2071	1Q	2064	1Q	28Q	a
IOWA	641	2043	2Q	2039	3Q	15Q	a
CALIFORNIA	650	2030	1Q	2029	1Q	4Q	a
MINNESOTA	651	2067	3Q	2062	2Q	21Q	a
FLORIDA	656/813	2052	2Q	2052	1Q	1Q	a
CALIFORNIA	657/714	2027	1Q	2026	3Q	2Q	a, i
MISSOURI	660	2057	1Q	2048	3Q	34Q	a
CALIFORNIA	661	2031	2Q	2031	3Q	-1Q	b
MISSISSIPPI	662	2026	3Q	2027	1Q	-2Q	b, i
CNMI	670	2110	1Q	2110	1Q	N/C	
GUAM	671	2148	3Q	2149	1Q	-2Q	b
TEXAS	682/817	2038	3Q	2036	2Q	9Q	a
AMERICAN SAMOA	684	2180	1Q	2180	1Q	N/C	
NORTH DAKOTA	701	2032	4Q	2033	1Q	-1Q	b
NEVADA	702/725	2044	1Q	2042	4Q	5Q	a
NORTH CAROLINA	704/980	2034	1Q	2034	2Q	-1Q	b
GEORGIA	706/762	2035	1Q	2034	2Q	3Q	a
CANADA	709/879	2024	4Q	2024	4Q	N/C	c
IOWA	712	2032	3Q	2033	1Q	-2Q	b
NEW YORK	716	2025	3Q	2025	2Q	1Q	a
COLORADO	719	2028	2Q	2029	3Q	-5Q	b
FLORIDA	727	2032	2Q	2030	4Q	6Q	a
TENNESSEE	731	2072	1Q	2086	2Q	-57Q	b
NEW JERSEY	732/848	2046	3Q	2043	1Q	14Q	a
MICHIGAN	734	2029	2Q	2028	3Q	3Q	a
CALIFORNIA	747/818	2048	3Q	2045	1Q	14Q	a
FLORIDA	754/954	2045	3Q	2043	3Q	8Q	a
VIRGINIA	757/948	2055	4Q	2054	1Q	7Q	a
MINNESOTA	763	2080	1Q	2075	1Q	20Q	a
INDIANA	765	2027	4Q	2027	1Q	3Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
FLORIDA	772	2064	1Q	2060	1Q	16Q	a
NEVADA	775	2038	2Q	2036	3Q	7Q	a
ILLINOIS	779/815	2037	2Q	2036	3Q	3Q	a
CANADA	782/902	2040	4Q	2040	4Q	N/C	c
KANSAS	785	2029	2Q	2029	2Q	N/C	
PUERTO RICO	787/939	2044	1Q	2043	3Q	2Q	a
VERMONT	802	2044	4Q	2042	1Q	11Q	a
SOUTH CAROLINA	803/839	2042	4Q	2047	1Q	-17Q	b
VIRGINIA	804	2025	3Q	2024	3Q	4Q	a
CALIFORNIA	805/820	2062	1Q	2062	2Q	-1Q	b
TEXAS	806	2028	4Q	2028	4Q	N/C	
CANADA	807	2040	3Q	2040	3Q	N/C	c
HAWAII	808	2035	4Q	2033	4Q	8Q	a
MICHIGAN	810	2048	4Q	2049	1Q	-1Q	b
INDIANA	812/930	2047	1Q	2045	2Q	7Q	a
MISSOURI	816/975	2075	3Q	2025	1Q	202Q	f
NORTH CAROLINA	828	2028	2Q	2030	1Q	-7Q	b
TEXAS	830	2041	2Q	2039	2Q	8Q	a
CALIFORNIA	831	2076	2Q	2068	3Q	31Q	a
CALIFORNIA	840/909	2051	2Q	2049	1Q	9Q	a
SOUTH CAROLINA	843/854	2046	4Q	2053	2Q	-26Q	b
NEW JERSEY	856	2032	4Q	2031	3Q	5Q	a
KENTUCKY	859	2047	4Q	2047	2Q	2Q	a
CONNECTICUT	860/959	2050	2Q	2047	3Q	11Q	a
NEW JERSEY	862/973	2040	1Q	2038	1Q	8Q	a
FLORIDA	863	2046	2Q	2045	1Q	-3Q	b
SOUTH CAROLINA	864	2024	3Q	2025	1Q	-2Q	b
TENNESSEE	865	2046	1Q	2044	3Q	6Q	a
CANADA	867	2043	1Q	2043	1Q	N/C	c
ARKANSAS	870	2024	2Q	2024	2Q	N/C	
TENNESSEE	901	2035	2Q	2033	1Q	9Q	a
FLORIDA	904	2024	4Q	2024	3Q	1Q	a
MICHIGAN	906	2096	3Q	2095	1Q	6Q	a
ALASKA	907	2039	1Q	2039	3Q	-2Q	b
NEW JERSEY	908	2028	4Q	2029	1Q	-1Q	b
GEORGIA	912	2028	1Q	2028	2Q	-1Q	b
KANSAS	913	2047	4Q	2047	4Q	N/C	
NEW YORK	914	2029	3Q	2029	2Q	1Q	a
TEXAS	915	2056	3Q	2052	3Q	16Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
NEW YORK	917						e
NORTH CAROLINA	919/984	2042	4Q	2044	2Q	-6Q	b
CALIFORNIA	925	2041	4Q	2038	3Q	13Q	a
ARIZONA	928	2031	3Q	2030	1Q	6Q	a
TENNESSEE	931	2042	1Q	2046	1Q	-16Q	b
TEXAS	936	2053	4Q	2048	2Q	22Q	a
TEXAS	940	2043	2Q	2042	2Q	4Q	a
FLORIDA	941	2043	3Q	2041	4Q	7Q	a
CALIFORNIA	949	2027	2Q	2027	1Q	1Q	a
CALIFORNIA	951	2030	1Q	2030	3Q	-2Q	b
MINNESOTA	952	2148	4Q	2119	1Q	119Q	a
TEXAS	956	2028	2Q	2027	4Q	2Q	a
COLORADO	970	2026	1Q	2026	1Q	N/C	
TEXAS	979	2060	4Q	2062	1Q	-5Q	b
LOUISIANA	985	2057	2Q	2053	1Q	17Q	a
MICHIGAN	989	2027	4Q	2027	4Q	N/C	

Table A7-2
Projected Exhaust Dates by Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
MISSOURI	573	2024	1Q	2024	3Q	-2Q	b
ARKANSAS	870	2024	2Q	2024	2Q	N/C	
CANADA	428/506	2024	3Q	2024	3Q	N/C	c
SOUTH CAROLINA	864	2024	3Q	2025	1Q	-2Q	b
CANADA	709/879	2024	4Q	2024	4Q	N/C	c
FLORIDA	904	2024	4Q	2024	3Q	1Q	a
MINNESOTA	507	2025	1Q	2025	1Q	N/C	
TEXAS	281/346/713/832	2025	3Q	2025	3Q	N/C	
TENNESSEE	423	2025	3Q	2025	3Q	N/C	
CALIFORNIA	530	2025	3Q	2025	3Q	N/C	
CALIFORNIA	559	2025	3Q	2025	3Q	N/C	
NEW YORK	716	2025	3Q	2025	2Q	1Q	a
VIRGINIA	804	2025	3Q	2024	3Q	4Q	a
WASHINGTON	206	2026	1Q	2025	4Q	1Q	a
LOUISIANA	318	2026	1Q	2026	1Q	N/C	
COLORADO	970	2026	1Q	2026	1Q	N/C	

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
CALIFORNIA	213/323	2026	2Q	2025	2Q	4Q	a
OHIO	440	2026	2Q	2025	2Q	4Q	a
ALABAMA	334	2026	3Q	2026	3Q	N/C	
MISSISSIPPI	662	2026	3Q	2027	1Q	-2Q	b, i
NEW YORK	347/718/929	2027	1Q	2027	2Q	-1Q	b
CALIFORNIA	657/714	2027	1Q	2026	3Q	2Q	a, i
MICHIGAN	313	2027	2Q	2026	2Q	4Q	a
WASHINGTON	509	2027	2Q	2026	4Q	2Q	a
NEW HAMPSHIRE	603	2027	2Q	2028	1Q	-3Q	b
SOUTH DAKOTA	605	2027	2Q	2026	3Q	3Q	a, i
CALIFORNIA	949	2027	2Q	2027	1Q	1Q	a
FLORIDA	352	2027	3Q	2027	4Q	-1Q	b
ARIZONA	520	2027	4Q	2028	1Q	-1Q	b
INDIANA	765	2027	4Q	2027	1Q	3Q	a
MICHIGAN	989	2027	4Q	2027	4Q	N/C	
GEORGIA	912	2028	1Q	2028	2Q	-1Q	b
MINNESOTA	218	2028	2Q	2028	4Q	-2Q	b
KANSAS	620	2028	2Q	2027	2Q	4Q	a
COLORADO	719	2028	2Q	2029	3Q	-5Q	b
NORTH CAROLINA	828	2028	2Q	2030	1Q	-7Q	b
TEXAS	956	2028	2Q	2027	4Q	2Q	a
KENTUCKY	502	2028	4Q	2028	4Q	N/C	
OKLAHOMA	580	2028	4Q	2028	2Q	2Q	a
CALIFORNIA	626	2028	4Q	2028	1Q	3Q	a
TEXAS	806	2028	4Q	2028	4Q	N/C	
NEW JERSEY	908	2028	4Q	2029	1Q	-1Q	b
NEW MEXICO	505	2029	2Q	2028	4Q	2Q	a
MICHIGAN	734	2029	2Q	2028	3Q	3Q	a
KANSAS	785	2029	2Q	2029	2Q	N/C	
NEW YORK	585	2029	3Q	2028	4Q	3Q	a
NEW YORK	914	2029	3Q	2029	2Q	1Q	a
NORTH CAROLINA	252	2030	1Q	2031	1Q	-4Q	b
CALIFORNIA	650	2030	1Q	2029	1Q	4Q	a
CALIFORNIA	951	2030	1Q	2030	3Q	-2Q	b
CANADA	226/382/519/548	2030	2Q	2030	2Q	N/C	c
GEORGIA	229	2030	2Q	2031	2Q	-4Q	b
CALIFORNIA	562	2030	2Q	2030	2Q	N/C	
CANADA	236/250/604/672/778	2030	3Q	2030	3Q	N/C	c
TEXAS	254	2030	4Q	2030	4Q	N/C	

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
UTAH	385/801	2031	1Q	2032	1Q	-4Q	b
MONTANA	406	2031	2Q	2032	3Q	-5Q	b
VIRGINIA	571/703	2031	2Q	2031	1Q	1Q	a
CALIFORNIA	661	2031	2Q	2031	3Q	-1Q	b
MISSOURI	417	2031	3Q	2030	2Q	5Q	a
ARIZONA	928	2031	3Q	2030	1Q	6Q	a
GEORGIA	404/470/678/770/943	2031	4Q	2030	3Q	5Q	a
MARYLAND	410/443/667	2031	4Q	2031	3Q	1Q	a
WEST VIRGINIA	304/681	2032	1Q	2032	1Q	N/C	
FLORIDA	727	2032	2Q	2030	4Q	6Q	a
CANADA	306/474/639	2032	3Q	2032	3Q	N/C	c
CALIFORNIA	619/858	2032	3Q	2030	4Q	7Q	a
IOWA	712	2032	3Q	2033	1Q	-2Q	b
CANADA	204/431/584	2032	4Q	2032	4Q	N/C	c
MAINE	207	2032	4Q	2029	2Q	14Q	a
NORTH DAKOTA	701	2032	4Q	2033	1Q	-1Q	b
NEW JERSEY	856	2032	4Q	2031	3Q	5Q	a
ILLINOIS	224/847	2033	1Q	2031	2Q	7Q	a
TEXAS	214/469/945/972	2033	2Q	2031	4Q	6Q	a
CANADA	263/438/514	2033	3Q	2033	3Q	N/C	c
NORTH CAROLINA	704/980	2034	1Q	2034	2Q	-1Q	b
MASSACHUSETTS	413	2034	4Q	2032	4Q	8Q	a
ARIZONA	480/602/623	2034	4Q	2023	4Q	44Q	h
WASHINGTON	425	2035	1Q	2033	3Q	6Q	a
ARKANSAS	501	2035	1Q	2032	3Q	10Q	a
GEORGIA	706/762	2035	1Q	2034	2Q	3Q	a
MICHIGAN	231	2035	2Q	2034	2Q	4Q	a
FLORIDA	239	2035	2Q	2036	1Q	-3Q	b
CANADA	418/581/367	2035	2Q	2035	2Q	N/C	c
TENNESSEE	901	2035	2Q	2033	1Q	9Q	a
ALABAMA	251	2035	4Q	2033	4Q	8Q	a
IOWA	319	2035	4Q	2037	2Q	-6Q	b
HAWAII	808	2035	4Q	2033	4Q	8Q	a
WISCONSIN	262	2036	1Q	2034	1Q	8Q	a
CANADA	289/365/742/905	2036	3Q	2036	3Q	N/C	c
NEBRASKA	308	2036	3Q	2034	3Q	8Q	a
CALIFORNIA	442/760	2036	3Q	2036	1Q	2Q	a
NEW YORK	607	2036	3Q	2040	1Q	-14Q	b
MASSACHUSETTS	508/774	2036	4Q	2033	1Q	15Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
KENTUCKY	606	2036	4Q	2036	4Q	N/C	
MICHIGAN	269	2037	1Q	2036	1Q	4Q	a
CANADA	354/450/579	2037	1Q	2037	1Q	N/C	c
ARKANSAS	479	2037	2Q	2039	1Q	-7Q	b
ILLINOIS	779/815	2037	2Q	2036	3Q	3Q	a
CANADA	368/403/587/780/825	2037	3Q	2037	3Q	N/C	c
MICHIGAN	517	2037	3Q	2037	4Q	-1Q	b
PENNSYLVANIA	272/570	2037	4Q	2037	4Q	N/C	
OHIO	419/567	2038	2Q	2038	3Q	-1Q	b
NEVADA	775	2038	2Q	2036	3Q	7Q	a
DELAWARE	302	2038	3Q	2034	2Q	17Q	a
LOUISIANA	337	2038	3Q	2037	4Q	3Q	a
TEXAS	512/737	2038	3Q	2035	3Q	12Q	a
TEXAS	682/817	2038	3Q	2036	2Q	9Q	a
OHIO	234/330	2039	1Q	2037	4Q	5Q	a
CANADA	343/613/753	2039	1Q	2039	1Q	N/C	c
IOWA	515	2039	1Q	2037	3Q	6Q	a
ALASKA	907	2039	1Q	2039	3Q	-2Q	b
IDAHO	208/986	2039	2Q	2039	4Q	-2Q	b
LOUISIANA	225	2039	2Q	2038	1Q	5Q	a
CALIFORNIA	310/424	2039	2Q	2037	4Q	6Q	a
OREGON	503/971	2039	3Q	2038	2Q	5Q	a
ILLINOIS	217/447	2039	4Q	2039	2Q	2Q	a
VIRGINIA	434	2039	4Q	2038	2Q	6Q	a
TEXAS	430/903	2040	1Q	2039	3Q	2Q	a
NEW JERSEY	862/973	2040	1Q	2038	1Q	8Q	a
PENNSYLVANIA	223/717	2040	2Q	2038	2Q	8Q	a
FLORIDA	305/645/786	2040	2Q	2023	4Q	66Q	f
FLORIDA	321A	2040	2Q	2039	3Q	3Q	a,g
FLORIDA	321/407/689	2040	3Q	2040	3Q	N/C	
CANADA	807	2040	3Q	2040	3Q	N/C	c
CANADA	249/683/705	2040	4Q	2040	4Q	N/C	c
CANADA	782/902	2040	4Q	2040	4Q	N/C	c
NEW MEXICO	575	2041	1Q	2038	3Q	10Q	a
MISSISSIPPI	601/769	2041	1Q	2041	1Q	N/C	
TEXAS	830	2041	2Q	2039	2Q	8Q	a
NEW YORK	315/680	2041	3Q	2040	4Q	3Q	a
MINNESOTA	612	2041	3Q	2037	1Q	18Q	a
ILLINOIS	312/773/872	2041	4Q	2042	1Q	-1Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
CANADA	416/437/647	2041	4Q	2041	4Q	N/C	c
CALIFORNIA	925	2041	4Q	2038	3Q	13Q	a
OHIO	216	2042	1Q	2039	4Q	9Q	a
PENNSYLVANIA	412/724/878	2042	1Q	2041	2Q	3Q	a
PENNSYLVANIA	582/814	2042	1Q	2044	2Q	-9Q	b
TENNESSEE	931	2042	1Q	2046	1Q	-16Q	b
MARYLAND	227/240/301	2042	2Q	2023	2Q	76Q	f
PENNSYLVANIA	215/267/445	2042	3Q	2040	4Q	7Q	a
SOUTH CAROLINA	803/839	2042	4Q	2047	1Q	-17Q	b
NORTH CAROLINA	919/984	2042	4Q	2044	2Q	-6Q	b
CANADA	468/819/873	2043	1Q	2043	1Q	N/C	c
CANADA	867	2043	1Q	2043	1Q	N/C	c
NEW YORK	518/838	2043	2Q	2041	3Q	7Q	a
IOWA	641	2043	2Q	2039	3Q	15Q	a
TEXAS	940	2043	2Q	2042	2Q	4Q	a
ALABAMA	256/938	2043	3Q	2044	2Q	-3Q	b
FLORIDA	941	2043	3Q	2041	4Q	7Q	a
NEW JERSEY	201/551	2043	4Q	2042	1Q	7Q	a
NEBRASKA	402/531	2043	4Q	2044	4Q	-4Q	b
MINNESOTA	320	2044	1Q	2043	4Q	1Q	a
UTAH	435	2044	1Q	2043	3Q	2Q	a
NEVADA	702/725	2044	1Q	2042	4Q	5Q	a
PUERTO RICO	787/939	2044	1Q	2043	3Q	2Q	a
FLORIDA	386	2044	2Q	2043	3Q	3Q	a
WYOMING	307	2044	3Q	2046	4Q	-9Q	b
ALABAMA	205/659	2044	4Q	2043	2Q	6Q	a
VERMONT	802	2044	4Q	2042	1Q	11Q	a
NORTH CAROLINA	336/743	2045	1Q	2043	4Q	5Q	a
INDIANA	260	2045	3Q	2043	3Q	8Q	a
VIRGINIA	276	2045	3Q	2047	3Q	-8Q	b
OREGON	458/541	2045	3Q	2044	4Q	3Q	a
TENNESSEE	615/629	2045	3Q	2045	3Q	N/C	
FLORIDA	754/954	2045	3Q	2043	3Q	8Q	a
TENNESSEE	865	2046	1Q	2044	3Q	6Q	a
VIRGINIA	540/826	2046	2Q	2045	1Q	5Q	a
FLORIDA	863	2046	2Q	2045	1Q	-3Q	b
MICHIGAN	616	2046	3Q	2045	1Q	6Q	a
NEW JERSEY	732/848	2046	3Q	2043	1Q	14Q	a
GEORGIA	478	2046	4Q	2048	2Q	-6Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
SOUTH CAROLINA	843/854	2046	4Q	2053	2Q	-26Q	b
OKLAHOMA	539/918	2047	1Q	2042	4Q	17Q	a
INDIANA	812/930	2047	1Q	2045	2Q	7Q	a
TEXAS	409	2047	2Q	2047	3Q	-1Q	b
CONNECTICUT	203/475	2047	3Q	2043	4Q	15Q	a
FLORIDA	561/728	2047	3Q	2047	4Q	-1Q	b
KENTUCKY	859	2047	4Q	2047	2Q	2Q	a
KANSAS	913	2047	4Q	2047	4Q	N/C	
INDIANA	219	2048	1Q	2048	2Q	-1Q	b
TEXAS	361	2048	1Q	2044	4Q	13Q	a
FLORIDA	448/850	2048	1Q	2052	4Q	-19Q	b
CALIFORNIA	747/818	2048	3Q	2045	1Q	14Q	a
MICHIGAN	810	2048	4Q	2049	1Q	-1Q	b
INDIANA	317/463	2049	2Q	2048	2Q	4Q	a
OHIO	220/740	2049	4Q	2050	3Q	-3Q	b
NEW YORK	212/332/646	2050	1Q	2047	3Q	10Q	a
NEW YORK	329/845	2050	1Q	2059	4Q	-39Q	b
CONNECTICUT	860/959	2050	2Q	2047	3Q	11Q	a
TEXAS	210/726	2050	4Q	2054	4Q	-16Q	b
MASSACHUSETTS	617/857	2050	4Q	2045	3Q	21Q	a
ILLINOIS	618/730	2050	4Q	2024	2Q	106Q	f
NORTH CAROLINA	472/910	2051	1Q	2055	2Q	-17Q	b
CALIFORNIA	840/909	2051	2Q	2049	1Q	9Q	a
DISTRICT OF COLUMBIA	202/771	2051	3Q	2058	1Q	-26Q	b
MICHIGAN	248/947	2051	4Q	2050	2Q	6Q	a
CALIFORNIA	279/916	2051	4Q	2047	1Q	19Q	a
COLORADO	303/720/983	2052	2Q	2048	1Q	17Q	a
FLORIDA	656/813	2052	2Q	2052	1Q	1Q	a
CALIFORNIA	209/350	2052	3Q	2047	3Q	20Q	a
WASHINGTON	253	2052	3Q	2051	1Q	6Q	a
TEXAS	325	2052	3Q	2057	1Q	-18Q	b
OKLAHOMA	405/572	2052	3Q	2053	3Q	-4Q	b
CALIFORNIA	408/669	2053	2Q	2048	3Q	19Q	a
NEW YORK	631/934	2053	2Q	2049	4Q	14Q	a
MICHIGAN	586	2053	4Q	2056	1Q	-9Q	b
TEXAS	936	2053	4Q	2048	2Q	22Q	a
MISSOURI	314/557	2054	2Q	2057	1Q	-11Q	b
IOWA	563	2054	3Q	2049	4Q	19Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
WISCONSIN	353/608	2055	2Q	2024	3Q	123Q	f
PENNSYLVANIA	484/610/835	2055	3Q	2056	4Q	-5Q	b
VIRGINIA	757/948	2055	4Q	2054	1Q	7Q	a
RHODE ISLAND	401	2056	1Q	2057	3Q	-6Q	b
NEW JERSEY	609/640	2056	2Q	2052	3Q	15Q	a
TEXAS	915	2056	3Q	2052	3Q	16Q	a
ILLINOIS	464/708	2057	1Q	2060	3Q	-14Q	b
MISSOURI	660	2057	1Q	2048	3Q	34Q	a
LOUISIANA	985	2057	2Q	2053	1Q	17Q	a
CALIFORNIA	341/510	2057	4Q	2056	1Q	7Q	a
ILLINOIS	331/630	2059	1Q	2055	2Q	15Q	a
WASHINGTON	360/564	2059	1Q	2058	2Q	3Q	a
WISCONSIN	414	2059	2Q	2051	1Q	33Q	a
OHIO	326/937	2059	3Q	2057	3Q	8Q	a
OHIO	283/513	2059	4Q	2080	1Q	-81Q	b
WISCONSIN	534/715	2059	4Q	2061	3Q	-7Q	b
OHIO	380/614	2060	3Q	2062	3Q	-8Q	b
TEXAS	979	2060	4Q	2062	1Q	-5Q	b
LOUISIANA	504	2061	4Q	2058	2Q	14Q	a
CALIFORNIA	805/820	2062	1Q	2062	2Q	-1Q	b
INDIANA	574	2062	2Q	2059	2Q	12Q	a
FLORIDA	772	2064	1Q	2060	1Q	16Q	a
NEW YORK	363/516	2064	2Q	2067	4Q	-14Q	b
ILLINOIS	309/861	2067	3Q	2065	1Q	10Q	a
MINNESOTA	651	2067	3Q	2062	2Q	21Q	a
WISCONSIN	274/920	2069	1Q	2024	4Q	177Q	f
MASSACHUSETTS	351/978	2070	1Q	2066	1Q	16Q	a
KENTUCKY	270/364	2070	4Q	2072	1Q	-5Q	b
CALIFORNIA	369/707	2070	4Q	2076	3Q	-23Q	b
MISSOURI	636	2071	1Q	2064	1Q	28Q	a
CALIFORNIA	415/628	2071	4Q	2064	1Q	31Q	a
TEXAS	432	2072	1Q	2070	1Q	8Q	a
TENNESSEE	731	2072	1Q	2086	2Q	-57Q	b
KANSAS	316	2072	4Q	2076	3Q	-15Q	b
MISSOURI	816/975	2075	3Q	2025	1Q	202Q	f
CALIFORNIA	831	2076	2Q	2068	3Q	31Q	a
MINNESOTA	763	2080	1Q	2075	1Q	20Q	a
VIRGIN ISLANDS	340	2085	1Q	2089	1Q	-16Q	b
MISSISSIPPI	228	2095	3Q	2105	1Q	-38Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
MASSACHUSETTS	339/781	2096	3Q	2095	2Q	5Q	a
MICHIGAN	906	2096	3Q	2095	1Q	6Q	a
CNMI	670	2110	1Q	2110	1Q	N/C	
GUAM	671	2148	3Q	2149	1Q	-2Q	b
MINNESOTA	952	2148	4Q	2119	1Q	119Q	a
AMERICAN SAMOA	684	2180	1Q	2180	1Q	N/C	
ARIZONA	602			2025	4Q		h
ARIZONA	623			2061	2Q		h
NEW YORK	917						e

Table A7-3
Projected Exhaust Dates by Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
ALABAMA	251	2035	4Q	2033	4Q	8Q	a
ALABAMA	334	2026	3Q	2026	3Q	N/C	
ALABAMA	205/659	2044	4Q	2043	2Q	6Q	a
ALABAMA	256/938	2043	3Q	2044	2Q	-3Q	b
ALASKA	907	2039	1Q	2039	3Q	-2Q	b
AMERICAN SAMOA	684	2180	1Q	2180	1Q	N/C	
ARIZONA	520	2027	4Q	2028	1Q	-1Q	b
ARIZONA	602			2025	4Q		h
ARIZONA	623			2061	2Q		h
ARIZONA	928	2031	3Q	2030	1Q	6Q	a
ARIZONA	480/602/623	2034	4Q	2023	4Q	44Q	h
ARKANSAS	479	2037	2Q	2039	1Q	-7Q	b
ARKANSAS	501	2035	1Q	2032	3Q	10Q	a
ARKANSAS	870	2024	2Q	2024	2Q	N/C	
CALIFORNIA	530	2025	3Q	2025	3Q	N/C	
CALIFORNIA	559	2025	3Q	2025	3Q	N/C	
CALIFORNIA	562	2030	2Q	2030	2Q	N/C	
CALIFORNIA	626	2028	4Q	2028	1Q	3Q	a
CALIFORNIA	650	2030	1Q	2029	1Q	4Q	a
CALIFORNIA	661	2031	2Q	2031	3Q	-1Q	b
CALIFORNIA	831	2076	2Q	2068	3Q	31Q	a
CALIFORNIA	925	2041	4Q	2038	3Q	13Q	a
CALIFORNIA	949	2027	2Q	2027	1Q	1Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
CALIFORNIA	209/350	2052	3Q	2047	3Q	20Q	a
CALIFORNIA	213/323	2026	2Q	2025	2Q	4Q	a
CALIFORNIA	279/916	2051	4Q	2047	1Q	19Q	a
CALIFORNIA	310/424	2039	2Q	2037	4Q	6Q	a
CALIFORNIA	341/510	2057	4Q	2056	1Q	7Q	a
CALIFORNIA	369/707	2070	4Q	2076	3Q	-23Q	b
CALIFORNIA	408/669	2053	2Q	2048	3Q	19Q	a
CALIFORNIA	415/628	2071	4Q	2064	1Q	31Q	a
CALIFORNIA	442/760	2036	3Q	2036	1Q	2Q	a
CALIFORNIA	619/858	2032	3Q	2030	4Q	7Q	a
CALIFORNIA	657/714	2027	1Q	2026	3Q	2Q	a, i
CALIFORNIA	747/818	2048	3Q	2045	1Q	14Q	a
CALIFORNIA	805/820	2062	1Q	2062	2Q	-1Q	b
CALIFORNIA	840/909	2051	2Q	2049	1Q	9Q	a
CALIFORNIA	951	2030	1Q	2030	3Q	-2Q	b
CANADA	867	2043	1Q	2043	1Q	N/C	c
CANADA	204/431/584	2032	4Q	2032	4Q	N/C	c
CANADA	226/382/519/548	2030	2Q	2030	2Q	N/C	c
CANADA	236/250/604/672/778	2030	3Q	2030	3Q	N/C	c
CANADA	249/683/705	2040	4Q	2040	4Q	N/C	c
CANADA	263/438/514	2033	3Q	2033	3Q	N/C	c
CANADA	289/365/742/905	2036	3Q	2036	3Q	N/C	c
CANADA	306/474/639	2032	3Q	2032	3Q	N/C	c
CANADA	343/613/753	2039	1Q	2039	1Q	N/C	c
CANADA	354/450/579	2037	1Q	2037	1Q	N/C	c
CANADA	368/403/587/780/825	2037	3Q	2037	3Q	N/C	c
CANADA	416/437/647	2041	4Q	2041	4Q	N/C	c
CANADA	418/581/367	2035	2Q	2035	2Q	N/C	c
CANADA	428/506	2024	3Q	2024	3Q	N/C	c
CANADA	468/819/873	2043	1Q	2043	1Q	N/C	c
CANADA	709/879	2024	4Q	2024	4Q	N/C	c
CANADA	782/902	2040	4Q	2040	4Q	N/C	c
CANADA	807	2040	3Q	2040	3Q	N/C	c
CNMI	670	2110	1Q	2110	1Q	N/C	
COLORADO	719	2028	2Q	2029	3Q	-5Q	b
COLORADO	970	2026	1Q	2026	1Q	N/C	
COLORADO	303/720/983	2052	2Q	2048	1Q	17Q	a
CONNECTICUT	203/475	2047	3Q	2043	4Q	15Q	a
CONNECTICUT	860/959	2050	2Q	2047	3Q	11Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
DELAWARE	302	2038	3Q	2034	2Q	17Q	a
DISTRICT OF COLUMBIA	202/771	2051	3Q	2058	1Q	-26Q	b
FLORIDA	239	2035	2Q	2036	1Q	-3Q	b
FLORIDA	352	2027	3Q	2027	4Q	-1Q	b
FLORIDA	386	2044	2Q	2043	3Q	3Q	a
FLORIDA	727	2032	2Q	2030	4Q	6Q	a
FLORIDA	772	2064	1Q	2060	1Q	16Q	a
FLORIDA	863	2046	2Q	2045	1Q	-3Q	b
FLORIDA	904	2024	4Q	2024	3Q	1Q	a
FLORIDA	941	2043	3Q	2041	4Q	7Q	a
FLORIDA	305/645/786	2040	2Q	2023	4Q	66Q	f
FLORIDA	321/407/689	2040	3Q	2040	3Q	N/C	
FLORIDA	321A	2040	2Q	2039	3Q	3Q	a,g
FLORIDA	448/850	2048	1Q	2052	4Q	-19Q	b
FLORIDA	561/728	2047	3Q	2047	4Q	-1Q	b
FLORIDA	656/813	2052	2Q	2052	1Q	1Q	a
FLORIDA	754/954	2045	3Q	2043	3Q	8Q	a
GEORGIA	229	2030	2Q	2031	2Q	-4Q	b
GEORGIA	478	2046	4Q	2048	2Q	-6Q	b
GEORGIA	912	2028	1Q	2028	2Q	-1Q	b
GEORGIA	404/470/678/770/943	2031	4Q	2030	3Q	5Q	a
GEORGIA	706/762	2035	1Q	2034	2Q	3Q	a
GUAM	671	2148	3Q	2149	1Q	-2Q	b
HAWAII	808	2035	4Q	2033	4Q	8Q	a
IDAHO	208/986	2039	2Q	2039	4Q	-2Q	b
ILLINOIS	217/447	2039	4Q	2039	2Q	2Q	a
ILLINOIS	224/847	2033	1Q	2031	2Q	7Q	a
ILLINOIS	309/861	2067	3Q	2065	1Q	10Q	a
ILLINOIS	312/773/872	2041	4Q	2042	1Q	-1Q	b
ILLINOIS	331/630	2059	1Q	2055	2Q	15Q	a
ILLINOIS	464/708	2057	1Q	2060	3Q	-14Q	b
ILLINOIS	618/730	2050	4Q	2024	2Q	106Q	f
ILLINOIS	779/815	2037	2Q	2036	3Q	3Q	a
INDIANA	219	2048	1Q	2048	2Q	-1Q	b
INDIANA	260	2045	3Q	2043	3Q	8Q	a
INDIANA	574	2062	2Q	2059	2Q	12Q	a
INDIANA	765	2027	4Q	2027	1Q	3Q	a
INDIANA	317/463	2049	2Q	2048	2Q	4Q	a

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
INDIANA	812/930	2047	1Q	2045	2Q	7Q	a
IOWA	319	2035	4Q	2037	2Q	-6Q	b
IOWA	515	2039	1Q	2037	3Q	6Q	a
IOWA	563	2054	3Q	2049	4Q	19Q	a
IOWA	641	2043	2Q	2039	3Q	15Q	a
IOWA	712	2032	3Q	2033	1Q	-2Q	b
KANSAS	316	2072	4Q	2076	3Q	-15Q	b
KANSAS	620	2028	2Q	2027	2Q	4Q	a
KANSAS	785	2029	2Q	2029	2Q	N/C	
KANSAS	913	2047	4Q	2047	4Q	N/C	
KENTUCKY	502	2028	4Q	2028	4Q	N/C	
KENTUCKY	606	2036	4Q	2036	4Q	N/C	
KENTUCKY	859	2047	4Q	2047	2Q	2Q	a
KENTUCKY	270/364	2070	4Q	2072	1Q	-5Q	b
LOUISIANA	225	2039	2Q	2038	1Q	5Q	a
LOUISIANA	318	2026	1Q	2026	1Q	N/C	
LOUISIANA	337	2038	3Q	2037	4Q	3Q	a
LOUISIANA	504	2061	4Q	2058	2Q	14Q	a
LOUISIANA	985	2057	2Q	2053	1Q	17Q	a
MAINE	207	2032	4Q	2029	2Q	14Q	a
MARYLAND	227/240/301	2042	2Q	2023	2Q	76Q	f
MARYLAND	410/443/667	2031	4Q	2031	3Q	1Q	a
MASSACHUSETTS	413	2034	4Q	2032	4Q	8Q	a
MASSACHUSETTS	339/781	2096	3Q	2095	2Q	5Q	a
MASSACHUSETTS	351/978	2070	1Q	2066	1Q	16Q	a
MASSACHUSETTS	508/774	2036	4Q	2033	1Q	15Q	a
MASSACHUSETTS	617/857	2050	4Q	2045	3Q	21Q	a
MICHIGAN	231	2035	2Q	2034	2Q	4Q	a
MICHIGAN	269	2037	1Q	2036	1Q	4Q	a
MICHIGAN	313	2027	2Q	2026	2Q	4Q	a
MICHIGAN	517	2037	3Q	2037	4Q	-1Q	b
MICHIGAN	586	2053	4Q	2056	1Q	-9Q	b
MICHIGAN	616	2046	3Q	2045	1Q	6Q	a
MICHIGAN	734	2029	2Q	2028	3Q	3Q	a
MICHIGAN	810	2048	4Q	2049	1Q	-1Q	b
MICHIGAN	906	2096	3Q	2095	1Q	6Q	a
MICHIGAN	989	2027	4Q	2027	4Q	N/C	
MICHIGAN	248/947	2051	4Q	2050	2Q	6Q	a
MINNESOTA	218	2028	2Q	2028	4Q	-2Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
MINNESOTA	320	2044	1Q	2043	4Q	1Q	a
MINNESOTA	507	2025	1Q	2025	1Q	N/C	
MINNESOTA	612	2041	3Q	2037	1Q	18Q	a
MINNESOTA	651	2067	3Q	2062	2Q	21Q	a
MINNESOTA	763	2080	1Q	2075	1Q	20Q	a
MINNESOTA	952	2148	4Q	2119	1Q	119Q	a
MISSISSIPPI	228	2095	3Q	2105	1Q	-38Q	b
MISSISSIPPI	662	2026	3Q	2027	1Q	-2Q	b, i
MISSISSIPPI	601/769	2041	1Q	2041	1Q	N/C	
MISSOURI	417	2031	3Q	2030	2Q	5Q	a
MISSOURI	573	2024	1Q	2024	3Q	-2Q	b
MISSOURI	636	2071	1Q	2064	1Q	28Q	a
MISSOURI	660	2057	1Q	2048	3Q	34Q	a
MISSOURI	314/557	2054	2Q	2057	1Q	-11Q	b
MISSOURI	816/975	2075	3Q	2025	1Q	202Q	f
MONTANA	406	2031	2Q	2032	3Q	-5Q	b
NEBRASKA	308	2036	3Q	2034	3Q	8Q	a
NEBRASKA	402/531	2043	4Q	2044	4Q	-4Q	b
NEVADA	775	2038	2Q	2036	3Q	7Q	a
NEVADA	702/725	2044	1Q	2042	4Q	5Q	a
NEW HAMPSHIRE	603	2027	2Q	2028	1Q	-3Q	b
NEW JERSEY	856	2032	4Q	2031	3Q	5Q	a
NEW JERSEY	908	2028	4Q	2029	1Q	-1Q	b
NEW JERSEY	201/551	2043	4Q	2042	1Q	7Q	a
NEW JERSEY	609/640	2056	2Q	2052	3Q	15Q	a
NEW JERSEY	732/848	2046	3Q	2043	1Q	14Q	a
NEW JERSEY	862/973	2040	1Q	2038	1Q	8Q	a
NEW MEXICO	505	2029	2Q	2028	4Q	2Q	a
NEW MEXICO	575	2041	1Q	2038	3Q	10Q	a
NEW YORK	585	2029	3Q	2028	4Q	3Q	a
NEW YORK	607	2036	3Q	2040	1Q	-14Q	b
NEW YORK	716	2025	3Q	2025	2Q	1Q	a
NEW YORK	914	2029	3Q	2029	2Q	1Q	a
NEW YORK	917						e
NEW YORK	212/332/646	2050	1Q	2047	3Q	10Q	a
NEW YORK	315/680	2041	3Q	2040	4Q	3Q	a
NEW YORK	329/845	2050	1Q	2059	4Q	-39Q	b
NEW YORK	347/718/929	2027	1Q	2027	2Q	-1Q	b
NEW YORK	363/516	2064	2Q	2067	4Q	-14Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
NEW YORK	518/838	2043	2Q	2041	3Q	7Q	a
NEW YORK	631/934	2053	2Q	2049	4Q	14Q	a
NORTH CAROLINA	252	2030	1Q	2031	1Q	-4Q	b
NORTH CAROLINA	828	2028	2Q	2030	1Q	-7Q	b
NORTH CAROLINA	336/743	2045	1Q	2043	4Q	5Q	a
NORTH CAROLINA	472/910	2051	1Q	2055	2Q	-17Q	b
NORTH CAROLINA	704/980	2034	1Q	2034	2Q	-1Q	b
NORTH CAROLINA	919/984	2042	4Q	2044	2Q	-6Q	b
NORTH DAKOTA	701	2032	4Q	2033	1Q	-1Q	b
OHIO	216	2042	1Q	2039	4Q	9Q	a
OHIO	440	2026	2Q	2025	2Q	4Q	a
OHIO	220/740	2049	4Q	2050	3Q	-3Q	b
OHIO	234/330	2039	1Q	2037	4Q	5Q	a
OHIO	283/513	2059	4Q	2080	1Q	-81Q	b
OHIO	326/937	2059	3Q	2057	3Q	8Q	a
OHIO	380/614	2060	3Q	2062	3Q	-8Q	b
OHIO	419/567	2038	2Q	2038	3Q	-1Q	b
OKLAHOMA	580	2028	4Q	2028	2Q	2Q	a
OKLAHOMA	405/572	2052	3Q	2053	3Q	-4Q	b
OKLAHOMA	539/918	2047	1Q	2042	4Q	17Q	a
OREGON	458/541	2045	3Q	2044	4Q	3Q	a
OREGON	503/971	2039	3Q	2038	2Q	5Q	a
PENNSYLVANIA	215/267/445	2042	3Q	2040	4Q	7Q	a
PENNSYLVANIA	223/717	2040	2Q	2038	2Q	8Q	a
PENNSYLVANIA	272/570	2037	4Q	2037	4Q	N/C	
PENNSYLVANIA	412/724/878	2042	1Q	2041	2Q	3Q	a
PENNSYLVANIA	484/610/835	2055	3Q	2056	4Q	-5Q	b
PENNSYLVANIA	582/814	2042	1Q	2044	2Q	-9Q	b
PUERTO RICO	787/939	2044	1Q	2043	3Q	2Q	a
RHODE ISLAND	401	2056	1Q	2057	3Q	-6Q	b
SOUTH CAROLINA	864	2024	3Q	2025	1Q	-2Q	b
SOUTH CAROLINA	803/839	2042	4Q	2047	1Q	-17Q	b
SOUTH CAROLINA	843/854	2046	4Q	2053	2Q	-26Q	b
SOUTH DAKOTA	605	2027	2Q	2026	3Q	3Q	a, i
TENNESSEE	423	2025	3Q	2025	3Q	N/C	
TENNESSEE	731	2072	1Q	2086	2Q	-57Q	b
TENNESSEE	865	2046	1Q	2044	3Q	6Q	a
TENNESSEE	901	2035	2Q	2033	1Q	9Q	a
TENNESSEE	931	2042	1Q	2046	1Q	-16Q	b

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
TENNESSEE	615/629	2045	3Q	2045	3Q	N/C	
TEXAS	254	2030	4Q	2030	4Q	N/C	
TEXAS	325	2052	3Q	2057	1Q	-18Q	b
TEXAS	361	2048	1Q	2044	4Q	13Q	a
TEXAS	409	2047	2Q	2047	3Q	-1Q	b
TEXAS	432	2072	1Q	2070	1Q	8Q	a
TEXAS	806	2028	4Q	2028	4Q	N/C	
TEXAS	830	2041	2Q	2039	2Q	8Q	a
TEXAS	915	2056	3Q	2052	3Q	16Q	a
TEXAS	936	2053	4Q	2048	2Q	22Q	a
TEXAS	940	2043	2Q	2042	2Q	4Q	a
TEXAS	956	2028	2Q	2027	4Q	2Q	a
TEXAS	979	2060	4Q	2062	1Q	-5Q	b
TEXAS	210/726	2050	4Q	2054	4Q	-16Q	b
TEXAS	214/469/945/972	2033	2Q	2031	4Q	6Q	a
TEXAS	281/346/713/832	2025	3Q	2025	3Q	N/C	
TEXAS	430/903	2040	1Q	2039	3Q	2Q	a
TEXAS	512/737	2038	3Q	2035	3Q	12Q	a
TEXAS	682/817	2038	3Q	2036	2Q	9Q	a
UTAH	435	2044	1Q	2043	3Q	2Q	a
UTAH	385/801	2031	1Q	2032	1Q	-4Q	b
VERMONT	802	2044	4Q	2042	1Q	11Q	a
VIRGIN ISLANDS	340	2085	1Q	2089	1Q	-16Q	b
VIRGINIA	276	2045	3Q	2047	3Q	-8Q	b
VIRGINIA	434	2039	4Q	2038	2Q	6Q	a
VIRGINIA	804	2025	3Q	2024	3Q	4Q	a
VIRGINIA	540/826	2046	2Q	2045	1Q	5Q	a
VIRGINIA	571/703	2031	2Q	2031	1Q	1Q	a
VIRGINIA	757/948	2055	4Q	2054	1Q	7Q	a
WASHINGTON	206	2026	1Q	2025	4Q	1Q	a
WASHINGTON	253	2052	3Q	2051	1Q	6Q	a
WASHINGTON	425	2035	1Q	2033	3Q	6Q	a
WASHINGTON	509	2027	2Q	2026	4Q	2Q	a
WASHINGTON	360/564	2059	1Q	2058	2Q	3Q	a
WEST VIRGINIA	304/681	2032	1Q	2032	1Q	N/C	
WISCONSIN	262	2036	1Q	2034	1Q	8Q	a
WISCONSIN	414	2059	2Q	2051	1Q	33Q	a
WISCONSIN	274/920	2069	1Q	2024	4Q	177Q	f
WISCONSIN	353/608	2055	2Q	2024	3Q	123Q	f

LOCATION	NPA	2023.2 FCST		2023.1 FCST		CHANGE	NOTES COMMENTS
		Year	Quarter	Year	Quarter	2023.1 to 2023.2	
WISCONSIN	534/715	2059	4Q	2061	3Q	-7Q	b
WYOMING	307	2044	3Q	2046	4Q	-9Q	b

ATTACHMENT 8

2023 NANP EXHAUST ANALYSES

April 2023 North American Numbering Plan (NANP) Exhaust Analysis

Introduction

NANPA projects the exhaust of the NANP based upon the current NPA Exhaust Analysis and the utilization and forecast data submitted by service providers via the Numbering Resource/Utilization Forecast Report (“NRUF”) process. The following assumptions were also used in this exhaust analysis.

NANP Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the April 2023 NANP exhaust projection prepared by NANPA.

1. The NANP exhaust study uses as its basis the Central Office (“CO”) code demand, which includes service provider and thousands-block pooling forecasts, historical CO code assignments and other Numbering Plan Area (“NPA”)-specific information, calculated for each respective NPA. The monthly CO code demand as calculated in the NPA exhaust analysis using statistical analyses similar to the analysis NANPA uses to forecast the exhaust of NPAs, i.e., SP forecasts and historical CO code assignment data.
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 thousands-block pooling forecasts 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. Generally the unassignable CO codes in the existing NPAs are duplicated in the new NPA. There may be times, however, when additional CO 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 CO codes other than those identified in number 4 above.

6. The CO code demand for an exhausting NPA will be continued after NPA relief. By doing so, the demand for both the existing and new NPAs will be considered for the geographic area covered by the original NPA.
7. 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 April 2023 NPA Exhaust Analysis and the CO code demand included in NRUF submissions, an average yearly gross CO code demand rate of 6,560 CO codes was calculated. This yearly demand rate was compared with U.S. CO code demand rates in 2018 through 2023.

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2018	2,800	2,500
2019	2,926	2,650
2020	4,030	3,346
2021	4,966	4,835
2022	6,561	3,849
2023	6,560	4,395

To project the exhaust of the NANP, an average annual gross demand of 6,560 CO codes was used. This demand factors in the forecast data submitted as part of the February 2023 NRUF process and the demand in non-US NANP member area codes.²⁹

Model Based on Projected Demand

Using an average gross CO code demand rate of 6,560 codes assigned per year, the projected NANP exhaust date is 2051 assuming the quantity of NPAs remains at 677.

This figure of 677 NPAs is derived as follows: 800 NPAs less the 11 NPAs that are unavailable³⁰ for assignment: N11 NPA codes (8), 555 and 950 NPA codes (2), and 988 NPA code (1); and less the 112 NPAs that are reserved³¹ for: NANP expansion (80), 880 – 887 and 889 toll-free NPA codes (9) and non-geographic NPA codes³² (23).

²⁹ NANPA included an annual forecast of 1,257 CO codes for non-US NANP member countries.

³⁰ Per Section 4.2, NPA Allocation Plan And Assignment Guidelines, ATIS-0300055.

³¹ Per Section 4.3 and 11.0, NPA Allocation Plan And Assignment Guidelines, ATIS-0300055.

³² Includes 23 NPA codes, 18 reserved for non-geographic services (532, 538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546, and 558) and 5 reserved for Canada (633, 644, 655, 677 and 688).

Sensitivity Analysis

For comparison purposes, NANPA performed a sensitivity analysis using an average annual demand to 7,872 CO codes, a 20% increase in the base model demand. This analysis resulted in a projected exhaust of 2045.

October 2023 North American Numbering Plan (NANP) Exhaust Analysis

Introduction

NANPA projects the exhaust of the NANP based upon the current NPA Exhaust Analysis and the utilization and forecast data submitted by service providers via the Numbering Resource/Utilization Forecast Report (“NRUF”) process. The following assumptions were also used in this exhaust analysis.

NANP Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2023 NANP exhaust projection prepared by NANPA.

1. The NANP exhaust study uses as its basis the Central Office (“CO”) code demand, which includes service provider and thousands-block pooling forecasts, historical CO code assignments and other Numbering Plan Area (“NPA”)-specific information, calculated for each respective NPA. The monthly CO code demand is calculated in the NPA exhaust analysis using statistical analyses similar to the analysis NANPA uses to forecast the exhaust of NPAs, i.e., SP forecasts and historical CO code assignment data.
2. A new NPA will be required when the number of assigned and unavailable CO codes reaches 800.
3. It is assumed that each new NPA will require the same number of unassignable codes as the current NPA. Generally, the unassignable CO codes in the existing NPAs are duplicated in the new NPA. There may be times, however, when additional CO codes in the new NPA are marked unassignable.
4. No assumptions were made with regard to the relief method implemented (*i.e.*, NPA split vs. overlay).
5. The CO code demand for an exhausting NPA will be continued after NPA relief. By doing so, the demand for both the existing and new NPAs will be considered for the geographic area covered by the original NPA.
6. To account for the variability of demand, a sensitivity analysis was performed to the CO code demand (*i.e.*, demand will be increased or decreased by increments of 10%) to depict 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 October 2023 NPA Exhaust Analysis and the CO code demand included in the NRUF submissions, an average yearly forecasted CO code demand rate of 6,581 CO codes was calculated.

Year	Annual Forecasted CO Code Demand
2019	2,926
2020	4,030
2021	4,966
2022	6,561
2023	6,581

To project the exhaust of the NANP, an average annual forecasted demand of 6,581 CO codes was used. This demand factors in the forecast data submitted as part of the August 2023 NRUF process and the demand in non-US NANP member area codes.³³

Model Based on Projected Demand

Using an average forecasted CO code demand rate of 6,581 codes assigned per year, the projected NANP exhaust date is 2051 assuming the quantity of NPAs remains at 679.

This figure of 679 NPAs is derived as follows: 800 NPAs less the 11 NPAs that are unavailable³⁴ for assignment: N11 NPA codes (8), 555 and 950 NPA codes (2), and 988 NPA code (1); and less the 110 NPAs that are reserved³⁵ for: NANP expansion (80), 880 – 887 and 889 toll-free NPA codes (9) and non- geographic NPA codes³⁶ (21).

Sensitivity Analysis

For comparison purposes, NANPA also performed a sensitivity analysis using an average annual demand of 7,898 CO codes, a 20% increase in the base model demand. This analysis resulted in a projected exhaust of 2045.

³³ NANPA included an annual forecast of 1,414 CO codes for non-US NANP member countries.

³⁴ Per Section 4.2, NPA Allocation Plan And Assignment Guidelines, ATIS-0300055.

³⁵ Per Section 4.3 and 11.0, NPA Allocation Plan And Assignment Guidelines, ATIS-0300055.

³⁶ Includes 21 NPA codes, 17 reserved for non-geographic services (538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546, and 558) and 4 reserved for Canada (644, 655, 677 and 688).

ATTACHMENT 9

2023 5XX NPA Exhaust Analyses

April 2023 5XX NPA Exhaust Projection Analysis

Introduction

NANPA projects the exhaust of the non-geographic 5XX NPA resources based upon the utilization and forecast data submitted by service providers via the NRUF process. The following assumptions were used in this exhaust analysis. The 5XX NPAs currently in service are 500, 521, 522, 523, 524, 525, 526, 527, 528, 529, 533, 544, 566, 577 and 588.

5XX NPA Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the April 2023 5XX NPA exhaust projection prepared by NANPA.

1. The 5XX NPA exhaust study uses as its basis the NXX code forecasts submitted via the NRUF reporting process and historical NXX code assignment information. The five-year total forecasted demand is used to calculate the number of 5XX NPAs that will be needed over the next five (5) years. This demand is also used to forecast when the current quantity of assigned and reserved 5XX NPAs will exhaust.³⁷
2. A new 5XX NPA will be required when the number of assigned and unassignable NXX codes reaches 800.
3. It is assumed that each new 5XX NPA will require the same number of unassignable codes as the current 5XX NPA.

Results Based on Assumptions

Using the February 2023 NRUF data, the aggregated forecasted demand for 5XX-NXXs for 2023 through 2027, ranges from 2,000 NXXs to 2,400 NXXs per year. Below is the demand rate versus the actual assignment rate from 2018 through 2022.

Year	Forecasted 5XX-NXX Demand	Actual 5XX-NXX Assignments
2018	1,146	1,108
2019	700	618
2020	1,356	1,186

³⁷ The 5XX NPAs reserved for future expansion as of the April NRUF include the following: 532, 538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546 and 558.

Year	Forecasted 5XX-NXX Demand	Actual 5XX-NXX Assignments
2021	1,592	1,582
2022	1,978	1,555

The average annual demand for non-geographic 5XX NPA NXX codes for the next five (5) years is 2,170 NXX codes. It is expected that 13 new 5XX NPAs is needed over the next five years.

In projecting the exhaust of the assigned and reserved 5XX NPAs (15 assigned 5XX NPAs and 18 reserved 5XX NPAs), with an annual demand rate of 2,170 5XX-NXXs, the 5XX NPAs is projected to exhaust in seven (7) years.

October 2023 5XX NPA Exhaust Projection Analysis

Introduction

NANPA projects the exhaust of the non-geographic 5XX NPA resources based upon the utilization and forecast data submitted by service providers via the NRUF process. The following assumptions were used in this exhaust analysis. The 5XX NPAs currently in service are 500, 521, 522, 523, 524, 525, 526, 527, 528, 529, 533, 544, 566, 577 and 588; and the 532 is awaiting implementation.

5XX NPA Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2023 5XX NPA exhaust projection prepared by NANPA.

1. The 5XX NPA exhaust study uses as its basis the NXX code forecasts submitted via the NRUF reporting process and historical NXX code assignment information. The five-year total forecasted demand is used to calculate the number of 5XX NPAs that will be needed over the next five (5) years. This demand is also used to forecast when the current quantity of assigned and reserved 5XX NPAs will exhaust.³⁸
2. A new 5XX NPA will be required when the number of assigned and unassignable NXX codes reaches 800.
3. It is assumed that each new 5XX NPA will require the same number of unassignable codes as the current 5XX NPA.

Results based on Assumptions

³⁸ The 5XX NPAs reserved for future expansion as of the October NRUF include the following: 538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546 and 558.

Using the August 2023 NRUF data, the aggregated forecasted demand for 5XX-NXXs for 2023 through 2027, ranges from 1,400 NXXs to 1,900 NXXs per year. Below is the demand rate versus the actual assignment rate from 2019 through the end of August 2023.

Year	Forecasted 5XX-NXX Demand	Actual 5XX-NXX Assignments
2019	700	618
2020	1,356	1,186
2021	1,592	1,582
2022	1,978	1,555
2023	1,415	433 ³⁹

The average annual demand for non-geographic 5XX NPA NXX codes for the next five (5) years is 1,700 NXX codes. It is expected that 10 new 5XX NPAs is needed over the next five years.

In projecting the exhaust of the assigned and reserved 5XX NPAs (16 assigned 5XX NPAs and 17 reserved 5XX NPAs), with an annual demand rate of 1,700 5XX-NXXs, the 5XX NPAs is projected to exhaust in eight (8) years.

³⁹ 5XX-NXX assignments through the end of August 2023.

ATTACHMENT 10
NXXS SAVED BY POOLING AS OF DECEMBER 31, 2023

Table A10-1
Sorted by NPA/State

NPA	STATE	QUANTITY OF NXXs SAVED BY POOLING
201/551	NEW JERSEY	422
202/771	DISTRICT OF COLUMBIA	31
203/475	CONNECTICUT	449
205/659	ALABAMA	585
206	WASHINGTON	76
207	MAINE	884
208/986	IDAHO	558
209/350	CALIFORNIA	535
210/726	TEXAS	37
212/332/646/917	NEW YORK	45
213/323	CALIFORNIA	259
214/469/945/972	TEXAS	597
215/267/445	PENNSYLVANIA	611
216	OHIO	70
217/447	ILLINOIS	1,027
218	MINNESOTA	557
219	INDIANA	444
220/740	OHIO	1,375
223/717	PENNSYLVANIA	994
224/847	ILLINOIS	695
225	LOUISIANA	296
227/240/301	MARYLAND	760
228	MISSISSIPPI	148
229	GEORGIA	355
231	MICHIGAN	730
234/330	OHIO	966
239	FLORIDA	166
248/947	MICHIGAN	380
251	ALABAMA	249
252	NORTH CAROLINA	601
253	WASHINGTON	123
254	TEXAS	537
256/938	ALABAMA	732
260	INDIANA	486

NPA	STATE	QUANTITY OF NXXs SAVED BY POOLING
262	WISCONSIN	571
269	MICHIGAN	697
270/364	KENTUCKY	771
272/570	PENNSYLVANIA	1,445
274/920	WISCONSIN	906
276	VIRGINIA	482
279/916	CALIFORNIA	222
281/346/713/832	TEXAS	612
283/513	OHIO	260
302	DELAWARE	372
303/720/983	COLORADO	123
304/681	WEST VIRGINIA	1,430
305/645/786	FLORIDA	141
307	WYOMING	299
308	NEBRASKA	333
309/861	ILLINOIS	865
310/424	CALIFORNIA	320
312/872	ILLINOIS	33
313	MICHIGAN	130
314/557	MISSOURI	102
315/680	NEW YORK	1,182
316	KANSAS	153
317/463	INDIANA	417
318	LOUISIANA	661
319	IOWA	476
320	MINNESOTA	511
321	FLORIDA	78
321/407/689	FLORIDA	280
325	TEXAS	342
326/937	OHIO	829
329/845	NEW YORK	1,181
331/630	ILLINOIS	431
334	ALABAMA	545
336/743	NORTH CAROLINA	546
337	LOUISIANA	491
339/781	MASSACHUSETTS	603
341/510	CALIFORNIA	231
347/718/917/929	NEW YORK	325
351/978	MASSACHUSETTS	835
352	FLORIDA	525
353/608	WISCONSIN	647

NPA	STATE	QUANTITY OF NXXs SAVED BY POOLING
360/564	WASHINGTON	464
361	TEXAS	455
363/516	NEW YORK	232
369/707	CALIFORNIA	853
380/614	OHIO	229
385/801	UTAH	264
386	FLORIDA	357
401	RHODE ISLAND	318
402/531	NEBRASKA	842
404/470/678/943	GEORGIA	34
405/572	OKLAHOMA	515
406	MONTANA	441
408/669	CALIFORNIA	190
409	TEXAS	290
410/443/667	MARYLAND	1,189
412/878	PENNSYLVANIA	364
413	MASSACHUSETTS	631
414	WISCONSIN	65
415/628	CALIFORNIA	240
417	MISSOURI	643
419/567	OHIO	1,231
423	TENNESSEE	526
425	WASHINGTON	154
430/903	TEXAS	1,034
432	TEXAS	234
434	VIRGINIA	566
435	UTAH	271
440	OHIO	570
442/760	CALIFORNIA	949
448/850	FLORIDA	443
458/541	OREGON	980
464/708	ILLINOIS	517
470/678/770/943	GEORGIA	552
472/910	NORTH CAROLINA	630
478	GEORGIA	239
479	ARKANSAS	307
480/602/623	ARIZONA	34
484/610/835	PENNSYLVANIA	1,188
501	ARKANSAS	426
502	KENTUCKY	371
503/971	OREGON	463

NPA	STATE	QUANTITY OF NXXs SAVED BY POOLING
504	LOUISIANA	70
505	NEW MEXICO	189
507	MINNESOTA	688
508/774	MASSACHUSETTS	1,244
509	WASHINGTON	512
512/737	TEXAS	441
515	IOWA	429
517	MICHIGAN	526
518/838	NEW YORK	1,286
520	ARIZONA	171
530	CALIFORNIA	779
534/715	WISCONSIN	814
539/918	OKLAHOMA	686
540/826	VIRGINIA	823
559	CALIFORNIA	491
561/728	FLORIDA	173
562	CALIFORNIA	147
563	IOWA	398
571/703	VIRGINIA	301
573	MISSOURI	1,050
574	INDIANA	359
575	NEW MEXICO	373
580	OKLAHOMA	615
582/814	PENNSYLVANIA	1,219
585	NEW YORK	709
586	MICHIGAN	200
601/769	MISSISSIPPI	816
603	NEW HAMPSHIRE	802
605	SOUTH DAKOTA	305
606	KENTUCKY	512
607	NEW YORK	762
609/640	NEW JERSEY	630
612	MINNESOTA	28
615/629	TENNESSEE	422
616	MICHIGAN	461
617/857	MASSACHUSETTS	356
618/730	ILLINOIS	1,120
619/858	CALIFORNIA	266
620	KANSAS	812
624/716	NEW YORK	737
626	CALIFORNIA	156

NPA	STATE	QUANTITY OF NXXs SAVED BY POOLING
631/934	NEW YORK	866
636	MISSOURI	438
641	IOWA	677
650	CALIFORNIA	248
651	MINNESOTA	127
656/813	FLORIDA	175
657/714	CALIFORNIA	241
660	MISSOURI	508
661	CALIFORNIA	361
662	MISSISSIPPI	1,120
682/817	TEXAS	294
701	NORTH DAKOTA	254
702/725	NEVADA	107
704/980	NORTH CAROLINA	586
706/762	GEORGIA	834
712	IOWA	542
719	COLORADO	377
724/878	PENNSYLVANIA	1,428
727	FLORIDA	96
731	TENNESSEE	499
732/848	NEW JERSEY	679
734	MICHIGAN	510
747/818	CALIFORNIA	305
754/954	FLORIDA	122
757/948	VIRGINIA	414
763	MINNESOTA	69
765	INDIANA	1,030
772	FLORIDA	170
773/872	ILLINOIS	211
775	NEVADA	434
779/815	ILLINOIS	1,463
785	KANSAS	592
787/939	PUERTO RICO	473
802	VERMONT	674
803/839	SOUTH CAROLINA	615
804	VIRGINIA	662
805/820	CALIFORNIA	532
806	TEXAS	373
808	HAWAII	88
810	MICHIGAN	572
812/930	INDIANA	997

NPA	STATE	QUANTITY OF NXXs SAVED BY POOLING
816/975	MISSOURI	510
828	NORTH CAROLINA	583
830	TEXAS	619
831	CALIFORNIA	304
840/909	CALIFORNIA	354
843/854	SOUTH CAROLINA	599
856	NEW JERSEY	508
859	KENTUCKY	335
860/959	CONNECTICUT	681
862/973	NEW JERSEY	712
863	FLORIDA	317
864	SOUTH CAROLINA	584
865	TENNESSEE	339
870	ARKANSAS	816
901	TENNESSEE	118
904	FLORIDA	275
906	MICHIGAN	310
907	ALASKA	52
908	NEW JERSEY	473
912	GEORGIA	374
913	KANSAS	177
914	NEW YORK	441
915	TEXAS	76
919/984	NORTH CAROLINA	450
925	CALIFORNIA	296
928	ARIZONA	419
931	TENNESSEE	517
936	TEXAS	428
940	TEXAS	325
941	FLORIDA	210
949	CALIFORNIA	124
951	CALIFORNIA	337
952	MINNESOTA	35
956	TEXAS	304
970	COLORADO	758
979	TEXAS	370
985	LOUISIANA	480
989	MICHIGAN	925
TOTAL		117,660

**Table A10-2
Sorted by State/NPA**

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
ALABAMA	251	249
ALABAMA	334	545
ALABAMA	205/659	585
ALABAMA	256/938	732
ALASKA	907	52
ARIZONA	520	171
ARIZONA	928	419
ARIZONA	480/602/623	34
ARKANSAS	479	307
ARKANSAS	501	426
ARKANSAS	870	816
CALIFORNIA	530	779
CALIFORNIA	559	491
CALIFORNIA	562	147
CALIFORNIA	626	156
CALIFORNIA	650	248
CALIFORNIA	661	361
CALIFORNIA	831	304
CALIFORNIA	925	296
CALIFORNIA	949	124
CALIFORNIA	951	337
CALIFORNIA	209/350	535
CALIFORNIA	213/323	259
CALIFORNIA	279/916	222
CALIFORNIA	310/424	320
CALIFORNIA	341/510	231
CALIFORNIA	369/707	853
CALIFORNIA	408/669	190
CALIFORNIA	415/628	240
CALIFORNIA	442/760	949
CALIFORNIA	619/858	266
CALIFORNIA	657/714	241
CALIFORNIA	747/818	305

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
CALIFORNIA	805/820	532
CALIFORNIA	840/909	354
COLORADO	719	377
COLORADO	970	758
COLORADO	303/720/983	123
CONNECTICUT	203/475	449
CONNECTICUT	860/959	681
DELAWARE	302	372
DISTRICT OF COLUMBIA	202/771	31
FLORIDA	239	166
FLORIDA	321	78
FLORIDA	352	525
FLORIDA	386	357
FLORIDA	727	96
FLORIDA	772	170
FLORIDA	863	317
FLORIDA	904	275
FLORIDA	941	210
FLORIDA	305/645/786	141
FLORIDA	321/407/689	280
FLORIDA	448/850	443
FLORIDA	561/728	173
FLORIDA	656/813	175
FLORIDA	754/954	122
GEORGIA	229	355
GEORGIA	478	239
GEORGIA	912	374
GEORGIA	404/470/678/943	34
GEORGIA	470/678/770/943	552
GEORGIA	706/762	834
HAWAII	808	88
IDAHO	208/986	558
ILLINOIS	217/447	1,027
ILLINOIS	224/847	695
ILLINOIS	309/861	865

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
ILLINOIS	312/872	33
ILLINOIS	331/630	431
ILLINOIS	464/708	517
ILLINOIS	618/730	1,120
ILLINOIS	773/872	211
ILLINOIS	779/815	1,463
INDIANA	219	444
INDIANA	260	486
INDIANA	574	359
INDIANA	765	1,030
INDIANA	317/463	417
INDIANA	812/930	997
IOWA	319	476
IOWA	515	429
IOWA	563	398
IOWA	641	677
IOWA	712	542
KANSAS	316	153
KANSAS	620	812
KANSAS	785	592
KANSAS	913	177
KENTUCKY	502	371
KENTUCKY	606	512
KENTUCKY	859	335
KENTUCKY	270/364	771
LOUISIANA	225	296
LOUISIANA	318	661
LOUISIANA	337	491
LOUISIANA	504	70
LOUISIANA	985	480
MAINE	207	884
MARYLAND	227/240/301	760
MARYLAND	410/443/667	1,189
MASSACHUSETTS	413	631
MASSACHUSETTS	339/781	603

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
MASSACHUSETTS	351/978	835
MASSACHUSETTS	508/774	1,244
MASSACHUSETTS	617/857	356
MICHIGAN	231	730
MICHIGAN	269	697
MICHIGAN	313	130
MICHIGAN	517	526
MICHIGAN	586	200
MICHIGAN	616	461
MICHIGAN	734	510
MICHIGAN	810	572
MICHIGAN	906	310
MICHIGAN	989	925
MICHIGAN	248/947	380
MINNESOTA	218	557
MINNESOTA	320	511
MINNESOTA	507	688
MINNESOTA	612	28
MINNESOTA	651	127
MINNESOTA	763	69
MINNESOTA	952	35
MISSISSIPPI	228	148
MISSISSIPPI	662	1,120
MISSISSIPPI	601/769	816
MISSOURI	417	643
MISSOURI	573	1,050
MISSOURI	636	438
MISSOURI	660	508
MISSOURI	314/557	102
MISSOURI	816/975	510
MONTANA	406	441
NEBRASKA	308	333
NEBRASKA	402/531	842
NEVADA	775	434
NEVADA	702/725	107

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
NEW HAMPSHIRE	603	802
NEW JERSEY	856	508
NEW JERSEY	908	473
NEW JERSEY	201/551	422
NEW JERSEY	609/640	630
NEW JERSEY	732/848	679
NEW JERSEY	862/973	712
NEW MEXICO	505	189
NEW MEXICO	575	373
NEW YORK	585	709
NEW YORK	607	762
NEW YORK	914	441
NEW YORK	212/332/646/917	45
NEW YORK	315/680	1,182
NEW YORK	329/845	1,181
NEW YORK	347/718/917/929	325
NEW YORK	363/516	232
NEW YORK	518/838	1,286
NEW YORK	624/716	737
NEW YORK	631/934	866
NORTH CAROLINA	252	601
NORTH CAROLINA	828	583
NORTH CAROLINA	336/743	546
NORTH CAROLINA	472/910	630
NORTH CAROLINA	704/980	586
NORTH CAROLINA	919/984	450
NORTH DAKOTA	701	254
OHIO	216	70
OHIO	440	570
OHIO	220/740	1,375
OHIO	234/330	966
OHIO	283/513	260
OHIO	326/937	829
OHIO	380/614	229
OHIO	419/567	1,231

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
OKLAHOMA	580	615
OKLAHOMA	405/572	515
OKLAHOMA	539/918	686
OREGON	458/541	980
OREGON	503/971	463
PENNSYLVANIA	215/267/445	611
PENNSYLVANIA	223/717	994
PENNSYLVANIA	272/570	1,445
PENNSYLVANIA	412/878	364
PENNSYLVANIA	484/610/835	1,188
PENNSYLVANIA	582/814	1,219
PENNSYLVANIA	724/878	1,428
PUERTO RICO	787/939	473
RHODE ISLAND	401	318
SOUTH CAROLINA	864	584
SOUTH CAROLINA	803/839	615
SOUTH CAROLINA	843/854	599
SOUTH DAKOTA	605	305
TENNESSEE	423	526
TENNESSEE	731	499
TENNESSEE	865	339
TENNESSEE	901	118
TENNESSEE	931	517
TENNESSEE	615/629	422
TEXAS	254	537
TEXAS	325	342
TEXAS	361	455
TEXAS	409	290
TEXAS	432	234
TEXAS	806	373
TEXAS	830	619
TEXAS	915	76
TEXAS	936	428
TEXAS	940	325
TEXAS	956	304

STATE	NPA	QUANTITY OF NXXs SAVED BY POOLING
TEXAS	979	370
TEXAS	210/726	37
TEXAS	214/469/945/972	597
TEXAS	281/346/713/832	612
TEXAS	430/903	1,034
TEXAS	512/737	441
TEXAS	682/817	294
UTAH	435	271
UTAH	385/801	264
VERMONT	802	674
VIRGINIA	276	482
VIRGINIA	434	566
VIRGINIA	804	662
VIRGINIA	540/826	823
VIRGINIA	571/703	301
VIRGINIA	757/948	414
WASHINGTON	206	76
WASHINGTON	253	123
WASHINGTON	425	154
WASHINGTON	509	512
WASHINGTON	360/564	464
WEST VIRGINIA	304/681	1,430
WISCONSIN	262	571
WISCONSIN	414	65
WISCONSIN	274/920	906
WISCONSIN	353/608	647
WISCONSIN	534/715	814
WYOMING	307	299
TOTAL		117,660