October 2026 5XX NPA Exhaust Analysis

Introduction

The North American Numbering Plan Administrator (NANPA) projects the exhaust of the non-geographic 5XX NPA resources based on forecast data submitted by service providers via the Numbering Resource Utilization/Forecast (NRUF) Report process and historical assignment information. The following are 5XX NPAs currently in service as of August 31, 2026: 500, 521, 522, 523, 524, 525, 526, 527 528, 529, 532, 533, 538, 542, 544, 566, 577 and 588.

October 2026 5XX NPA Exhaust Projection Assumptions

The following is a list of assumptions NANPA uses in the development of the October 2026 5XX NPA exhaust projection.

1. Average five-year future forecasted demand.
2. Average five-year historical forecasted demand.
3. Average five-year historical assignment information.
4. A new 5XX NPA will be required when the number of assigned and unassignable 5XX-NXX codes reaches 800.
5. Each new 5XX NPA will require the same number of unassignable 5XX-NXX codes as the current 5XX NPA.
6. Quantity of available 5XX-NXX codes as of August 31, 2026, including 5XX NPAs currently reserved for future expansion.[1]

Results Based on Assumptions

Below is the forecasted demand versus the actual assignments from 2022 through 2026.

Year	Annual Forecasted 5XX-NXX Demand	Annual 5XX-NXX Assignments
2022	1,978	1,555
2023	1,982	969
2024	1,327	839
2025	1,270	1,112
2026	1,560	1,370[2]

[1] The 5XX NPAs reserved for future expansion include the following: 535, 543, 545, 546, 547, 549, 550, 552, 553, 554, 556, 558, 569, 578, 589.

[2] Annual 5XX-NXX Assignments for 2026 represent 5XX-NXX assignments through August 31, 2026.

Using an average demand rate of 1,466 non-geographic 5XX-NXXs per year based on the average forecasted demand, prior forecasted demand and historical assignments, the existing and reserved 5XX NPAs is projected to exhaust during the Fourth Quarter 2034.

Sensitivity Analysis

For comparison purposes, NANPA also performed a sensitivity analysis by using the average historical assignment rate of 1,169 non-geographic 5XX-NXXs. This analysis resulted in the existing and reserved 5XX NPAs is projected to exhaust during the Fourth Quarter 2036.