

electronically to *Research Partnerships@hud.gov* or mail to Department of Housing and Urban Development, Office of University Partnerships, 451 7th Street SW., Room 8226, Washington, DC 20410, ATTENTION: Research Partnerships.

B. Content and Form of Proposal Submission. Proposals should contain sufficient information for PD&R to identify whether the research would meet statutory requirements for cost sharing and alignment with the research priorities identified in Section II of this Notice. At a minimum, proposals must include:

1. *Proposal Abstract.* Applicants should provide a Proposal Abstract with the project title, the names and affiliations of all investigators, a summary of the objectives, study design and expected results, and the total funds requested.

2. *Points of Contact.* Applicants should clearly identify the name of the entity(s) submitting the proposal and detailed contact information for the point of contact;

3. *Key Personnel.* Applicants should provide information on key personnel that will be engaged with the project. HUD will assess the qualifications of key personnel to carry out the proposed study as evidenced by academic and professional background, publications, and recent (within the past 5 years) research experience. The proposed Principal Investigator must directly represent and be compensated directly by the applicant for his or her role in the proposed study. Publications and/or research experience are considered relevant if they required the acquisition and use of knowledge and skills that can be applied in the planning and execution of the technical study that is proposed.

4. *Research Proposal Description.* Applicants should provide a clear description of the research project, including the methodology being used, and its alignment with the PD&R research priorities identified. Specific components should include:

a. Clearly and thoroughly describe your proposed study and its design, and identify the major objectives;

b. The study should be presented as a logical sequence of steps or phases with individual tasks described for each phase;

c. Your narrative should reflect the relevant literature, which should be thoroughly cited in your application. Your proposed study will be judged in part on the soundness of the underlying body of research upon which it is based and the clarity and soundness of your

summary and interpretation of this research base;

d. Describe the methodological and statistical basis for your study design and demonstrate that you would have adequate statistical power to test your stated hypotheses and achieve your study objectives;

e. Discuss your plans for data management, analysis, and archiving;

f. You should identify any important “decision points” in your study plan;

g. You should describe/list deliverables and associated timeframes; and

h. You should demonstrate that it is clearly feasible to complete the study within the proposed period of performance and successfully achieve your objectives.

5. *Budget.* Applicants should provide a detailed budget with line items including the amount of the HUD share and the contributions of any partners (cost sharing component) and/or the submitting institution. HUD strongly encourages using form HUD-424CBW to detail your budget request. The form is available at: <https://www.hudexchange.info/resource/304/hud-form-424cbw/>. Proposals for research partnerships that have already been to HUD as part of a grant competition are ineligible as the subject of a non-competitive cooperative agreement.

C. Review and Selection Process.

1. Proposals that meet all the threshold requirements will be eligible for review and rating.

2. Proposals will be reviewed by individuals who are knowledgeable in the field covered by the research proposal.

3. As required by the statutory authority within the appropriations bill, HUD will report each award provided through a cooperative agreement in the Federal Funding Accountability and Transparency Act Sub-award Reporting System created under the Federal Funding Accountability and Transparency Act of 2006.

Dated: June 15, 2017.

Matthew E. Ammon,
General Deputy Assistant Secretary for Policy Development and Research.

[FR Doc. 2017-12948 Filed 6-20-17; 8:45 am]

BILLING CODE 4210-67-P

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

[Docket No. FR-6024-N-01]

Notice of Annual Factors for Determining Public Housing Agency Administrative Fees for the Section 8 Housing Choice Voucher, Mainstream, and Moderate Rehabilitation Programs

AGENCY: Office of the Assistant Secretary for Public and Indian Housing, HUD.

ACTION: Notice.

SUMMARY: This Notice announces the monthly per unit fee rates for use in determining the on-going administrative fees for housing agencies administering the Housing Choice Voucher (HCV), 5 Year Mainstream, and Moderate Rehabilitation programs, including Single Room Occupancy, during calendar year (CY) 2017.

DATES: *Effective Date:* January 1, 2017.

FOR FURTHER INFORMATION CONTACT: Miguel Fontanez, Director, Housing Voucher Financial Management Division, Office of Public Housing and Voucher Programs, Office of Public and Indian Housing, Department of Housing and Urban Development, Room 4222, 451 Seventh Street SW., Washington, DC 20410-8000, telephone number 202-402-2934. (This is not a toll-free number). Hearing or speech impaired individuals may call TTY number 1 (800) 877-8337.

SUPPLEMENTARY INFORMATION:

A. Background

This Notice provides the Department's methodology used to determine the CY 2017 administrative fee rates by area, which the Office of Housing Voucher Programs (OHVP) will use to compensate public housing agencies (PHA) for administering the HCV programs.

B. CY 2017 Methodology

For CY 2017, in accordance with the Consolidated Appropriation Act, 2017 (Pub. L. 115-31), administrative fees will be earned on the basis of vouchers leased as of the first day of each month. This data will be extracted from the Voucher Management System (VMS) at the close of each reporting cycle and validated prior to use.

Two fee rates are provided for each PHA. The first rate, Column A, applies to the first 7200 voucher unit months leased in CY 2017. The second rate, Column B, applies to all remaining voucher unit months leased in CY 2017.

The fee rates established for CY 2017, using the standard procedures, in some

cases resulted in fee rates lower than those established for CY 2016. In those cases, the affected PHAs are being held harmless at the CY 2016 fee rates.

The fee rates for each PHA are generally those rates covering the fee areas in which each PHA has the greatest proportion of its participants, based on Public Housing Information Center (PIC) data submitted by the PHA. In some cases, PHAs have participants in more than one fee area. If such a PHA so chooses, the PHA may request that the Department establish a blended fee rate schedule that will consider proportionately all areas in which participants are located. Once a blended rate schedule is established, it will be used to determine the PHA's fee eligibility for all months in CY 2017. The PHAs were advised via PIH Notice 2017-07, and other electronic communications on June 9 and June 13, 2017, about the terms for applying for blended fee rates and the deadline date for submitting such requests.

PHAs that operate over a large geographic area, defined as multiple counties, may request a higher administrative fee rate if eligible under the circumstance. The PHAs were advised via PIH Notice 2017-07, and via electronic communication on June 13, 2017, about the terms for applying for higher fee rates and the deadline date for submitting such requests. This information will also be described in the CY 2017 funding implementation notice.

Accordingly, the Department issues the monthly per voucher unit fee rates to be used to determine PHA administrative fee eligibility for the programs identified in this Notice. These fee rates are posted on HUD's Web site at: http://portal.hud.gov/hudportal/HUD?src=/program_offices/public_indian_housing/programs/hcv, under Program Related Information.

Any questions concerning this Notice should be directed to the PHA's assigned representative at the Financial Management Center or to the Financial Management Division at PIH.Financial.Management.Division@hud.gov.

C. MTW Agencies

Where an MTW Agency has an alternative formula for calculating HCV Administrative Fees in Attachment A of their MTW Agreements, HUD will continue to calculate the HCV Administrative Fees in accordance with that MTW Agreement provision.

Dated: June 15, 2017.
Jemine A. Bryon,
General Deputy Assistant Secretary for Public and Indian Housing.

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|
| AK901 | \$94.54 | \$88.24 | AR024 | 64.27 | 59.98 |
| AL001 | 63.85 | 59.59 | AR031 | 62.38 | 58.22 |
| AL002 | 64.86 | 60.54 | AR033 | 59.67 | 55.69 |
| AL004 | 63.01 | 58.81 | AR034 | 62.38 | 58.22 |
| AL005 | 65.15 | 60.80 | AR035 | 59.67 | 55.69 |
| AL006 | 63.01 | 58.81 | AR037 | 59.67 | 55.69 |
| AL007 | 63.01 | 58.81 | AR039 | 59.67 | 55.69 |
| AL008 | 62.21 | 58.06 | AR041 | 68.06 | 63.53 |
| AL011 | 62.21 | 58.06 | AR042 | 62.38 | 58.22 |
| AL012 | 63.01 | 58.81 | AR045 | 59.67 | 55.69 |
| AL014 | 62.21 | 58.06 | AR052 | 59.67 | 55.69 |
| AL047 | 64.87 | 60.56 | AR059 | 59.67 | 55.69 |
| AL048 | 63.01 | 58.81 | AR066 | 59.67 | 55.69 |
| AL049 | 63.01 | 58.81 | AR068 | 59.67 | 55.69 |
| AL050 | 63.01 | 58.81 | AR082 | 59.67 | 55.69 |
| AL052 | 62.21 | 58.06 | AR104 | 62.38 | 58.22 |
| AL053 | 62.21 | 58.06 | AR117 | 59.67 | 55.69 |
| AL054 | 63.01 | 58.81 | AR121 | 59.67 | 55.69 |
| AL060 | 62.21 | 58.06 | AR131 | 62.38 | 58.22 |
| AL061 | 63.01 | 58.81 | AR135 | 59.67 | 55.69 |
| AL063 | 63.85 | 59.59 | AR152 | 59.67 | 55.69 |
| AL068 | 63.01 | 58.81 | AR161 | 59.67 | 55.69 |
| AL069 | 63.85 | 59.59 | AR163 | 62.38 | 58.22 |
| AL072 | 63.85 | 59.59 | AR166 | 59.67 | 55.69 |
| AL073 | 62.36 | 58.19 | AR170 | 68.06 | 63.53 |
| AL075 | 62.21 | 58.06 | AR175 | 68.06 | 63.53 |
| AL077 | 63.01 | 58.81 | AR176 | 59.67 | 55.69 |
| AL086 | 63.85 | 59.59 | AR177 | 59.67 | 55.69 |
| AL090 | 62.21 | 58.06 | AR181 | 62.38 | 58.22 |
| AL091 | 62.21 | 58.06 | AR194 | 62.38 | 58.22 |
| AL099 | 62.21 | 58.06 | AR197 | 59.67 | 55.69 |
| AL105 | 62.21 | 58.06 | AR200 | 59.67 | 55.69 |
| AL107 | 62.21 | 58.06 | AR210 | 59.67 | 55.69 |
| AL112 | 62.21 | 58.06 | AR211 | 59.67 | 55.69 |
| AL114 | 62.21 | 58.06 | AR213 | 59.67 | 55.69 |
| AL115 | 62.21 | 58.06 | AR214 | 59.67 | 55.69 |
| AL116 | 62.21 | 58.06 | AR215 | 59.67 | 55.69 |
| AL118 | 62.21 | 58.06 | AR219 | 68.06 | 63.53 |
| AL121 | 62.21 | 58.06 | AR223 | 59.67 | 55.69 |
| AL124 | 62.36 | 58.19 | AR224 | 59.67 | 55.69 |
| AL125 | 63.85 | 59.59 | AR225 | 59.67 | 55.69 |
| AL129 | 63.01 | 58.81 | AR232 | 62.38 | 58.22 |
| AL131 | 63.01 | 58.81 | AR240 | 59.67 | 55.69 |
| AL138 | 63.01 | 58.81 | AR241 | 62.38 | 58.22 |
| AL139 | 63.01 | 58.81 | AR247 | 59.67 | 55.69 |
| AL152 | 63.01 | 58.81 | AR252 | 68.06 | 63.53 |
| AL154 | 62.21 | 58.06 | AR257 | 59.67 | 55.69 |
| AL155 | 62.21 | 58.06 | AR264 | 64.27 | 59.98 |
| AL160 | 62.21 | 58.06 | AR265 | 59.67 | 55.69 |
| AL165 | 65.80 | 61.42 | AR266 | 59.67 | 55.69 |
| AL169 | 64.86 | 60.54 | AZ001 | 68.71 | 64.12 |
| AL171 | 62.21 | 58.06 | AZ003 | 68.71 | 64.12 |
| AL172 | 63.01 | 58.81 | AZ004 | 67.92 | 63.39 |
| AL174 | 62.21 | 58.06 | AZ005 | 68.71 | 64.12 |
| AL177 | 62.21 | 58.06 | AZ006 | 75.12 | 70.12 |
| AL181 | 62.21 | 58.06 | AZ008 | 54.47 | 50.84 |
| AL192 | 62.21 | 58.06 | AZ009 | 68.71 | 64.12 |
| AL202 | 64.86 | 60.54 | AZ010 | 68.71 | 64.12 |
| AR002 | 68.06 | 63.53 | AZ013 | 76.33 | 71.24 |
| AR003 | 62.38 | 58.22 | AZ021 | 68.71 | 64.12 |
| AR004 | 68.06 | 63.53 | AZ023 | 57.39 | 53.57 |
| AR006 | 68.06 | 63.53 | AZ025 | 67.92 | 63.39 |
| AR010 | 59.67 | 55.69 | AZ028 | 68.71 | 64.12 |
| AR012 | 59.67 | 55.69 | AZ031 | 68.71 | 64.12 |
| AR015 | 61.30 | 57.22 | AZ032 | 68.71 | 64.12 |
| AR016 | 59.67 | 55.69 | AZ033 | 67.92 | 63.39 |
| AR017 | 62.38 | 58.22 | AZ034 | 56.45 | 52.68 |
| AR020 | 59.68 | 55.70 | AZ035 | 76.33 | 71.24 |
| | | | AZ037 | 56.45 | 52.68 |
| | | | AZ041 | 75.12 | 70.12 |
| | | | AZ043 | 91.99 | 85.87 |
| | | | AZ045 | 56.44 | 52.68 |
| | | | AZ880 | 68.71 | 64.12 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| AZ901 | 75.12 | 70.12 | CA111 | 117.52 | 109.70 | CT024 | 78.30 | 73.08 |
| C0921 | 72.68 | 67.84 | CA114 | 117.52 | 109.70 | CT026 | 89.13 | 83.18 |
| CA001 | 117.52 | 109.70 | CA116 | 105.08 | 98.06 | CT027 | 94.56 | 88.26 |
| CA002 | 117.52 | 109.70 | CA117 | 117.52 | 109.70 | CT028 | 89.13 | 83.18 |
| CA003 | 117.52 | 109.70 | CA118 | 117.52 | 109.70 | CT029 | 98.24 | 91.69 |
| CA004 | 117.52 | 109.70 | CA119 | 117.52 | 109.70 | CT030 | 94.56 | 88.26 |
| CA005 | 89.25 | 83.30 | CA120 | 117.52 | 109.70 | CT031 | 78.30 | 73.08 |
| CA006 | 81.89 | 76.42 | CA121 | 117.52 | 109.70 | CT032 | 89.13 | 83.18 |
| CA007 | 89.25 | 83.30 | CA123 | 117.52 | 109.70 | CT033 | 89.13 | 83.18 |
| CA008 | 89.56 | 83.59 | CA125 | 102.03 | 95.22 | CT036 | 89.13 | 83.18 |
| CA009 | 93.76 | 87.51 | CA126 | 117.52 | 109.70 | CT038 | 89.13 | 83.18 |
| CA010 | 117.52 | 109.70 | CA128 | 89.25 | 83.30 | CT039 | 89.13 | 83.18 |
| CA011 | 117.52 | 109.70 | CA131 | 102.03 | 95.22 | CT040 | 89.13 | 83.18 |
| CA014 | 117.52 | 109.70 | CA132 | 105.08 | 98.06 | CT041 | 89.13 | 83.18 |
| CA019 | 93.76 | 87.51 | CA136 | 117.52 | 109.70 | CT042 | 98.24 | 91.69 |
| CA021 | 114.76 | 107.09 | CA143 | 85.21 | 79.53 | CT047 | 80.21 | 74.86 |
| CA022 | 93.76 | 87.51 | CA144 | 78.25 | 73.04 | CT048 | 89.13 | 83.18 |
| CA023 | 76.94 | 71.82 | CA149 | 89.25 | 83.30 | CT049 | 89.13 | 83.18 |
| CA024 | 85.64 | 79.94 | CA151 | 89.25 | 83.30 | CT051 | 89.13 | 83.18 |
| CA026 | 86.24 | 80.48 | CA155 | 105.08 | 98.06 | CT052 | 94.56 | 88.26 |
| CA027 | 93.76 | 87.51 | CO001 | 72.68 | 67.84 | CT053 | 89.13 | 83.18 |
| CA028 | 81.89 | 76.42 | CO002 | 67.14 | 62.66 | CT058 | 78.30 | 73.08 |
| CA030 | 76.36 | 71.28 | CO005 | 74.90 | 69.91 | CT061 | 78.30 | 73.08 |
| CA031 | 117.52 | 109.70 | CO006 | 64.12 | 59.84 | CT063 | 98.24 | 91.69 |
| CA032 | 117.52 | 109.70 | CO016 | 82.48 | 76.97 | CT067 | 98.24 | 91.69 |
| CA033 | 101.25 | 94.49 | CO019 | 72.68 | 67.84 | CT068 | 89.13 | 83.18 |
| CA035 | 117.52 | 109.70 | CO024 | 64.12 | 59.84 | CT901 | 89.13 | 83.18 |
| CA039 | 85.21 | 79.53 | CO028 | 67.80 | 63.28 | DC001 | 109.86 | 102.54 |
| CA041 | 102.03 | 95.22 | CO031 | 64.12 | 59.84 | DC880 | 109.86 | 102.54 |
| CA043 | 78.70 | 73.45 | CO034 | 78.15 | 72.95 | DE001 | 87.60 | 81.76 |
| CA044 | 89.25 | 83.30 | CO035 | 67.39 | 62.91 | DE002 | 77.36 | 72.20 |
| CA048 | 67.53 | 63.03 | CO036 | 72.68 | 67.84 | DE003 | 87.60 | 81.76 |
| CA052 | 117.52 | 109.70 | CO040 | 99.01 | 92.42 | DE005 | 87.60 | 81.76 |
| CA053 | 73.91 | 68.98 | CO041 | 78.15 | 72.95 | DE901 | 77.36 | 72.20 |
| CA055 | 102.03 | 95.22 | CO043 | 74.90 | 69.91 | FL001 | 69.40 | 64.77 |
| CA056 | 117.52 | 109.70 | CO045 | 64.12 | 59.84 | FL002 | 73.26 | 68.37 |
| CA058 | 117.52 | 109.70 | CO048 | 72.68 | 67.84 | FL003 | 73.26 | 68.37 |
| CA059 | 117.52 | 109.70 | CO049 | 72.68 | 67.84 | FL004 | 76.52 | 71.41 |
| CA060 | 117.52 | 109.70 | CO050 | 72.68 | 67.84 | FL005 | 99.42 | 92.80 |
| CA061 | 78.25 | 73.04 | CO051 | 85.02 | 79.36 | FL007 | 73.44 | 68.55 |
| CA062 | 117.52 | 109.70 | CO052 | 72.68 | 67.84 | FL008 | 80.41 | 75.05 |
| CA063 | 105.08 | 98.06 | CO057 | 72.68 | 67.84 | FL009 | 77.64 | 72.46 |
| CA064 | 101.74 | 94.95 | CO058 | 72.68 | 67.84 | FL010 | 93.09 | 86.88 |
| CA065 | 102.03 | 95.22 | CO061 | 82.48 | 76.97 | FL011 | 60.98 | 56.91 |
| CA066 | 102.03 | 95.22 | CO070 | 82.48 | 76.97 | FL013 | 102.09 | 95.30 |
| CA067 | 117.52 | 109.70 | CO071 | 67.80 | 63.28 | FL015 | 65.21 | 60.85 |
| CA068 | 117.52 | 109.70 | CO072 | 72.68 | 67.84 | FL017 | 99.42 | 92.80 |
| CA069 | 81.89 | 76.42 | CO079 | 74.90 | 69.91 | FL018 | 59.57 | 55.60 |
| CA070 | 71.62 | 66.84 | CO087 | 99.01 | 92.42 | FL019 | 70.64 | 65.94 |
| CA071 | 117.52 | 109.70 | CO090 | 67.39 | 62.91 | FL020 | 70.64 | 65.94 |
| CA072 | 117.52 | 109.70 | CO095 | 94.68 | 88.37 | FL021 | 77.64 | 72.46 |
| CA073 | 102.03 | 95.22 | CO101 | 64.12 | 59.84 | FL022 | 73.44 | 68.55 |
| CA074 | 117.52 | 109.70 | CO103 | 78.15 | 72.95 | FL023 | 80.41 | 75.05 |
| CA075 | 117.52 | 109.70 | CO888 | 67.14 | 62.66 | FL024 | 73.44 | 68.55 |
| CA076 | 114.76 | 107.09 | CO911 | 72.68 | 67.84 | FL025 | 70.64 | 65.94 |
| CA077 | 105.08 | 98.06 | CT001 | 94.56 | 88.26 | FL026 | 60.98 | 56.91 |
| CA079 | 117.52 | 109.70 | CT002 | 101.36 | 94.61 | FL028 | 93.09 | 86.88 |
| CA082 | 117.52 | 109.70 | CT003 | 89.13 | 83.18 | FL030 | 73.44 | 68.55 |
| CA084 | 84.34 | 78.72 | CT004 | 98.24 | 91.69 | FL031 | 59.38 | 55.42 |
| CA085 | 114.62 | 106.99 | CT005 | 89.13 | 83.18 | FL032 | 60.04 | 56.03 |
| CA086 | 80.61 | 75.23 | CT006 | 80.21 | 74.86 | FL033 | 76.52 | 71.41 |
| CA088 | 114.62 | 106.99 | CT007 | 101.36 | 94.61 | FL034 | 73.26 | 68.37 |
| CA092 | 117.52 | 109.70 | CT008 | 89.13 | 83.18 | FL035 | 59.57 | 55.60 |
| CA093 | 117.52 | 109.70 | CT009 | 89.13 | 83.18 | FL037 | 69.40 | 64.77 |
| CA094 | 117.52 | 109.70 | CT010 | 78.30 | 73.08 | FL041 | 78.05 | 72.85 |
| CA096 | 81.89 | 76.42 | CT011 | 98.24 | 91.69 | FL045 | 78.05 | 72.85 |
| CA102 | 117.52 | 109.70 | CT013 | 89.13 | 83.18 | FL046 | 59.57 | 55.60 |
| CA103 | 117.52 | 109.70 | CT015 | 94.56 | 88.26 | FL047 | 77.02 | 71.90 |
| CA104 | 117.52 | 109.70 | CT017 | 94.56 | 88.26 | FL049 | 59.38 | 55.42 |
| CA105 | 117.52 | 109.70 | CT018 | 87.49 | 81.66 | FL053 | 60.04 | 56.03 |
| CA106 | 81.89 | 76.42 | CT019 | 101.36 | 94.61 | FL057 | 59.38 | 55.42 |
| CA108 | 105.08 | 98.06 | CT020 | 101.36 | 94.61 | FL060 | 75.01 | 70.01 |
| CA110 | 117.52 | 109.70 | CT023 | 89.13 | 83.18 | FL062 | 73.26 | 68.37 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| FL063 | 65.84 | 61.45 | IA030 | 63.16 | 58.95 | IL059 | 58.47 | 54.57 |
| FL066 | 99.42 | 92.80 | IA038 | 73.91 | 68.98 | IL061 | 59.16 | 55.21 |
| FL068 | 99.42 | 92.80 | IA042 | 63.16 | 58.95 | IL074 | 63.72 | 59.46 |
| FL069 | 59.57 | 55.60 | IA045 | 70.55 | 65.85 | IL076 | 58.47 | 54.57 |
| FL070 | 65.84 | 61.45 | IA047 | 63.16 | 58.95 | IL079 | 58.47 | 54.57 |
| FL071 | 60.98 | 56.91 | IA049 | 63.16 | 58.95 | IL082 | 58.47 | 54.57 |
| FL072 | 73.44 | 68.55 | IA050 | 73.91 | 68.98 | IL083 | 67.08 | 62.60 |
| FL073 | 65.21 | 60.85 | IA054 | 63.16 | 58.95 | IL084 | 62.02 | 57.88 |
| FL075 | 73.26 | 68.37 | IA056 | 63.16 | 58.95 | IL085 | 59.69 | 55.72 |
| FL079 | 93.09 | 86.88 | IA057 | 63.16 | 58.95 | IL086 | 62.02 | 57.88 |
| FL080 | 77.64 | 72.46 | IA084 | 63.16 | 58.95 | IL087 | 58.47 | 54.57 |
| FL081 | 93.09 | 86.88 | IA087 | 68.13 | 63.59 | IL088 | 58.47 | 54.57 |
| FL083 | 77.64 | 72.46 | IA098 | 66.55 | 62.12 | IL089 | 74.02 | 69.09 |
| FL092 | 60.04 | 56.03 | IA100 | 63.16 | 58.95 | IL090 | 93.41 | 87.17 |
| FL093 | 76.52 | 71.41 | IA107 | 63.16 | 58.95 | IL091 | 58.47 | 54.57 |
| FL102 | 59.57 | 55.60 | IA108 | 63.16 | 58.95 | IL092 | 93.41 | 87.17 |
| FL104 | 73.26 | 68.37 | IA113 | 73.91 | 68.98 | IL095 | 68.57 | 64.00 |
| FL105 | 80.41 | 75.05 | IA114 | 63.16 | 58.95 | IL096 | 58.47 | 54.57 |
| FL106 | 76.52 | 71.41 | IA117 | 67.39 | 62.90 | IL101 | 93.41 | 87.17 |
| FL109 | 59.38 | 55.42 | IA119 | 63.16 | 58.95 | IL103 | 93.41 | 87.17 |
| FL110 | 59.57 | 55.60 | IA120 | 76.04 | 70.98 | IL104 | 73.76 | 68.84 |
| FL113 | 73.44 | 68.55 | IA122 | 63.16 | 58.95 | IL107 | 93.41 | 87.17 |
| FL116 | 93.09 | 86.88 | IA124 | 63.16 | 58.95 | IL116 | 93.41 | 87.17 |
| FL119 | 77.64 | 72.46 | IA125 | 63.16 | 58.95 | IL117 | 65.60 | 61.23 |
| FL123 | 74.91 | 69.92 | IA126 | 70.55 | 65.85 | IL120 | 58.47 | 54.57 |
| FL128 | 77.02 | 71.90 | IA127 | 63.16 | 58.95 | IL122 | 67.08 | 62.60 |
| FL132 | 77.76 | 72.60 | IA128 | 63.16 | 58.95 | IL123 | 58.47 | 54.57 |
| FL136 | 93.09 | 86.88 | IA129 | 63.16 | 58.95 | IL124 | 73.76 | 68.84 |
| FL137 | 73.26 | 68.37 | IA130 | 63.16 | 58.95 | IL126 | 59.05 | 55.12 |
| FL139 | 60.98 | 56.91 | IA131 | 76.04 | 70.98 | IL130 | 93.41 | 87.17 |
| FL141 | 80.15 | 74.81 | IA132 | 73.91 | 68.98 | IL131 | 70.55 | 65.85 |
| FL144 | 102.09 | 95.30 | IA136 | 63.44 | 59.21 | IL136 | 93.41 | 87.17 |
| FL145 | 99.42 | 92.80 | ID005 | 63.82 | 59.56 | IL137 | 94.21 | 87.92 |
| FL147 | 59.57 | 55.60 | ID013 | 79.30 | 74.02 | IL901 | 93.41 | 87.17 |
| FL201 | 76.52 | 71.41 | ID016 | 79.30 | 74.02 | IN002 | 50.20 | 46.85 |
| FL202 | 59.38 | 55.42 | ID021 | 79.30 | 74.02 | IN003 | 55.64 | 51.94 |
| FL881 | 99.42 | 92.80 | ID901 | 69.01 | 64.42 | IN004 | 51.82 | 48.37 |
| FL888 | 73.26 | 68.37 | IL002 | 93.41 | 87.17 | IN005 | 51.82 | 48.37 |
| GA001 | 65.15 | 60.80 | IL003 | 73.76 | 68.84 | IN006 | 61.51 | 57.41 |
| GA002 | 65.15 | 60.80 | IL004 | 67.22 | 62.73 | IN007 | 54.12 | 50.52 |
| GA004 | 65.15 | 60.80 | IL006 | 65.83 | 61.45 | IN009 | 50.20 | 46.85 |
| GA006 | 79.43 | 74.12 | IL009 | 70.55 | 65.85 | IN010 | 67.92 | 63.40 |
| GA007 | 65.15 | 60.80 | IL010 | 70.55 | 65.85 | IN011 | 67.92 | 63.40 |
| GA009 | 65.15 | 60.80 | IL011 | 59.05 | 55.12 | IN012 | 59.53 | 55.56 |
| GA010 | 79.43 | 74.12 | IL012 | 63.60 | 59.36 | IN015 | 54.76 | 51.11 |
| GA011 | 79.43 | 74.12 | IL014 | 69.94 | 65.28 | IN016 | 53.77 | 50.19 |
| GA023 | 65.15 | 60.80 | IL015 | 63.72 | 59.46 | IN017 | 61.51 | 57.41 |
| GA062 | 65.15 | 60.80 | IL016 | 58.47 | 54.57 | IN018 | 50.20 | 46.85 |
| GA078 | 79.43 | 74.12 | IL018 | 70.55 | 65.85 | IN019 | 53.65 | 50.07 |
| GA095 | 79.43 | 74.12 | IL020 | 70.55 | 65.85 | IN020 | 54.76 | 51.11 |
| GA116 | 79.43 | 74.12 | IL022 | 67.08 | 62.60 | IN021 | 51.82 | 48.37 |
| GA188 | 79.43 | 74.12 | IL024 | 93.41 | 87.17 | IN022 | 55.13 | 51.47 |
| GA228 | 79.43 | 74.12 | IL025 | 93.41 | 87.17 | IN023 | 59.53 | 55.56 |
| GA232 | 79.43 | 74.12 | IL026 | 93.41 | 87.17 | IN025 | 59.53 | 55.56 |
| GA237 | 79.43 | 74.12 | IL028 | 67.22 | 62.73 | IN026 | 53.76 | 50.18 |
| GA264 | 79.43 | 74.12 | IL030 | 63.72 | 59.46 | IN029 | 67.92 | 63.40 |
| GA269 | 79.43 | 74.12 | IL032 | 69.94 | 65.28 | IN031 | 50.20 | 46.85 |
| GA285 | 65.15 | 60.80 | IL034 | 65.83 | 61.45 | IN032 | 51.10 | 47.70 |
| GA901 | 79.43 | 74.12 | IL035 | 69.94 | 65.28 | IN035 | 51.82 | 48.37 |
| GQ901 | 110.80 | 103.42 | IL036 | 59.05 | 55.12 | IN037 | 53.77 | 50.19 |
| HI002 | 104.28 | 97.33 | IL037 | 58.47 | 54.57 | IN041 | 50.20 | 46.85 |
| HI003 | 116.83 | 109.05 | IL038 | 58.47 | 54.57 | IN043 | 50.20 | 46.85 |
| HI004 | 116.84 | 109.06 | IL039 | 63.73 | 59.49 | IN047 | 50.20 | 46.85 |
| HI005 | 117.45 | 109.63 | IL040 | 58.47 | 54.57 | IN048 | 50.20 | 46.85 |
| HI901 | 116.83 | 109.05 | IL042 | 58.47 | 54.57 | IN050 | 50.20 | 46.85 |
| IA002 | 63.16 | 58.95 | IL043 | 58.47 | 54.57 | IN055 | 51.10 | 47.70 |
| IA004 | 66.41 | 61.98 | IL050 | 59.05 | 55.12 | IN056 | 52.55 | 49.04 |
| IA015 | 63.16 | 58.95 | IL051 | 65.60 | 61.23 | IN058 | 56.14 | 52.41 |
| IA018 | 66.63 | 62.18 | IL052 | 58.47 | 54.57 | IN060 | 50.20 | 46.85 |
| IA020 | 76.04 | 70.98 | IL053 | 59.05 | 55.12 | IN062 | 53.89 | 50.31 |
| IA022 | 77.51 | 72.35 | IL054 | 93.41 | 87.17 | IN067 | 50.20 | 46.85 |
| IA023 | 67.39 | 62.90 | IL056 | 93.41 | 87.17 | IN071 | 59.41 | 55.44 |
| IA024 | 73.62 | 68.71 | IL057 | 58.47 | 54.57 | IN073 | 50.20 | 46.85 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| IN077 | 51.10 | 47.70 | KY163 | 53.77 | 50.19 | LA211 | 66.92 | 62.47 |
| IN078 | 52.55 | 49.04 | KY169 | 53.77 | 50.19 | LA212 | 64.69 | 60.38 |
| IN079 | 61.51 | 57.41 | KY171 | 59.53 | 55.56 | LA213 | 69.72 | 65.08 |
| IN080 | 61.51 | 57.41 | KY901 | 65.93 | 61.53 | LA214 | 65.31 | 60.95 |
| IN084 | 50.20 | 46.85 | LA001 | 69.89 | 65.22 | LA215 | 64.69 | 60.38 |
| IN086 | 50.20 | 46.85 | LA002 | 68.42 | 63.87 | LA217 | 64.69 | 60.38 |
| IN091 | 50.20 | 46.85 | LA003 | 75.46 | 70.43 | LA219 | 75.46 | 70.43 |
| IN092 | 50.20 | 46.85 | LA004 | 65.31 | 60.95 | LA220 | 64.69 | 60.38 |
| IN094 | 51.95 | 48.48 | LA005 | 65.31 | 60.95 | LA222 | 64.69 | 60.38 |
| IN100 | 54.76 | 51.11 | LA006 | 65.31 | 60.95 | LA229 | 64.69 | 60.38 |
| IN101 | 53.76 | 50.18 | LA009 | 75.46 | 70.43 | LA230 | 68.42 | 63.87 |
| IN901 | 61.51 | 57.41 | LA012 | 69.89 | 65.22 | LA232 | 64.69 | 60.38 |
| KS001 | 61.94 | 57.81 | LA013 | 69.89 | 65.22 | LA233 | 64.69 | 60.38 |
| KS002 | 57.92 | 54.07 | LA023 | 65.31 | 60.95 | LA238 | 69.89 | 65.22 |
| KS004 | 62.40 | 58.24 | LA024 | 64.69 | 60.38 | LA241 | 64.69 | 60.38 |
| KS006 | 54.75 | 51.10 | LA029 | 65.31 | 60.95 | LA242 | 64.69 | 60.38 |
| KS017 | 54.75 | 51.10 | LA031 | 64.69 | 60.38 | LA246 | 64.69 | 60.38 |
| KS038 | 54.75 | 51.10 | LA032 | 65.31 | 60.95 | LA247 | 64.69 | 60.38 |
| KS041 | 54.75 | 51.10 | LA033 | 64.69 | 60.38 | LA248 | 64.69 | 60.38 |
| KS043 | 61.94 | 57.81 | LA036 | 64.69 | 60.38 | LA253 | 66.92 | 62.47 |
| KS053 | 64.01 | 59.74 | LA037 | 69.72 | 65.08 | LA257 | 64.69 | 60.38 |
| KS062 | 54.75 | 51.10 | LA046 | 65.31 | 60.95 | LA258 | 64.69 | 60.38 |
| KS063 | 54.75 | 51.10 | LA057 | 65.31 | 60.95 | LA266 | 65.31 | 60.95 |
| KS068 | 61.94 | 57.81 | LA063 | 65.31 | 60.95 | LA888 | 68.42 | 63.87 |
| KS073 | 62.40 | 58.24 | LA067 | 64.69 | 60.38 | LA889 | 69.89 | 65.22 |
| KS091 | 54.75 | 51.10 | LA074 | 64.69 | 60.38 | LA903 | 69.89 | 65.22 |
| KS149 | 54.75 | 51.10 | LA075 | 65.31 | 60.95 | MA001 | 112.39 | 104.91 |
| KS159 | 61.94 | 57.81 | LA086 | 64.69 | 60.38 | MA002 | 121.48 | 113.37 |
| KS161 | 54.75 | 51.10 | LA094 | 69.89 | 65.22 | MA003 | 121.48 | 113.37 |
| KS162 | 61.94 | 57.81 | LA097 | 64.69 | 60.38 | MA005 | 112.39 | 104.91 |
| KS165 | 54.75 | 51.10 | LA099 | 65.31 | 60.95 | MA006 | 110.58 | 103.21 |
| KS166 | 54.75 | 51.10 | LA101 | 75.46 | 70.43 | MA007 | 112.39 | 104.91 |
| KS167 | 54.75 | 51.10 | LA103 | 69.89 | 65.22 | MA008 | 112.39 | 104.91 |
| KS168 | 54.75 | 51.10 | LA104 | 65.31 | 60.95 | MA010 | 112.39 | 104.91 |
| KS169 | 62.40 | 58.24 | LA111 | 64.69 | 60.38 | MA012 | 112.39 | 104.91 |
| KS170 | 54.75 | 51.10 | LA114 | 64.69 | 60.38 | MA013 | 121.48 | 113.37 |
| KY001 | 59.53 | 55.56 | LA115 | 64.69 | 60.38 | MA014 | 121.48 | 113.37 |
| KY003 | 54.78 | 51.13 | LA120 | 65.31 | 60.95 | MA015 | 121.48 | 113.37 |
| KY004 | 65.93 | 61.53 | LA122 | 65.31 | 60.95 | MA016 | 121.48 | 113.37 |
| KY007 | 53.77 | 50.19 | LA125 | 64.69 | 60.38 | MA017 | 121.48 | 113.37 |
| KY008 | 53.77 | 50.19 | LA128 | 64.69 | 60.38 | MA018 | 110.58 | 103.21 |
| KY009 | 59.53 | 55.56 | LA129 | 65.31 | 60.95 | MA019 | 121.48 | 113.37 |
| KY011 | 65.10 | 60.76 | LA132 | 64.69 | 60.38 | MA020 | 121.48 | 113.37 |
| KY012 | 53.77 | 50.19 | LA159 | 64.69 | 60.38 | MA022 | 121.48 | 113.37 |
| KY015 | 66.88 | 62.41 | LA163 | 64.69 | 60.38 | MA023 | 121.48 | 113.37 |
| KY017 | 53.77 | 50.19 | LA165 | 65.31 | 60.95 | MA024 | 112.39 | 104.91 |
| KY021 | 53.77 | 50.19 | LA166 | 64.69 | 60.38 | MA025 | 121.48 | 113.37 |
| KY022 | 53.77 | 50.19 | LA168 | 65.31 | 60.95 | MA026 | 112.39 | 104.91 |
| KY026 | 53.77 | 50.19 | LA169 | 64.69 | 60.38 | MA027 | 121.48 | 113.37 |
| KY027 | 53.77 | 50.19 | LA171 | 65.31 | 60.95 | MA028 | 121.48 | 113.37 |
| KY035 | 53.77 | 50.19 | LA172 | 65.31 | 60.95 | MA029 | 112.39 | 104.91 |
| KY040 | 53.77 | 50.19 | LA173 | 65.31 | 60.95 | MA031 | 121.48 | 113.37 |
| KY047 | 53.77 | 50.19 | LA174 | 65.31 | 60.95 | MA032 | 121.48 | 113.37 |
| KY053 | 53.77 | 50.19 | LA178 | 65.31 | 60.95 | MA033 | 121.48 | 113.37 |
| KY056 | 53.77 | 50.19 | LA179 | 65.31 | 60.95 | MA034 | 112.39 | 104.91 |
| KY061 | 65.93 | 61.53 | LA181 | 69.89 | 65.22 | MA035 | 112.39 | 104.91 |
| KY071 | 59.78 | 55.79 | LA182 | 64.69 | 60.38 | MA036 | 121.48 | 113.37 |
| KY086 | 53.77 | 50.19 | LA184 | 68.42 | 63.87 | MA037 | 112.39 | 104.91 |
| KY107 | 53.77 | 50.19 | LA186 | 65.31 | 60.95 | MA039 | 112.39 | 104.91 |
| KY121 | 53.77 | 50.19 | LA187 | 69.89 | 65.22 | MA040 | 121.48 | 113.37 |
| KY132 | 59.55 | 55.58 | LA188 | 64.69 | 60.38 | MA041 | 112.39 | 104.91 |
| KY133 | 66.88 | 62.41 | LA189 | 65.31 | 60.95 | MA042 | 121.48 | 113.37 |
| KY135 | 66.88 | 62.41 | LA190 | 68.42 | 63.87 | MA043 | 112.39 | 104.91 |
| KY136 | 66.88 | 62.41 | LA192 | 64.69 | 60.38 | MA044 | 121.48 | 113.37 |
| KY137 | 53.77 | 50.19 | LA194 | 66.92 | 62.47 | MA045 | 121.48 | 113.37 |
| KY138 | 53.77 | 50.19 | LA195 | 64.69 | 60.38 | MA046 | 121.76 | 113.65 |
| KY140 | 65.93 | 61.53 | LA196 | 65.31 | 60.95 | MA047 | 121.76 | 113.65 |
| KY141 | 53.77 | 50.19 | LA199 | 75.46 | 70.43 | MA048 | 121.48 | 113.37 |
| KY142 | 59.96 | 55.96 | LA202 | 75.46 | 70.43 | MA050 | 112.39 | 104.91 |
| KY150 | 53.77 | 50.19 | LA204 | 75.46 | 70.43 | MA051 | 112.39 | 104.91 |
| KY157 | 53.77 | 50.19 | LA205 | 75.46 | 70.43 | MA053 | 121.48 | 113.37 |
| KY160 | 53.77 | 50.19 | LA206 | 65.31 | 60.95 | MA054 | 121.48 | 113.37 |
| KY161 | 59.96 | 55.96 | LA207 | 65.31 | 60.95 | MA055 | 121.48 | 113.37 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| MA056 | 121.48 | 113.37 | MA880 | 121.48 | 113.37 | MI048 | 65.26 | 60.91 |
| MA057 | 121.48 | 113.37 | MA881 | 112.39 | 104.91 | MI049 | 53.87 | 50.27 |
| MA059 | 121.48 | 113.37 | MA882 | 112.39 | 104.91 | MI050 | 53.87 | 50.27 |
| MA060 | 112.39 | 104.91 | MA883 | 112.39 | 104.91 | MI051 | 65.26 | 60.91 |
| MA061 | 121.48 | 113.37 | MA901 | 121.48 | 113.37 | MI052 | 65.26 | 60.91 |
| MA063 | 121.48 | 113.37 | MD001 | 82.12 | 76.64 | MI055 | 65.26 | 60.91 |
| MA065 | 121.48 | 113.37 | MD002 | 82.12 | 76.64 | MI058 | 62.57 | 58.40 |
| MA066 | 112.39 | 104.91 | MD003 | 109.86 | 102.54 | MI059 | 65.26 | 60.91 |
| MA067 | 121.48 | 113.37 | MD004 | 109.86 | 102.54 | MI060 | 57.78 | 53.92 |
| MA069 | 121.48 | 113.37 | MD006 | 64.42 | 60.11 | MI061 | 58.14 | 54.27 |
| MA070 | 121.48 | 113.37 | MD007 | 109.86 | 102.54 | MI063 | 53.87 | 50.27 |
| MA071 | 121.48 | 113.37 | MD009 | 62.09 | 57.95 | MI064 | 77.76 | 72.57 |
| MA072 | 121.48 | 113.37 | MD013 | 73.88 | 68.94 | MI066 | 61.60 | 57.50 |
| MA073 | 121.48 | 113.37 | MD014 | 73.80 | 68.88 | MI070 | 57.78 | 53.92 |
| MA074 | 121.48 | 113.37 | MD015 | 109.86 | 102.54 | MI073 | 61.60 | 57.50 |
| MA075 | 121.48 | 113.37 | MD016 | 87.60 | 81.76 | MI074 | 58.14 | 54.27 |
| MA076 | 112.39 | 104.91 | MD018 | 82.12 | 76.64 | MI080 | 59.79 | 55.81 |
| MA077 | 112.39 | 104.91 | MD019 | 73.88 | 68.94 | MI084 | 57.78 | 53.92 |
| MA078 | 112.39 | 104.91 | MD021 | 93.15 | 86.94 | MI087 | 57.78 | 53.92 |
| MA079 | 112.39 | 104.91 | MD022 | 109.86 | 102.54 | MI089 | 65.26 | 60.91 |
| MA080 | 112.39 | 104.91 | MD023 | 82.12 | 76.64 | MI093 | 61.60 | 57.50 |
| MA081 | 112.39 | 104.91 | MD024 | 109.86 | 102.54 | MI094 | 53.87 | 50.27 |
| MA082 | 112.39 | 104.91 | MD025 | 82.12 | 76.64 | MI096 | 65.26 | 60.91 |
| MA084 | 112.39 | 104.91 | MD027 | 82.12 | 76.64 | MI097 | 65.26 | 60.91 |
| MA085 | 112.39 | 104.91 | MD028 | 64.42 | 60.11 | MI100 | 65.26 | 60.91 |
| MA086 | 112.39 | 104.91 | MD029 | 87.60 | 81.76 | MI112 | 53.87 | 50.27 |
| MA087 | 112.39 | 104.91 | MD032 | 82.12 | 76.64 | MI115 | 61.60 | 57.50 |
| MA088 | 112.39 | 104.91 | MD033 | 82.12 | 76.64 | MI117 | 53.87 | 50.27 |
| MA089 | 121.48 | 113.37 | MD034 | 82.12 | 76.64 | MI119 | 53.87 | 50.27 |
| MA090 | 121.48 | 113.37 | MD901 | 102.33 | 95.52 | MI120 | 56.89 | 53.10 |
| MA091 | 121.48 | 113.37 | ME001 | 62.92 | 58.73 | MI121 | 58.14 | 54.27 |
| MA092 | 121.48 | 113.37 | ME002 | 62.92 | 58.73 | MI132 | 53.87 | 50.27 |
| MA093 | 121.48 | 113.37 | ME003 | 99.94 | 93.29 | MI139 | 65.26 | 60.91 |
| MA094 | 112.36 | 104.88 | ME004 | 62.92 | 58.73 | MI157 | 65.26 | 60.91 |
| MA095 | 121.76 | 113.65 | ME005 | 71.52 | 66.74 | MI167 | 62.57 | 58.40 |
| MA096 | 112.36 | 104.88 | ME006 | 76.42 | 71.32 | MI168 | 62.57 | 58.40 |
| MA098 | 121.48 | 113.37 | ME007 | 71.52 | 66.74 | MI178 | 53.87 | 50.27 |
| MA099 | 121.48 | 113.37 | ME008 | 66.15 | 61.74 | MI186 | 53.87 | 50.27 |
| MA100 | 112.39 | 104.91 | ME009 | 72.59 | 67.76 | MI194 | 62.57 | 58.40 |
| MA101 | 121.48 | 113.37 | ME011 | 87.93 | 82.06 | MI198 | 61.60 | 57.50 |
| MA105 | 112.39 | 104.91 | ME015 | 99.94 | 93.29 | MI880 | 62.57 | 58.40 |
| MA106 | 112.39 | 104.91 | ME018 | 72.59 | 67.76 | MI901 | 65.26 | 60.91 |
| MA107 | 112.39 | 104.91 | ME019 | 80.10 | 74.74 | MN001 | 85.68 | 79.97 |
| MA108 | 112.39 | 104.91 | ME020 | 99.94 | 93.29 | MN002 | 85.68 | 79.97 |
| MA109 | 121.48 | 113.37 | ME021 | 72.59 | 67.76 | MN003 | 63.38 | 59.15 |
| MA110 | 121.48 | 113.37 | ME025 | 62.92 | 58.73 | MN006 | 58.78 | 54.86 |
| MA111 | 121.48 | 113.37 | ME027 | 64.59 | 60.29 | MN007 | 63.38 | 59.15 |
| MA112 | 121.48 | 113.37 | ME028 | 87.93 | 82.06 | MN008 | 57.97 | 54.10 |
| MA116 | 121.48 | 113.37 | ME030 | 66.15 | 61.74 | MN009 | 57.97 | 54.10 |
| MA117 | 121.48 | 113.37 | ME901 | 61.77 | 57.64 | MN017 | 73.30 | 68.41 |
| MA118 | 121.48 | 113.37 | MI001 | 65.26 | 60.91 | MN018 | 57.97 | 54.10 |
| MA119 | 121.48 | 113.37 | MI003 | 65.26 | 60.91 | MN021 | 71.41 | 66.64 |
| MA121 | 121.48 | 113.37 | MI005 | 65.26 | 60.91 | MN032 | 57.97 | 54.10 |
| MA122 | 112.39 | 104.91 | MI006 | 55.81 | 52.09 | MN034 | 57.97 | 54.10 |
| MA123 | 112.39 | 104.91 | MI008 | 65.26 | 60.91 | MN037 | 58.02 | 54.15 |
| MA125 | 121.48 | 113.37 | MI009 | 56.18 | 52.42 | MN038 | 65.28 | 60.93 |
| MA127 | 112.39 | 104.91 | MI010 | 56.89 | 53.10 | MN049 | 57.97 | 54.10 |
| MA133 | 121.48 | 113.37 | MI019 | 53.87 | 50.27 | MN063 | 63.65 | 59.41 |
| MA134 | 121.48 | 113.37 | MI020 | 53.87 | 50.27 | MN067 | 85.68 | 79.97 |
| MA135 | 121.48 | 113.37 | MI023 | 53.87 | 50.27 | MN073 | 63.38 | 59.15 |
| MA138 | 121.76 | 113.65 | MI027 | 65.26 | 60.91 | MN077 | 63.24 | 59.03 |
| MA139 | 112.39 | 104.91 | MI030 | 53.87 | 50.27 | MN085 | 57.97 | 54.10 |
| MA140 | 121.48 | 113.37 | MI031 | 61.60 | 57.50 | MN090 | 57.97 | 54.10 |
| MA147 | 121.48 | 113.37 | MI032 | 56.89 | 53.10 | MN101 | 57.97 | 54.10 |
| MA154 | 121.48 | 113.37 | MI035 | 58.82 | 54.90 | MN107 | 57.97 | 54.10 |
| MA155 | 121.48 | 113.37 | MI036 | 53.87 | 50.27 | MN128 | 57.97 | 54.10 |
| MA165 | 121.48 | 113.37 | MI037 | 65.26 | 60.91 | MN144 | 85.68 | 79.97 |
| MA170 | 110.58 | 103.21 | MI038 | 56.40 | 52.65 | MN147 | 85.68 | 79.97 |
| MA172 | 112.39 | 104.91 | MI039 | 65.26 | 60.91 | MN151 | 70.94 | 66.23 |
| MA174 | 121.48 | 113.37 | MI040 | 65.26 | 60.91 | MN152 | 85.68 | 79.97 |
| MA180 | 121.76 | 113.65 | MI044 | 65.26 | 60.91 | MN153 | 57.97 | 54.10 |
| MA181 | 121.76 | 113.65 | MI045 | 65.26 | 60.91 | MN154 | 57.97 | 54.10 |
| MA188 | 112.39 | 104.91 | MI047 | 53.87 | 50.27 | MN158 | 71.41 | 66.64 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| MN161 | 60.82 | 56.76 | MO207 | 60.34 | 56.32 | NC137 | 63.01 | 58.81 |
| MN163 | 85.68 | 79.97 | MO209 | 60.34 | 56.32 | NC138 | 59.43 | 55.47 |
| MN164 | 73.30 | 68.41 | MO210 | 61.94 | 57.81 | NC139 | 59.43 | 55.47 |
| MN166 | 57.97 | 54.10 | MO212 | 60.34 | 56.32 | NC140 | 63.01 | 58.81 |
| MN167 | 63.65 | 59.41 | MO213 | 61.94 | 57.81 | NC141 | 59.43 | 55.47 |
| MN168 | 60.82 | 56.76 | MO215 | 60.90 | 56.84 | NC144 | 63.01 | 58.81 |
| MN169 | 57.97 | 54.10 | MO216 | 60.90 | 56.84 | NC145 | 59.43 | 55.47 |
| MN170 | 85.68 | 79.97 | MO217 | 60.34 | 56.32 | NC146 | 59.43 | 55.47 |
| MN171 | 60.33 | 56.30 | MO227 | 63.72 | 59.46 | NC147 | 63.01 | 58.81 |
| MN172 | 65.28 | 60.93 | MS004 | 61.07 | 57.00 | NC149 | 59.43 | 55.47 |
| MN173 | 57.97 | 54.10 | MS005 | 63.40 | 59.17 | NC150 | 59.43 | 55.47 |
| MN174 | 57.97 | 54.10 | MS006 | 61.07 | 57.00 | NC151 | 59.94 | 55.95 |
| MN176 | 57.97 | 54.10 | MS016 | 64.27 | 59.98 | NC152 | 63.01 | 58.81 |
| MN177 | 57.97 | 54.10 | MS019 | 61.07 | 57.00 | NC155 | 59.43 | 55.47 |
| MN178 | 60.82 | 56.76 | MS030 | 61.07 | 57.00 | NC159 | 66.39 | 61.97 |
| MN179 | 57.97 | 54.10 | MS040 | 63.40 | 59.17 | NC160 | 59.43 | 55.47 |
| MN180 | 57.97 | 54.10 | MS057 | 61.07 | 57.00 | NC161 | 59.43 | 55.47 |
| MN182 | 57.97 | 54.10 | MS058 | 74.81 | 69.81 | NC163 | 62.48 | 58.31 |
| MN184 | 85.68 | 79.97 | MS095 | 61.07 | 57.00 | NC164 | 75.28 | 70.26 |
| MN188 | 57.97 | 54.10 | MS103 | 74.81 | 69.81 | NC165 | 59.43 | 55.47 |
| MN190 | 57.97 | 54.10 | MS107 | 61.07 | 57.00 | NC166 | 59.43 | 55.47 |
| MN191 | 57.97 | 54.10 | MS128 | 61.07 | 57.00 | NC167 | 60.54 | 56.51 |
| MN192 | 57.97 | 54.10 | MS301 | 63.40 | 59.17 | NC173 | 63.01 | 58.81 |
| MN193 | 65.14 | 60.80 | MT001 | 81.97 | 76.51 | NC175 | 63.01 | 58.81 |
| MN197 | 57.97 | 54.10 | MT002 | 72.57 | 67.74 | NC901 | 59.43 | 55.47 |
| MN200 | 57.97 | 54.10 | MT003 | 67.71 | 63.19 | ND001 | 73.30 | 68.41 |
| MN203 | 60.82 | 56.76 | MT004 | 78.73 | 73.48 | ND002 | 71.41 | 66.64 |
| MN212 | 85.68 | 79.97 | MT006 | 63.78 | 59.54 | ND003 | 71.41 | 66.64 |
| MN216 | 85.68 | 79.97 | MT015 | 69.11 | 64.49 | ND009 | 71.41 | 66.64 |
| MN219 | 63.65 | 59.41 | MT033 | 73.78 | 68.85 | ND010 | 73.46 | 68.56 |
| MN220 | 63.24 | 59.03 | MT036 | 69.11 | 64.49 | ND011 | 71.41 | 66.64 |
| MN801 | 85.68 | 79.97 | MT901 | 81.97 | 76.51 | ND012 | 71.41 | 66.64 |
| MN802 | 85.68 | 79.97 | NC001 | 63.01 | 58.81 | ND013 | 71.41 | 66.64 |
| MN803 | 85.68 | 79.97 | NC002 | 75.28 | 70.26 | ND014 | 73.30 | 68.41 |
| MO001 | 63.72 | 59.46 | NC003 | 69.04 | 64.43 | ND015 | 71.41 | 66.64 |
| MO002 | 61.94 | 57.81 | NC004 | 59.43 | 55.47 | ND016 | 71.41 | 66.64 |
| MO003 | 60.90 | 56.84 | NC006 | 65.21 | 60.87 | ND017 | 71.41 | 66.64 |
| MO004 | 63.72 | 59.46 | NC007 | 63.01 | 58.81 | ND019 | 71.41 | 66.64 |
| MO006 | 63.72 | 59.46 | NC008 | 69.04 | 64.43 | ND021 | 73.46 | 68.56 |
| MO007 | 60.90 | 56.84 | NC009 | 64.05 | 59.77 | ND022 | 71.41 | 66.64 |
| MO008 | 60.34 | 56.32 | NC011 | 65.21 | 60.87 | ND024 | 71.41 | 66.64 |
| MO009 | 60.90 | 56.84 | NC012 | 65.21 | 60.87 | ND025 | 71.41 | 66.64 |
| MO010 | 60.34 | 56.32 | NC013 | 75.28 | 70.26 | ND026 | 71.41 | 66.64 |
| MO014 | 60.90 | 56.84 | NC014 | 59.43 | 55.47 | ND028 | 71.41 | 66.64 |
| MO016 | 60.34 | 56.32 | NC015 | 63.01 | 58.81 | ND030 | 71.41 | 66.64 |
| MO017 | 61.94 | 57.81 | NC018 | 59.43 | 55.47 | ND031 | 71.41 | 66.64 |
| MO030 | 61.94 | 57.81 | NC019 | 63.01 | 58.81 | ND035 | 71.41 | 66.64 |
| MO037 | 60.34 | 56.32 | NC020 | 59.43 | 55.47 | ND036 | 71.41 | 66.64 |
| MO040 | 60.34 | 56.32 | NC021 | 75.28 | 70.26 | ND037 | 71.41 | 66.64 |
| MO053 | 61.94 | 57.81 | NC022 | 63.01 | 58.81 | ND038 | 71.41 | 66.64 |
| MO058 | 60.90 | 56.84 | NC025 | 59.43 | 55.47 | ND039 | 71.41 | 66.64 |
| MO064 | 60.34 | 56.32 | NC032 | 59.43 | 55.47 | ND040 | 71.41 | 66.64 |
| MO065 | 60.34 | 56.32 | NC035 | 59.99 | 55.99 | ND044 | 71.41 | 66.64 |
| MO072 | 60.34 | 56.32 | NC039 | 62.03 | 57.91 | ND049 | 71.41 | 66.64 |
| MO074 | 60.34 | 56.32 | NC050 | 62.48 | 58.31 | ND052 | 71.41 | 66.64 |
| MO107 | 60.34 | 56.32 | NC056 | 66.39 | 61.97 | ND054 | 71.41 | 66.64 |
| MO129 | 60.34 | 56.32 | NC057 | 69.04 | 64.43 | ND055 | 71.41 | 66.64 |
| MO133 | 60.34 | 56.32 | NC059 | 65.21 | 60.87 | ND057 | 71.41 | 66.64 |
| MO145 | 60.34 | 56.32 | NC065 | 69.04 | 64.43 | ND070 | 71.41 | 66.64 |
| MO149 | 60.34 | 56.32 | NC070 | 65.68 | 61.29 | ND901 | 73.46 | 68.56 |
| MO188 | 60.90 | 56.84 | NC071 | 62.03 | 57.91 | NE001 | 67.39 | 62.90 |
| MO190 | 60.34 | 56.32 | NC072 | 65.40 | 61.04 | NE002 | 66.51 | 62.07 |
| MO192 | 60.34 | 56.32 | NC075 | 59.43 | 55.47 | NE003 | 66.29 | 61.87 |
| MO193 | 61.94 | 57.81 | NC077 | 59.43 | 55.47 | NE004 | 65.64 | 61.27 |
| MO196 | 61.94 | 57.81 | NC081 | 65.21 | 60.87 | NE010 | 65.64 | 61.27 |
| MO197 | 61.94 | 57.81 | NC087 | 63.01 | 58.81 | NE041 | 65.64 | 61.27 |
| MO198 | 60.90 | 56.84 | NC089 | 59.43 | 55.47 | NE078 | 65.64 | 61.27 |
| MO199 | 63.72 | 59.46 | NC098 | 63.01 | 58.81 | NE083 | 65.64 | 61.27 |
| MO200 | 60.34 | 56.32 | NC102 | 65.68 | 61.29 | NE094 | 65.64 | 61.27 |
| MO203 | 60.90 | 56.84 | NC104 | 75.28 | 70.26 | NE100 | 65.64 | 61.27 |
| MO204 | 61.94 | 57.81 | NC118 | 59.43 | 55.47 | NE104 | 65.64 | 61.27 |
| MO205 | 63.72 | 59.46 | NC120 | 75.28 | 70.26 | NE114 | 65.64 | 61.27 |
| MO206 | 60.34 | 56.32 | NC134 | 65.68 | 61.29 | NE120 | 65.64 | 61.27 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| NE123 | 65.64 | 61.27 | NJ063 | 86.83 | 81.04 | NY020 | 76.86 | 71.74 |
| NE141 | 65.64 | 61.27 | NJ065 | 107.08 | 99.94 | NY021 | 68.12 | 63.58 |
| NE143 | 65.64 | 61.27 | NJ066 | 106.81 | 99.67 | NY022 | 76.86 | 71.74 |
| NE150 | 65.64 | 61.27 | NJ067 | 109.38 | 102.10 | NY023 | 110.10 | 102.77 |
| NE153 | 67.39 | 62.90 | NJ068 | 106.81 | 99.67 | NY025 | 76.86 | 71.74 |
| NE157 | 65.64 | 61.27 | NJ070 | 109.38 | 102.10 | NY027 | 70.73 | 66.02 |
| NE174 | 67.39 | 62.90 | NJ071 | 109.38 | 102.10 | NY028 | 76.86 | 71.74 |
| NE175 | 66.63 | 62.18 | NJ073 | 87.60 | 81.76 | NY033 | 76.86 | 71.74 |
| NE179 | 65.64 | 61.27 | NJ074 | 87.60 | 81.76 | NY034 | 64.75 | 60.45 |
| NE180 | 65.64 | 61.27 | NJ075 | 109.38 | 102.10 | NY035 | 110.10 | 102.77 |
| NE181 | 65.64 | 61.27 | NJ077 | 91.16 | 85.09 | NY041 | 80.92 | 75.53 |
| NE182 | 65.64 | 61.27 | NJ081 | 107.08 | 99.94 | NY042 | 110.10 | 102.77 |
| NH001 | 89.58 | 83.60 | NJ083 | 91.16 | 85.09 | NY044 | 80.92 | 75.53 |
| NH002 | 95.17 | 88.82 | NJ084 | 109.38 | 102.10 | NY045 | 86.57 | 80.79 |
| NH003 | 92.76 | 86.58 | NJ086 | 106.81 | 99.67 | NY048 | 55.97 | 52.24 |
| NH004 | 92.76 | 86.58 | NJ088 | 106.81 | 99.67 | NY049 | 98.37 | 91.82 |
| NH005 | 102.26 | 95.43 | NJ089 | 109.38 | 102.10 | NY050 | 110.10 | 102.77 |
| NH006 | 92.76 | 86.58 | NJ090 | 109.38 | 102.10 | NY051 | 98.37 | 91.82 |
| NH007 | 80.54 | 75.17 | NJ092 | 106.81 | 99.67 | NY054 | 75.60 | 70.57 |
| NH008 | 92.76 | 86.58 | NJ095 | 107.08 | 99.94 | NY057 | 110.10 | 102.77 |
| NH009 | 83.14 | 77.59 | NJ097 | 109.38 | 102.10 | NY059 | 64.75 | 60.45 |
| NH010 | 95.56 | 89.19 | NJ099 | 106.81 | 99.67 | NY060 | 71.68 | 66.91 |
| NH011 | 73.30 | 68.42 | NJ102 | 106.81 | 99.67 | NY061 | 64.61 | 60.31 |
| NH012 | 78.08 | 72.88 | NJ105 | 106.81 | 99.67 | NY062 | 98.37 | 91.82 |
| NH013 | 92.76 | 86.58 | NJ106 | 109.38 | 102.10 | NY065 | 65.46 | 61.10 |
| NH014 | 92.76 | 86.58 | NJ108 | 106.81 | 99.67 | NY066 | 65.96 | 61.57 |
| NH015 | 73.30 | 68.42 | NJ109 | 106.81 | 99.67 | NY067 | 62.43 | 58.26 |
| NH016 | 73.30 | 68.42 | NJ110 | 109.38 | 102.10 | NY068 | 61.17 | 57.08 |
| NH022 | 112.39 | 104.91 | NJ112 | 109.38 | 102.10 | NY070 | 66.11 | 61.71 |
| NH888 | 95.17 | 88.82 | NJ113 | 106.81 | 99.67 | NY071 | 73.14 | 68.26 |
| NH901 | 89.58 | 83.60 | NJ114 | 109.38 | 102.10 | NY073 | 72.77 | 67.92 |
| NJ002 | 106.81 | 99.67 | NJ118 | 87.60 | 81.76 | NY077 | 110.10 | 102.77 |
| NJ003 | 106.81 | 99.67 | NJ204 | 87.60 | 81.76 | NY079 | 72.77 | 67.92 |
| NJ004 | 91.16 | 85.09 | NJ212 | 104.94 | 97.94 | NY084 | 95.71 | 89.32 |
| NJ006 | 109.38 | 102.10 | NJ214 | 107.08 | 99.94 | NY085 | 110.10 | 102.77 |
| NJ007 | 107.08 | 99.94 | NJ215 | 87.60 | 81.76 | NY086 | 110.10 | 102.77 |
| NJ008 | 107.08 | 99.94 | NJ880 | 107.08 | 99.94 | NY087 | 60.15 | 56.14 |
| NJ009 | 91.16 | 85.09 | NJ881 | 109.38 | 102.10 | NY088 | 110.10 | 102.77 |
| NJ010 | 87.60 | 81.76 | NJ882 | 106.81 | 99.67 | NY089 | 80.92 | 75.53 |
| NJ011 | 109.38 | 102.10 | NJ902 | 104.94 | 97.94 | NY091 | 66.11 | 61.71 |
| NJ012 | 91.16 | 85.09 | NJ912 | 106.81 | 99.67 | NY094 | 110.10 | 102.77 |
| NJ013 | 109.38 | 102.10 | NM001 | 75.73 | 70.68 | NY098 | 71.68 | 66.91 |
| NJ014 | 90.32 | 84.31 | NM002 | 58.68 | 54.77 | NY102 | 70.73 | 66.02 |
| NJ015 | 91.16 | 85.09 | NM003 | 60.10 | 56.09 | NY103 | 86.57 | 80.79 |
| NJ021 | 109.38 | 102.10 | NM006 | 75.82 | 70.76 | NY107 | 70.73 | 66.02 |
| NJ022 | 109.38 | 102.10 | NM009 | 89.62 | 83.63 | NY109 | 64.75 | 60.45 |
| NJ023 | 106.81 | 99.67 | NM020 | 59.37 | 55.41 | NY110 | 95.71 | 89.32 |
| NJ025 | 106.81 | 99.67 | NM030 | 58.68 | 54.77 | NY111 | 110.10 | 102.77 |
| NJ026 | 91.16 | 85.09 | NM033 | 58.68 | 54.77 | NY113 | 110.10 | 102.77 |
| NJ030 | 91.16 | 85.09 | NM039 | 58.68 | 54.77 | NY114 | 95.71 | 89.32 |
| NJ032 | 106.81 | 99.67 | NM050 | 89.62 | 83.63 | NY117 | 110.10 | 102.77 |
| NJ033 | 109.38 | 102.10 | NM057 | 75.73 | 70.68 | NY120 | 110.10 | 102.77 |
| NJ035 | 109.38 | 102.10 | NM061 | 58.68 | 54.77 | NY121 | 110.10 | 102.77 |
| NJ036 | 91.16 | 85.09 | NM063 | 59.37 | 55.41 | NY123 | 110.10 | 102.77 |
| NJ037 | 106.81 | 99.67 | NM066 | 74.52 | 69.55 | NY125 | 98.37 | 91.82 |
| NJ039 | 106.81 | 99.67 | NM067 | 58.68 | 54.77 | NY127 | 110.10 | 102.77 |
| NJ042 | 109.38 | 102.10 | NM077 | 75.73 | 70.68 | NY128 | 110.10 | 102.77 |
| NJ043 | 109.38 | 102.10 | NM088 | 62.57 | 58.40 | NY130 | 110.10 | 102.77 |
| NJ044 | 109.38 | 102.10 | NV001 | 78.96 | 73.70 | NY132 | 110.10 | 102.77 |
| NJ046 | 107.08 | 99.94 | NV018 | 88.70 | 82.79 | NY134 | 98.37 | 91.82 |
| NJ047 | 109.38 | 102.10 | NV905 | 78.96 | 73.70 | NY137 | 98.37 | 91.82 |
| NJ048 | 107.08 | 99.94 | NY001 | 70.73 | 66.02 | NY138 | 95.71 | 89.32 |
| NJ049 | 86.83 | 81.04 | NY002 | 66.11 | 61.71 | NY141 | 110.10 | 102.77 |
| NJ050 | 106.81 | 99.67 | NY003 | 110.10 | 102.77 | NY146 | 110.10 | 102.77 |
| NJ051 | 87.60 | 81.76 | NY005 | 95.71 | 89.32 | NY147 | 110.10 | 102.77 |
| NJ052 | 106.81 | 99.67 | NY006 | 64.75 | 60.45 | NY148 | 95.71 | 89.32 |
| NJ054 | 107.08 | 99.94 | NY009 | 76.86 | 71.74 | NY149 | 110.10 | 102.77 |
| NJ055 | 109.38 | 102.10 | NY012 | 76.86 | 71.74 | NY151 | 110.10 | 102.77 |
| NJ056 | 107.08 | 99.94 | NY015 | 76.86 | 71.74 | NY152 | 110.10 | 102.77 |
| NJ058 | 87.60 | 81.76 | NY016 | 67.07 | 62.60 | NY154 | 110.10 | 102.77 |
| NJ059 | 90.32 | 84.31 | NY017 | 59.01 | 55.07 | NY155 | 110.10 | 102.77 |
| NJ060 | 107.08 | 99.94 | NY018 | 62.55 | 58.38 | NY158 | 98.37 | 91.82 |
| NJ061 | 86.83 | 81.04 | NY019 | 64.75 | 60.45 | NY159 | 110.10 | 102.77 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| NY160 | 95.71 | 89.32 | OH022 | 61.01 | 56.94 | OK139 | 62.72 | 58.54 |
| NY165 | 110.10 | 102.77 | OH024 | 56.65 | 52.87 | OK142 | 61.01 | 56.95 |
| NY176 | 110.10 | 102.77 | OH025 | 69.07 | 64.45 | OK146 | 59.92 | 55.93 |
| NY402 | 68.30 | 63.74 | OH026 | 57.58 | 53.74 | OK148 | 61.60 | 57.50 |
| NY403 | 55.71 | 52.00 | OH027 | 69.07 | 64.45 | OK901 | 62.72 | 58.54 |
| NY404 | 66.11 | 61.71 | OH028 | 60.32 | 56.30 | OR001 | 78.11 | 72.89 |
| NY405 | 66.11 | 61.71 | OH029 | 66.85 | 62.38 | OR002 | 78.11 | 72.89 |
| NY406 | 80.92 | 75.53 | OH030 | 56.65 | 52.87 | OR003 | 80.82 | 75.44 |
| NY408 | 76.86 | 71.74 | OH031 | 67.94 | 63.41 | OR005 | 75.22 | 70.21 |
| NY409 | 66.11 | 61.71 | OH032 | 57.28 | 53.46 | OR006 | 89.76 | 83.78 |
| NY413 | 71.68 | 66.91 | OH033 | 56.65 | 52.87 | OR007 | 77.33 | 72.17 |
| NY416 | 76.86 | 71.74 | OH034 | 57.28 | 53.46 | OR008 | 83.86 | 78.27 |
| NY417 | 64.75 | 60.45 | OH035 | 56.65 | 52.87 | OR011 | 83.86 | 78.27 |
| NY421 | 76.86 | 71.74 | OH036 | 56.91 | 53.12 | OR014 | 83.86 | 78.27 |
| NY422 | 76.86 | 71.74 | OH037 | 56.65 | 52.87 | OR015 | 89.17 | 83.23 |
| NY424 | 76.86 | 71.74 | OH038 | 66.88 | 62.41 | OR016 | 78.11 | 72.89 |
| NY427 | 76.86 | 71.74 | OH039 | 56.65 | 52.87 | OR017 | 73.82 | 68.90 |
| NY428 | 76.86 | 71.74 | OH040 | 56.65 | 52.87 | OR019 | 79.29 | 74.00 |
| NY430 | 76.86 | 71.74 | OH041 | 56.65 | 52.87 | OR020 | 80.82 | 75.44 |
| NY431 | 76.86 | 71.74 | OH042 | 69.07 | 64.45 | OR022 | 78.11 | 72.89 |
| NY433 | 55.97 | 52.24 | OH043 | 65.51 | 61.14 | OR026 | 81.81 | 76.36 |
| NY443 | 64.75 | 60.45 | OH044 | 59.49 | 55.52 | OR027 | 73.82 | 68.90 |
| NY447 | 76.86 | 71.74 | OH045 | 56.65 | 52.87 | OR028 | 78.11 | 72.89 |
| NY449 | 66.11 | 61.71 | OH046 | 56.65 | 52.87 | OR031 | 81.24 | 75.84 |
| NY501 | 76.86 | 71.74 | OH047 | 56.65 | 52.87 | OR032 | 77.33 | 72.17 |
| NY503 | 76.86 | 71.74 | OH049 | 66.88 | 62.41 | OR034 | 86.22 | 80.47 |
| NY504 | 70.73 | 66.02 | OH050 | 56.65 | 52.87 | PA001 | 61.13 | 57.06 |
| NY505 | 67.07 | 62.60 | OH053 | 56.65 | 52.87 | PA002 | 87.60 | 81.76 |
| NY512 | 76.86 | 71.74 | OH054 | 59.03 | 55.10 | PA003 | 59.27 | 55.32 |
| NY513 | 76.86 | 71.74 | OH056 | 56.65 | 52.87 | PA004 | 74.61 | 69.62 |
| NY516 | 76.86 | 71.74 | OH058 | 56.65 | 52.87 | PA005 | 61.13 | 57.06 |
| NY519 | 76.86 | 71.74 | OH059 | 65.51 | 61.14 | PA006 | 61.13 | 57.06 |
| NY521 | 70.73 | 66.02 | OH060 | 56.65 | 52.87 | PA007 | 87.60 | 81.76 |
| NY522 | 60.15 | 56.14 | OH061 | 57.95 | 54.09 | PA008 | 76.35 | 71.26 |
| NY527 | 70.73 | 66.02 | OH062 | 61.01 | 56.94 | PA009 | 72.76 | 67.90 |
| NY529 | 86.57 | 80.79 | OH063 | 56.65 | 52.87 | PA010 | 61.13 | 57.06 |
| NY530 | 71.68 | 66.91 | OH066 | 56.65 | 52.87 | PA011 | 74.61 | 69.62 |
| NY532 | 76.86 | 71.74 | OH067 | 56.65 | 52.87 | PA012 | 87.60 | 81.76 |
| NY534 | 64.75 | 60.45 | OH069 | 56.65 | 52.87 | PA013 | 74.22 | 69.27 |
| NY535 | 76.86 | 71.74 | OH070 | 65.51 | 61.14 | PA014 | 61.13 | 57.06 |
| NY538 | 76.86 | 71.74 | OH071 | 68.65 | 64.07 | PA015 | 61.13 | 57.06 |
| NY541 | 61.17 | 57.08 | OH072 | 56.65 | 52.87 | PA016 | 67.21 | 62.73 |
| NY552 | 64.75 | 60.45 | OH073 | 69.07 | 64.45 | PA017 | 61.13 | 57.06 |
| NY557 | 76.86 | 71.74 | OH074 | 58.24 | 54.35 | PA018 | 61.13 | 57.06 |
| NY561 | 76.86 | 71.74 | OH075 | 56.65 | 52.87 | PA019 | 62.74 | 58.55 |
| NY562 | 76.86 | 71.74 | OH076 | 56.65 | 52.87 | PA020 | 68.88 | 64.29 |
| NY564 | 76.86 | 71.74 | OH077 | 56.65 | 52.87 | PA021 | 62.74 | 58.55 |
| NY630 | 76.86 | 71.74 | OH078 | 56.65 | 52.87 | PA022 | 70.09 | 65.41 |
| NY888 | 110.10 | 102.77 | OH079 | 65.51 | 61.14 | PA023 | 87.60 | 81.76 |
| NY889 | 59.01 | 55.07 | OH080 | 58.03 | 54.16 | PA024 | 74.61 | 69.62 |
| NY891 | 110.10 | 102.77 | OH081 | 58.53 | 54.63 | PA026 | 61.71 | 57.59 |
| NY892 | 110.10 | 102.77 | OH082 | 56.79 | 53.00 | PA027 | 58.48 | 54.57 |
| NY895 | 110.10 | 102.77 | OH083 | 65.51 | 61.14 | PA028 | 79.57 | 74.27 |
| NY904 | 110.10 | 102.77 | OH085 | 68.65 | 64.07 | PA029 | 63.18 | 58.97 |
| NY912 | 66.11 | 61.71 | OH086 | 56.65 | 52.87 | PA030 | 59.27 | 55.32 |
| OH001 | 65.51 | 61.14 | OH880 | 69.07 | 64.45 | PA031 | 64.61 | 60.30 |
| OH002 | 59.49 | 55.52 | OH882 | 69.07 | 64.45 | PA032 | 62.35 | 58.19 |
| OH003 | 69.07 | 64.45 | OK002 | 62.72 | 58.54 | PA033 | 61.71 | 57.59 |
| OH004 | 66.88 | 62.41 | OK005 | 61.01 | 56.95 | PA034 | 66.66 | 62.21 |
| OH005 | 61.01 | 56.94 | OK006 | 59.92 | 55.93 | PA035 | 76.35 | 71.26 |
| OH006 | 68.65 | 64.07 | OK024 | 59.92 | 55.93 | PA036 | 77.54 | 72.38 |
| OH007 | 67.94 | 63.41 | OK027 | 59.92 | 55.93 | PA037 | 67.21 | 62.73 |
| OH008 | 59.49 | 55.52 | OK032 | 59.92 | 55.93 | PA038 | 59.27 | 55.32 |
| OH009 | 56.65 | 52.87 | OK033 | 61.01 | 56.95 | PA039 | 71.81 | 67.03 |
| OH010 | 56.65 | 52.87 | OK044 | 59.92 | 55.93 | PA041 | 61.56 | 57.46 |
| OH012 | 69.07 | 64.45 | OK062 | 59.92 | 55.93 | PA042 | 59.27 | 55.32 |
| OH014 | 59.90 | 55.90 | OK067 | 59.92 | 55.93 | PA043 | 59.27 | 55.32 |
| OH015 | 66.88 | 62.41 | OK073 | 61.01 | 56.95 | PA044 | 59.27 | 55.32 |
| OH016 | 58.53 | 54.63 | OK095 | 61.60 | 57.50 | PA045 | 62.25 | 58.09 |
| OH018 | 58.53 | 54.63 | OK096 | 59.92 | 55.93 | PA046 | 87.60 | 81.76 |
| OH019 | 59.96 | 55.96 | OK099 | 59.92 | 55.93 | PA047 | 59.27 | 55.32 |
| OH020 | 57.20 | 53.39 | OK111 | 59.92 | 55.93 | PA048 | 72.32 | 67.50 |
| OH021 | 61.01 | 56.94 | OK118 | 59.92 | 55.93 | PA050 | 60.08 | 56.08 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| PA051 | 87.60 | 81.76 | RQ014 | 79.49 | 74.19 | SC005 | 62.61 | 58.43 |
| PA052 | 76.35 | 71.26 | RQ015 | 79.49 | 74.19 | SC007 | 65.15 | 60.80 |
| PA053 | 62.25 | 58.09 | RQ016 | 79.49 | 74.19 | SC008 | 62.61 | 58.43 |
| PA054 | 60.90 | 56.83 | RQ017 | 73.96 | 69.03 | SC015 | 61.59 | 57.48 |
| PA055 | 62.25 | 58.09 | RQ018 | 73.96 | 69.03 | SC016 | 62.61 | 58.43 |
| PA056 | 59.56 | 55.58 | RQ019 | 79.49 | 74.19 | SC018 | 62.61 | 58.43 |
| PA057 | 59.27 | 55.32 | RQ020 | 81.22 | 75.81 | SC019 | 62.61 | 58.43 |
| PA058 | 61.71 | 57.59 | RQ021 | 79.49 | 74.19 | SC020 | 62.61 | 58.43 |
| PA059 | 59.56 | 55.58 | RQ022 | 79.49 | 74.19 | SC021 | 61.59 | 57.48 |
| PA060 | 62.25 | 58.09 | RQ023 | 79.49 | 74.19 | SC022 | 69.04 | 64.43 |
| PA061 | 62.25 | 58.09 | RQ024 | 79.49 | 74.19 | SC023 | 62.61 | 58.43 |
| PA063 | 62.25 | 58.09 | RQ025 | 79.49 | 74.19 | SC024 | 67.85 | 63.33 |
| PA064 | 60.08 | 56.08 | RQ026 | 73.96 | 69.03 | SC025 | 62.61 | 58.43 |
| PA065 | 62.25 | 58.09 | RQ027 | 79.49 | 74.19 | SC026 | 63.89 | 59.62 |
| PA067 | 74.61 | 69.62 | RQ028 | 79.49 | 74.19 | SC027 | 62.61 | 58.43 |
| PA068 | 60.08 | 56.08 | RQ029 | 73.96 | 69.03 | SC028 | 61.59 | 57.48 |
| PA069 | 64.61 | 60.30 | RQ030 | 73.96 | 69.03 | SC029 | 62.61 | 58.43 |
| PA071 | 72.76 | 67.90 | RQ031 | 73.96 | 69.03 | SC030 | 61.59 | 57.48 |
| PA073 | 59.27 | 55.32 | RQ032 | 79.49 | 74.19 | SC031 | 61.59 | 57.48 |
| PA074 | 60.08 | 56.08 | RQ033 | 73.96 | 69.03 | SC032 | 62.61 | 58.43 |
| PA075 | 76.35 | 71.26 | RQ034 | 79.49 | 74.19 | SC033 | 61.59 | 57.48 |
| PA076 | 74.61 | 69.62 | RQ035 | 73.96 | 69.03 | SC034 | 62.61 | 58.43 |
| PA077 | 60.90 | 56.83 | RQ036 | 79.49 | 74.19 | SC035 | 61.59 | 57.48 |
| PA078 | 96.71 | 90.27 | RQ037 | 73.96 | 69.03 | SC036 | 69.04 | 64.43 |
| PA079 | 61.71 | 57.59 | RQ038 | 79.49 | 74.19 | SC037 | 62.61 | 58.43 |
| PA080 | 60.90 | 56.83 | RQ039 | 81.22 | 75.81 | SC046 | 69.04 | 64.43 |
| PA081 | 74.61 | 69.62 | RQ040 | 81.22 | 75.81 | SC056 | 67.85 | 63.33 |
| PA082 | 70.44 | 65.74 | RQ041 | 73.96 | 69.03 | SC057 | 67.85 | 63.33 |
| PA083 | 59.78 | 55.80 | RQ042 | 73.96 | 69.03 | SC059 | 61.59 | 57.48 |
| PA085 | 58.48 | 54.57 | RQ043 | 73.96 | 69.03 | SC911 | 68.59 | 64.01 |
| PA086 | 59.56 | 55.58 | RQ044 | 79.49 | 74.19 | SD010 | 64.67 | 60.35 |
| PA087 | 74.22 | 69.27 | RQ045 | 79.49 | 74.19 | SD011 | 61.82 | 57.69 |
| PA088 | 83.17 | 77.62 | RQ046 | 73.96 | 69.03 | SD014 | 61.82 | 57.69 |
| PA089 | 59.56 | 55.58 | RQ047 | 79.49 | 74.19 | SD016 | 64.67 | 60.35 |
| PA090 | 77.54 | 72.38 | RQ048 | 73.96 | 69.03 | SD021 | 61.82 | 57.69 |
| PA091 | 70.70 | 65.98 | RQ049 | 79.49 | 74.19 | SD026 | 61.82 | 57.69 |
| PA092 | 60.22 | 56.21 | RQ050 | 79.49 | 74.19 | SD034 | 61.82 | 57.69 |
| PA889 | 87.60 | 81.76 | RQ052 | 73.96 | 69.03 | SD035 | 67.17 | 62.68 |
| RI001 | 110.58 | 103.21 | RQ053 | 79.49 | 74.19 | SD036 | 61.82 | 57.69 |
| RI002 | 110.58 | 103.21 | RQ054 | 79.49 | 74.19 | SD037 | 61.82 | 57.69 |
| RI003 | 110.58 | 103.21 | RQ055 | 73.96 | 69.03 | SD039 | 64.67 | 60.35 |
| RI004 | 110.58 | 103.21 | RQ056 | 79.49 | 74.19 | SD043 | 61.82 | 57.69 |
| RI005 | 105.64 | 98.59 | RQ057 | 73.96 | 69.03 | SD045 | 61.82 | 57.69 |
| RI006 | 110.58 | 103.21 | RQ058 | 73.96 | 69.03 | SD047 | 61.82 | 57.69 |
| RI007 | 110.58 | 103.21 | RQ059 | 73.96 | 69.03 | SD048 | 61.82 | 57.69 |
| RI008 | 96.15 | 89.74 | RQ060 | 73.96 | 69.03 | SD055 | 61.82 | 57.69 |
| RI009 | 110.58 | 103.21 | RQ061 | 73.96 | 69.03 | SD056 | 61.82 | 57.69 |
| RI010 | 110.58 | 103.21 | RQ062 | 73.96 | 69.03 | SD057 | 61.82 | 57.69 |
| RI011 | 110.58 | 103.21 | RQ063 | 79.49 | 74.19 | SD058 | 61.82 | 57.69 |
| RI012 | 110.58 | 103.21 | RQ064 | 79.49 | 74.19 | SD059 | 61.82 | 57.69 |
| RI013 | 105.64 | 98.59 | RQ065 | 73.96 | 69.03 | TN001 | 64.27 | 59.98 |
| RI014 | 110.58 | 103.21 | RQ066 | 73.96 | 69.03 | TN002 | 59.59 | 55.62 |
| RI015 | 110.58 | 103.21 | RQ067 | 73.96 | 69.03 | TN003 | 59.95 | 55.96 |
| RI016 | 110.58 | 103.21 | RQ068 | 73.96 | 69.03 | TN004 | 65.15 | 60.80 |
| RI017 | 110.58 | 103.21 | RQ069 | 73.96 | 69.03 | TN005 | 71.22 | 66.47 |
| RI018 | 110.58 | 103.21 | RQ070 | 79.49 | 74.19 | TN006 | 59.59 | 55.62 |
| RI019 | 110.58 | 103.21 | RQ071 | 73.96 | 69.03 | TN007 | 59.59 | 55.62 |
| RI020 | 110.58 | 103.21 | RQ072 | 79.49 | 74.19 | TN012 | 59.59 | 55.96 |
| RI022 | 110.58 | 103.21 | RQ073 | 73.96 | 69.03 | TN013 | 58.50 | 54.60 |
| RI024 | 110.58 | 103.21 | RQ074 | 73.96 | 69.03 | TN020 | 71.22 | 66.47 |
| RI026 | 110.58 | 103.21 | RQ075 | 79.49 | 74.19 | TN024 | 58.50 | 54.60 |
| RI027 | 110.58 | 103.21 | RQ076 | 73.96 | 69.03 | TN026 | 58.50 | 54.60 |
| RI028 | 110.58 | 103.21 | RQ077 | 79.49 | 74.19 | TN035 | 71.22 | 66.47 |
| RI029 | 110.58 | 103.21 | RQ080 | 73.96 | 69.03 | TN038 | 59.59 | 55.62 |
| RI901 | 110.58 | 103.21 | RQ081 | 79.49 | 74.19 | TN042 | 58.50 | 54.60 |
| RQ006 | 79.49 | 74.19 | RQ082 | 79.49 | 74.19 | TN054 | 59.59 | 55.62 |
| RQ007 | 73.96 | 69.03 | RQ083 | 79.49 | 74.19 | TN062 | 58.50 | 54.60 |
| RQ008 | 79.49 | 74.19 | RQ901 | 79.49 | 74.19 | TN065 | 59.95 | 55.96 |
| RQ009 | 73.96 | 69.03 | RQ911 | 79.49 | 74.19 | TN066 | 59.59 | 55.62 |
| RQ010 | 73.96 | 69.03 | SC001 | 67.85 | 63.33 | TN076 | 59.59 | 55.62 |
| RQ011 | 79.49 | 74.19 | SC002 | 68.59 | 64.01 | TN079 | 71.22 | 66.47 |
| RQ012 | 73.96 | 69.03 | SC003 | 62.61 | 58.43 | TN088 | 59.95 | 55.96 |
| RQ013 | 79.49 | 74.19 | SC004 | 62.61 | 58.43 | TN113 | 59.95 | 55.96 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|-------|---------------|---------------|
| TN117 | 65.15 | 60.80 | TX208 | 61.30 | 57.22 | TX497 | 61.46 | 57.35 |
| TN903 | 71.22 | 66.47 | TX210 | 61.30 | 57.22 | TX498 | 62.74 | 58.55 |
| TQ901 | 116.83 | 109.05 | TX217 | 59.15 | 55.21 | TX499 | 61.30 | 57.22 |
| TX001 | 79.75 | 74.44 | TX224 | 61.46 | 57.35 | TX500 | 59.15 | 55.21 |
| TX003 | 67.76 | 63.23 | TX236 | 61.30 | 57.22 | TX505 | 72.34 | 67.53 |
| TX004 | 76.20 | 71.12 | TX242 | 59.15 | 55.21 | TX509 | 62.16 | 58.02 |
| TX005 | 72.34 | 67.53 | TX257 | 61.30 | 57.22 | TX511 | 59.15 | 55.21 |
| TX006 | 70.11 | 65.45 | TX259 | 79.75 | 74.44 | TX512 | 59.15 | 55.21 |
| TX007 | 62.16 | 58.02 | TX263 | 59.15 | 55.21 | TX514 | 61.30 | 57.22 |
| TX008 | 71.48 | 66.71 | TX264 | 79.75 | 74.44 | TX516 | 59.15 | 55.21 |
| TX009 | 81.78 | 76.33 | TX266 | 79.75 | 74.44 | TX519 | 59.15 | 55.21 |
| TX010 | 61.30 | 57.22 | TX272 | 59.15 | 55.21 | TX522 | 81.78 | 76.33 |
| TX011 | 61.30 | 57.22 | TX284 | 59.15 | 55.21 | TX523 | 62.74 | 58.55 |
| TX012 | 72.34 | 67.53 | TX298 | 59.15 | 55.21 | TX526 | 81.93 | 76.47 |
| TX014 | 61.30 | 57.22 | TX300 | 59.15 | 55.21 | TX530 | 72.34 | 67.53 |
| TX016 | 59.15 | 55.21 | TX302 | 71.48 | 66.71 | TX533 | 81.78 | 76.33 |
| TX017 | 72.34 | 67.53 | TX303 | 70.11 | 65.45 | TX534 | 78.78 | 73.53 |
| TX018 | 61.30 | 57.22 | TX309 | 59.15 | 55.21 | TX535 | 59.15 | 55.21 |
| TX019 | 59.15 | 55.21 | TX313 | 71.48 | 66.71 | TX537 | 59.15 | 55.21 |
| TX021 | 59.15 | 55.21 | TX322 | 79.75 | 74.44 | TX542 | 61.30 | 57.22 |
| TX023 | 70.05 | 65.37 | TX327 | 61.30 | 57.22 | TX546 | 61.30 | 57.22 |
| TX025 | 62.16 | 58.02 | TX330 | 59.15 | 55.21 | TX559 | 81.78 | 76.33 |
| TX027 | 81.78 | 76.33 | TX332 | 59.15 | 55.21 | TX560 | 72.34 | 67.53 |
| TX028 | 61.46 | 57.35 | TX335 | 59.15 | 55.21 | TX901 | 72.34 | 67.53 |
| TX029 | 61.46 | 57.35 | TX341 | 68.75 | 64.17 | UT002 | 66.12 | 61.72 |
| TX030 | 61.30 | 57.22 | TX343 | 70.11 | 65.45 | UT003 | 66.12 | 61.72 |
| TX031 | 79.75 | 74.44 | TX349 | 76.20 | 71.12 | UT004 | 66.12 | 61.72 |
| TX032 | 72.34 | 67.53 | TX350 | 70.11 | 65.45 | UT006 | 71.76 | 66.97 |
| TX034 | 70.05 | 65.37 | TX358 | 59.15 | 55.21 | UT007 | 66.12 | 61.72 |
| TX035 | 59.30 | 55.34 | TX372 | 59.15 | 55.21 | UT009 | 66.12 | 61.72 |
| TX037 | 70.05 | 65.37 | TX376 | 59.15 | 55.21 | UT011 | 66.12 | 61.72 |
| TX039 | 59.15 | 55.21 | TX377 | 79.75 | 74.44 | UT014 | 81.63 | 76.18 |
| TX042 | 59.15 | 55.21 | TX378 | 59.30 | 55.34 | UT015 | 81.63 | 76.18 |
| TX044 | 59.15 | 55.21 | TX381 | 59.15 | 55.21 | UT016 | 81.63 | 76.18 |
| TX046 | 61.46 | 57.35 | TX392 | 81.78 | 76.33 | UT020 | 66.12 | 61.72 |
| TX048 | 59.15 | 55.21 | TX395 | 61.11 | 57.04 | UT021 | 68.10 | 63.57 |
| TX049 | 59.15 | 55.21 | TX396 | 59.15 | 55.21 | UT022 | 66.12 | 61.72 |
| TX051 | 61.46 | 57.35 | TX397 | 59.15 | 55.21 | UT025 | 66.12 | 61.72 |
| TX062 | 61.46 | 57.35 | TX421 | 59.15 | 55.21 | UT026 | 66.12 | 61.72 |
| TX064 | 61.46 | 57.35 | TX431 | 76.20 | 71.12 | UT028 | 81.63 | 76.18 |
| TX065 | 62.16 | 58.02 | TX432 | 67.76 | 63.23 | UT029 | 81.63 | 76.18 |
| TX072 | 59.15 | 55.21 | TX433 | 76.20 | 71.12 | UT030 | 66.12 | 61.72 |
| TX073 | 61.46 | 57.35 | TX434 | 81.78 | 76.33 | UT031 | 71.76 | 66.97 |
| TX075 | 59.15 | 55.21 | TX435 | 81.78 | 76.33 | VA001 | 74.51 | 69.54 |
| TX079 | 61.30 | 57.22 | TX436 | 81.78 | 76.33 | VA002 | 59.59 | 55.62 |
| TX081 | 59.15 | 55.21 | TX439 | 67.76 | 63.23 | VA003 | 74.51 | 69.54 |
| TX085 | 84.95 | 79.27 | TX440 | 72.34 | 67.53 | VA004 | 109.86 | 102.54 |
| TX087 | 79.75 | 74.44 | TX441 | 72.34 | 67.53 | VA005 | 67.59 | 63.07 |
| TX095 | 81.78 | 76.33 | TX444 | 61.30 | 57.22 | VA006 | 74.51 | 69.54 |
| TX096 | 59.15 | 55.21 | TX445 | 61.46 | 57.35 | VA007 | 67.59 | 63.07 |
| TX105 | 59.15 | 55.21 | TX447 | 61.46 | 57.35 | VA010 | 57.07 | 53.27 |
| TX111 | 62.74 | 58.55 | TX448 | 61.46 | 57.35 | VA011 | 59.48 | 55.51 |
| TX114 | 59.15 | 55.21 | TX449 | 59.15 | 55.21 | VA012 | 74.51 | 69.54 |
| TX128 | 81.78 | 76.33 | TX452 | 70.11 | 65.45 | VA013 | 60.15 | 56.14 |
| TX134 | 59.15 | 55.21 | TX454 | 59.15 | 55.21 | VA014 | 60.15 | 56.14 |
| TX137 | 61.30 | 57.22 | TX455 | 78.78 | 73.53 | VA015 | 53.69 | 50.11 |
| TX147 | 59.15 | 55.21 | TX456 | 69.90 | 65.24 | VA016 | 75.57 | 70.53 |
| TX152 | 59.15 | 55.21 | TX457 | 66.34 | 61.92 | VA017 | 74.51 | 69.54 |
| TX158 | 61.30 | 57.22 | TX458 | 61.30 | 57.22 | VA018 | 53.69 | 50.11 |
| TX163 | 71.48 | 66.71 | TX459 | 68.75 | 64.17 | VA019 | 109.86 | 102.54 |
| TX164 | 71.48 | 66.71 | TX461 | 62.93 | 58.75 | VA020 | 67.59 | 63.07 |
| TX173 | 62.16 | 58.02 | TX470 | 61.30 | 57.22 | VA021 | 53.69 | 50.11 |
| TX174 | 71.48 | 66.71 | TX472 | 61.30 | 57.22 | VA022 | 54.68 | 51.03 |
| TX175 | 59.15 | 55.21 | TX480 | 79.75 | 74.44 | VA023 | 54.68 | 51.03 |
| TX177 | 61.46 | 57.35 | TX481 | 61.30 | 57.22 | VA024 | 53.69 | 50.11 |
| TX178 | 59.15 | 55.21 | TX482 | 61.30 | 57.22 | VA025 | 74.51 | 69.54 |
| TX183 | 59.15 | 55.21 | TX483 | 72.34 | 67.53 | VA028 | 109.86 | 102.54 |
| TX189 | 59.15 | 55.21 | TX484 | 78.13 | 72.91 | VA030 | 53.69 | 50.11 |
| TX193 | 70.11 | 65.45 | TX485 | 59.15 | 55.21 | VA031 | 59.59 | 55.62 |
| TX197 | 61.30 | 57.22 | TX486 | 60.13 | 56.11 | VA032 | 59.59 | 55.62 |
| TX201 | 59.15 | 55.21 | TX488 | 59.15 | 55.21 | VA034 | 53.69 | 50.11 |
| TX202 | 61.46 | 57.35 | TX493 | 81.78 | 76.33 | VA035 | 109.86 | 102.54 |
| TX206 | 62.16 | 58.02 | TX495 | 76.20 | 71.12 | VA036 | 75.57 | 70.53 |

| PHA | Column A rate | Column B rate | PHA | Column A rate | Column B rate |
|-------|---------------|---------------|-------|---------------|---------------|
| VA037 | 53.82 | 50.23 | WI166 | 52.86 | 49.33 |
| VA038 | 53.69 | 50.11 | WI183 | 58.39 | 54.49 |
| VA039 | 74.51 | 69.54 | WI186 | 53.58 | 50.00 |
| VA040 | 53.69 | 50.11 | WI193 | 52.86 | 49.33 |
| VA041 | 74.51 | 69.54 | WI195 | 66.10 | 61.69 |
| VA042 | 59.59 | 55.62 | WI201 | 63.92 | 59.66 |
| VA044 | 54.66 | 51.01 | WI203 | 59.31 | 55.36 |
| VA046 | 109.86 | 102.54 | WI204 | 53.73 | 50.14 |
| VA901 | 67.59 | 63.07 | WI205 | 52.86 | 49.33 |
| VQ901 | 95.33 | 88.98 | WI206 | 52.86 | 49.33 |
| VT001 | 91.61 | 85.50 | WI208 | 52.86 | 49.33 |
| VT002 | 79.33 | 74.04 | WI213 | 53.82 | 50.24 |
| VT003 | 82.06 | 76.59 | WI214 | 71.14 | 66.40 |
| VT004 | 81.24 | 75.83 | WI218 | 63.92 | 59.66 |
| VT005 | 76.06 | 70.99 | WI219 | 59.31 | 55.36 |
| VT006 | 91.61 | 85.50 | WI221 | 52.86 | 49.33 |
| VT008 | 76.06 | 70.99 | WI222 | 52.86 | 49.33 |
| VT009 | 76.88 | 71.75 | WI230 | 52.86 | 49.33 |
| VT901 | 91.61 | 85.50 | WI231 | 52.86 | 49.33 |
| WA001 | 95.05 | 88.70 | WI233 | 52.86 | 49.33 |
| WA002 | 95.05 | 88.70 | WI237 | 53.85 | 50.26 |
| WA003 | 83.96 | 78.36 | WI241 | 52.86 | 49.33 |
| WA004 | 79.27 | 73.97 | WI242 | 52.86 | 49.33 |
| WA005 | 80.71 | 75.35 | WI244 | 58.03 | 54.16 |
| WA006 | 95.05 | 88.70 | WI245 | 52.86 | 49.33 |
| WA007 | 64.72 | 60.40 | WI246 | 54.06 | 50.45 |
| WA008 | 78.11 | 72.89 | WI248 | 52.86 | 49.33 |
| WA011 | 95.05 | 88.70 | WI256 | 52.86 | 49.33 |
| WA012 | 73.33 | 68.43 | WI901 | 52.86 | 49.33 |
| WA013 | 73.55 | 68.64 | WV001 | 72.73 | 67.88 |
| WA014 | 61.12 | 57.05 | WV003 | 57.20 | 53.39 |
| WA017 | 63.82 | 59.56 | WV004 | 59.96 | 55.96 |
| WA018 | 79.27 | 73.97 | WV005 | 57.20 | 53.39 |
| WA020 | 64.72 | 60.40 | WV006 | 60.62 | 56.57 |
| WA021 | 73.33 | 68.43 | WV009 | 61.26 | 57.18 |
| WA024 | 93.13 | 86.90 | WV010 | 61.91 | 57.78 |
| WA025 | 90.23 | 84.21 | WV015 | 57.20 | 53.39 |
| WA036 | 83.96 | 78.36 | WV016 | 59.90 | 55.90 |
| WA039 | 95.05 | 88.70 | WV017 | 57.00 | 53.20 |
| WA042 | 76.24 | 71.15 | WV018 | 57.00 | 53.20 |
| WA049 | 86.74 | 80.94 | WV027 | 58.19 | 54.32 |
| WA054 | 80.71 | 75.35 | WV034 | 57.00 | 53.20 |
| WA055 | 73.02 | 68.16 | WV035 | 58.19 | 54.32 |
| WA057 | 79.27 | 73.98 | WV037 | 59.96 | 55.96 |
| WA061 | 82.50 | 77.00 | WV039 | 57.20 | 53.39 |
| WA064 | 75.08 | 70.06 | WV042 | 57.20 | 53.39 |
| WA071 | 66.99 | 62.51 | WV045 | 57.00 | 53.20 |
| WI001 | 63.38 | 59.15 | WV046 | 57.00 | 53.20 |
| WI002 | 63.92 | 59.66 | WY002 | 83.27 | 77.73 |
| WI003 | 71.14 | 66.40 | WY003 | 67.20 | 62.72 |
| WI006 | 61.16 | 57.08 | WY004 | 100.33 | 93.65 |
| WI011 | 53.73 | 50.14 | WY013 | 67.20 | 62.72 |
| WI019 | 52.86 | 49.33 | | | |
| WI020 | 85.68 | 79.97 | | | |
| WI031 | 52.86 | 49.33 | | | |
| WI043 | 53.82 | 50.24 | | | |
| WI045 | 52.86 | 49.33 | | | |
| WI047 | 52.97 | 49.44 | | | |
| WI048 | 52.86 | 49.33 | | | |
| WI060 | 85.68 | 79.97 | | | |
| WI064 | 59.31 | 55.36 | | | |
| WI065 | 53.82 | 50.24 | | | |
| WI068 | 53.73 | 50.14 | | | |
| WI069 | 53.73 | 50.14 | | | |
| WI070 | 52.86 | 49.33 | | | |
| WI083 | 63.92 | 59.66 | | | |
| WI085 | 52.86 | 49.33 | | | |
| WI091 | 52.86 | 49.33 | | | |
| WI096 | 52.86 | 49.33 | | | |
| WI127 | 52.86 | 49.33 | | | |
| WI131 | 52.86 | 49.33 | | | |
| WI142 | 63.92 | 59.66 | | | |
| WI160 | 52.86 | 49.33 | | | |

[FR Doc. 2017-12952 Filed 6-20-17; 8:45 am]

BILLING CODE 4210-67-P

DEPARTMENT OF THE INTERIOR**Fish and Wildlife Service**[Docket No. FWS-HQ-IA-2017-0027;
FXIA1671090000-178-FF09A30000]**Endangered Species; Receipt of Applications for Permits****AGENCY:** Fish and Wildlife Service, Interior.**ACTION:** Notice of receipt of applications for permits.

SUMMARY: We, the U.S. Fish and Wildlife Service, invite the public to comment on applications to conduct certain activities with endangered species. With some exceptions, the Endangered Species Act (ESA) prohibits activities with listed species unless Federal authorization is acquired that allows such activities.

DATES: We must receive comments or requests for documents on or before July 21, 2017.

ADDRESSES:

Submitting Comments: You may submit comments by one of the following methods:

- *Federal eRulemaking Portal:* <http://www.regulations.gov>. Follow the instructions for submitting comments on Docket No. FWS-HQ-IA-2017-0027.

- *U.S. mail or hand-delivery:* Public Comments Processing, Attn: Docket No. FWS-HQ-IA-2017-0027; U.S. Fish and Wildlife Service Headquarters, MS: BPHC; 5275 Leesburg Pike, Falls Church, VA 22041-3803.

When submitting comments, please indicate the name of the applicant and the PRT# you are commenting on. We will post all comments on <http://www.regulations.gov>. This generally means that we will post any personal information you provide us (see the Public Comments section below for more information).

Viewing Comments: Comments and materials we receive will be available for public inspection on <http://www.regulations.gov>, or by appointment, between 8 a.m. and 4 p.m., Monday through Friday, except Federal holidays, at the U.S. Fish and Wildlife Service, Division of Management Authority, 5275 Leesburg Pike, Falls Church, VA 22041-3803; telephone 703-358-2095.

FOR FURTHER INFORMATION CONTACT: Brenda Tapia, Program Analyst/Data Administrator, Division of Management Authority, U.S. Fish and Wildlife Service Headquarters, MS: IA; 5275 Leesburg Pike, Falls Church, VA 22041-3803; telephone 703-358-2023; facsimile 703-358-2280.

SUPPLEMENTARY INFORMATION:**I. Public Comment Procedures**

A. How do I request copies of applications or comment on submitted applications?

Send your request for copies of applications or comments and materials concerning any of the applications to the contact listed under **ADDRESSES**. Please include the **Federal Register** notice publication date, the PRT-number, and the name of the applicant