# April 2021 Interest Rates

| Issue Date | Amount of Debentures ($0) | Debenture Rate (%) | Note Rate (%) | Comparable Treasury Market Rate (%) | Spread Over Treasury Rate (%) | CDC Fee | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 | 0.625 | 1.000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Borrower Fee | 0.9375 | 0.9375 | 0.914 | 0.914 | 0.697 | 0.697 | 0.642 | 0.642 | 0.368 | 0.368 | 0.3205 | 0.3205 | 0.4517 | 0.4517 | 0.958 | 0.958 | 0.731 | 0.731 | 0.682 | 0.682 | 0.395 | 0.395 | 0.322 | 0.322 | 0.4865 | 0.4865 |
| | | | | | | CSA Fee | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| | | **10-Year Debentures** | | | | | | | | | | | | | | | | | | | **Refinance** | | | | | | | | | | | |
| Jan 18 | 12,628 | 2.55 | 2.64746 | 2.33 | 0.22 | | 5.091 | 5.643 | 5.057 | 5.608 | 4.738 | 5.289 | 4.657 | 5.208 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Mar 18 | 15,380 | 3.00 | 3.11270 | 2.63 | 0.37 | | N/A | N/A | 5.510 | N/A | 5.192 | 5.741 | 5.112 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.242 | N/A | 5.171 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| May 18 | 22,720 | 3.18 | 3.29883 | 2.81 | 0.37 | | 5.730 | 6.278 | 5.695 | 6.244 | 5.378 | 5.927 | 5.298 | 5.847 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.428 | N/A | 5.356 | 5.905 | N/A | N/A | N/A | N/A | N/A | N/A |
| July 18 | 9,642 | 3.19 | 3.30867 | 2.73 | 0.46 | | 5.732 | N/A | 5.698 | 6.245 | 5.382 | 5.929 | 5.302 | 5.848 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.360 | 5.907 | N/A | N/A | N/A | N/A | N/A | N/A |
| Sept 18 | 14,550 | 3.14 | 3.25713 | 2.76 | 0.38 | | N/A | 6.230 | 5.649 | 6.196 | 5.332 | 5.879 | 5.252 | 5.799 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Nov 18 | 7,101 | 3.47 | 3.59817 | 3.07 | 0.40 | | N/A | N/A | 5.987 | N/A | 5.670 | N/A | 5.590 | 6.137 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.649 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Jan 19 | 11,713 | 2.95 | 3.06111 | 2.54 | 0.41 | | 5.496 | N/A | N/A | N/A | 5.144 | 5.693 | 5.064 | 5.613 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Mar 19 | 11,198 | 2.92 | 3.02985 | 2.45 | 0.47 | | N/A | N/A | N/A | N/A | 5.110 | 5.658 | 5.029 | 5.578 | 4.628 | 5.177 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| May 19 | 10,911 | 2.66 | 2.76116 | 2.22 | 0.44 | | N/A | N/A | 5.166 | N/A | 4.848 | 5.398 | 4.767 | 5.317 | 4.365 | 4.915 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.955 | N/A | N/A | N/A | N/A |
| July 19 | 11,268 | 2.24 | 2.32656 | 1.84 | 0.40 | | N/A | N/A | 4.742 | 5.295 | 4.422 | 4.975 | 4.341 | 4.894 | 3.937 | 4.490 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.977 | N/A | N/A | N/A | N/A | N/A |
| Sept 19 | 15,751 | 1.88 | 1.95324 | 1.45 | 0.43 | | N/A | N/A | N/A | N/A | 4.048 | 4.600 | 3.967 | 4.519 | 3.563 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.603 | N/A | N/A | N/A | N/A | N/A |
| Nov 19 | 9,452 | 2.24 | 2.32630 | 1.71 | 0.53 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.336 | 4.888 | 3.933 | 4.485 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Jan 20 | 10,182 | 2.18 | 2.26433 | 1.68 | 0.50 | | N/A | N/A | N/A | N/A | 4.359 | N/A | 4.278 | 4.830 | 3.874 | 4.426 | 3.804 | 4.356 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.914 | 4.466 | N/A | N/A | N/A | N/A |
| Mar 20 | 11,504 | 1.25 | 1.29979 | 0.68 | 0.57 | | N/A | N/A | 3.726 | N/A | N/A | N/A | 3.324 | 3.879 | 2.918 | N/A | 2.847 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.958 | N/A | N/A | N/A | N/A | N/A |
| May 20 | 17,195 | 1.06 | 1.10255 | 0.35 | 0.71 | | N/A | N/A | N/A | N/A | 3.213 | N/A | 3.132 | N/A | 2.725 | 3.282 | 2.654 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| July 20 | 18,005 | 0.81 | 0.84288 | 0.29 | 0.52 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.878 | 3.437 | 2.470 | 3.029 | 2.400 | 2.958 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.402 | N/A | N/A | N/A |
| Sept 20 | 39,162 | 0.70 | 0.72851 | 0.29 | 0.41 | | N/A | N/A | 3.173 | N/A | 2.849 | N/A | 2.767 | 3.326 | 2.358 | 2.918 | 2.288 | 2.847 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.290 | N/A | N/A | N/A |
| Nov 20 | 10,998 | 0.65 | 0.67647 | 0.33 | 0.32 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.709 | 3.267 | 2.302 | 2.859 | 2.231 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.233 | 2.791 | N/A | N/A |
| Jan 21 | 4,135 | 0.67 | 0.69727 | 0.46 | 0.21 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.733 | N/A | 2.325 | 2.883 | 2.254 | N/A | 2.450 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.256 | N/A | N/A | N/A |
| Mar 21 | 9,478 | 0.91 | 0.94684 | 0.79 | 0.12 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.983 | N/A | 2.575 | N/A | 2.504 | 3.063 | 2.700 | 3.258 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | **20-Year Debentures** | | | | | | | | | | | | | | | | | | | **Refinance** | | | | | | | | | | | |
| Jan 18 | 265,812 | 2.92 | 2.96978 | 2.56 | 0.36 | | 5.002 | 5.461 | 4.974 | 5.432 | 4.708 | 5.167 | 4.641 | 5.100 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.750 | N/A | 4.690 | 5.148 | N/A | N/A | N/A | N/A | N/A | N/A |
| Feb 18 | 324,595 | 3.22 | 3.27350 | 2.87 | 0.35 | | 5.300 | 5.757 | 5.272 | 5.729 | 5.007 | 5.464 | 4.940 | 5.397 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.048 | 5.506 | 4.989 | 5.446 | N/A | N/A | N/A | N/A | N/A | N/A |
| Mar 18 | 282,611 | 3.20 | 3.25328 | 2.85 | 0.35 | | 5.281 | 5.738 | 5.252 | 5.709 | 4.987 | 5.445 | 4.920 | 5.378 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.029 | N/A | 4.969 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| April 18 | 329,067 | 3.31 | 3.36454 | 2.82 | 0.49 | | 5.389 | 5.845 | 5.360 | 5.817 | 5.096 | 5.552 | 5.029 | 5.486 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.137 | N/A | 5.078 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| May 18 | 375,113 | 3.50 | 3.55703 | 2.96 | 0.54 | | 5.582 | 6.038 | 5.553 | 6.010 | 5.289 | 5.745 | 5.222 | 5.678 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.330 | 5.787 | 5.270 | 5.727 | N/A | N/A | N/A | N/A | N/A | N/A |
| June 18 | 307,029 | 3.60 | 3.65812 | 2.97 | 0.63 | | 5.680 | 6.136 | 5.651 | 6.107 | 5.387 | 5.843 | 5.320 | 5.776 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.369 | 5.825 | N/A | N/A | N/A | N/A | N/A | N/A |
| July 18 | 263,122 | 3.54 | 3.59736 | 2.83 | 0.71 | | 5.618 | 6.074 | 5.590 | 6.046 | 5.326 | 5.782 | 5.259 | 5.715 | N/A | N/A | N/A | N/A | N/A | N/A | 5.643 | N/A | N/A | N/A | 5.308 | 5.764 | N/A | N/A | N/A | N/A | N/A | N/A |
| Aug 18 | 344,334 | 3.58 | 3.63801 | 2.94 | 0.64 | | 5.661 | N/A | 5.632 | 6.089 | 5.368 | 5.824 | 5.301 | 5.758 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.410 | N/A | 5.350 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Sept 18 | 278,852 | 3.53 | 3.58727 | 2.89 | 0.64 | | 5.609 | 6.065 | 5.580 | 6.037 | 5.317 | 5.773 | 5.250 | 5.706 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.298 | 5.754 | N/A | N/A | N/A | N/A | N/A | N/A |
| Oct 18 | 259,791 | 3.77 | 3.83031 | 3.18 | 0.59 | | 5.852 | 6.308 | 5.823 | 6.279 | 5.559 | 6.015 | 5.492 | 5.948 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.541 | 5.997 | N/A | N/A | N/A | N/A | N/A | N/A |
| Nov 18 | 248,506 | 3.87 | 3.93129 | 3.22 | 0.65 | | 5.950 | 6.405 | 5.921 | 6.376 | 5.658 | 6.113 | 5.591 | 6.046 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.640 | 6.095 | N/A | N/A | N/A | N/A | N/A | N/A |
| Dec 18 | 244,169 | 3.54 | 3.59738 | 2.84 | 0.70 | | 5.619 | N/A | 5.590 | 6.046 | 5.327 | 5.783 | 5.260 | 5.716 | 4.926 | 5.382 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.308 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Jan 19 | 231,767 | 3.37 | 3.42549 | 2.71 | 0.66 | | 5.452 | 5.909 | 5.423 | N/A | 5.159 | 5.616 | 5.092 | 5.549 | 4.758 | 5.215 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.140 | N/A | 4.791 | N/A | N/A | N/A | N/A | N/A |
| Feb 19 | 129,980 | 3.26 | 3.31400 | 2.67 | 0.59 | | 5.340 | 5.797 | 5.311 | 5.768 | 5.047 | 5.504 | 4.980 | 5.437 | 4.646 | 5.103 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.029 | N/A | 4.679 | N/A | N/A | N/A | N/A | N/A |
| Mar 19 | 177,872 | 3.20 | 3.25325 | 2.65 | 0.55 | | 5.280 | 5.737 | 5.251 | N/A | 4.987 | 5.444 | 4.920 | 5.377 | 4.586 | 5.043 | N/A | N/A | N/A | N/A | N/A | N/A | 5.028 | N/A | 4.969 | N/A | 4.619 | 5.076 | N/A | N/A | N/A | N/A |
| April 19 | 199,341 | 2.98 | 3.03050 | 2.49 | 0.49 | | 5.063 | N/A | 5.034 | 5.492 | 4.769 | 5.227 | 4.701 | 5.160 | 4.367 | 4.825 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.750 | 5.209 | 4.400 | N/A | N/A | N/A | N/A | N/A |
| May 19 | 196,908 | 2.88 | 2.92913 | 2.43 | 0.45 | | 4.962 | 5.420 | 4.933 | 5.391 | 4.668 | 5.126 | 4.600 | 5.059 | 4.265 | 4.724 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.649 | N/A | 4.298 | N/A | N/A | N/A | N/A | N/A |
| June 19 | 166,575 | 2.60 | 2.64515 | 2.10 | 0.50 | | 4.680 | 5.139 | 4.651 | 5.110 | 4.385 | 4.844 | 4.318 | 4.777 | 3.983 | 4.442 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.367 | N/A | 4.016 | N/A | N/A | N/A | N/A | N/A |
| July 19 | 170,991 | 2.53 | 2.57428 | 2.08 | 0.45 | | 4.613 | N/A | 4.584 | 5.044 | 4.318 | 4.778 | 4.251 | 4.710 | 3.914 | 4.374 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.948 | 4.407 | N/A | N/A | N/A | N/A |
| Aug 19 | 143,948 | 2.15 | 2.18861 | 1.76 | 0.39 | | 4.231 | N/A | 4.202 | 4.663 | 3.936 | 4.396 | 3.868 | 4.329 | 3.531 | 3.992 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.565 | 4.025 | N/A | N/A | N/A | N/A |
| Sept 19 | 166,223 | 1.98 | 2.01594 | 1.58 | 0.40 | | 4.059 | N/A | 4.030 | 4.491 | 3.764 | 4.224 | 3.696 | 4.157 | 3.359 | 3.820 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.392 | N/A | N/A | N/A | N/A | N/A |
| Oct 19 | 175,585 | 2.08 | 2.11756 | 1.64 | 0.44 | | 4.162 | N/A | 4.133 | 4.594 | 3.866 | 4.328 | 3.799 | 4.260 | 3.462 | 3.923 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.495 | N/A | N/A | N/A | N/A | N/A |
| Nov 19 | 170,895 | 2.36 | 2.40171 | 1.90 | 0.46 | | 4.440 | N/A | 4.412 | 4.872 | 4.146 | 4.605 | 4.078 | 4.538 | 3.742 | 4.202 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.775 | N/A | N/A | N/A | N/A | N/A |
| Dec 19 | 146,641 | 2.26 | 2.30019 | 1.81 | 0.45 | | 4.339 | N/A | 4.310 | N/A | 4.044 | 4.504 | 3.977 | 4.437 | 3.641 | 4.101 | 3.582 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.674 | N/A | 3.584 | N/A | N/A | N/A |
| Jan 20 | 113,379 | 2.32 | 2.36123 | 1.89 | 0.43 | | 4.402 | N/A | 4.373 | N/A | 4.106 | 4.567 | 4.039 | 4.499 | 3.703 | 4.163 | 3.644 | 4.105 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.646 | N/A | N/A | N/A |
| Feb 20 | 87,102 | 2.07 | 2.10736 | 1.66 | 0.41 | | N/A | N/A | 4.121 | N/A | 3.854 | 4.315 | 3.787 | 4.247 | 3.450 | 3.911 | 3.392 | 3.852 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.483 | 3.944 | 3.394 | N/A | N/A | N/A |
| Mar 20 | 111,375 | 1.49 | 1.51808 | 0.94 | 0.55 | | 3.569 | N/A | 3.540 | 4.002 | 3.272 | 3.735 | 3.204 | 3.667 | 2.866 | 3.329 | 2.808 | 3.270 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.900 | N/A | 2.810 | N/A | N/A | N/A |
| April 20 | 141,823 | 1.64 | 1.67056 | 0.75 | 0.89 | | 3.721 | 4.184 | 3.692 | 4.155 | 3.425 | 3.887 | 3.357 | 3.819 | 3.019 | 3.481 | 2.960 | 3.423 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.515 | 2.962 | N/A | N/A | N/A |
| May 20 | 127,470 | 1.37 | 1.39601 | 0.69 | 0.68 | | 3.450 | 3.913 | 3.421 | 3.884 | 3.153 | N/A | 3.085 | 3.548 | 2.746 | 3.209 | 2.688 | 3.151 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.780 | N/A | 2.689 | N/A | N/A | N/A |
| June 20 | 162,340 | 1.21 | 1.23325 | 0.67 | 0.54 | | 3.292 | N/A | 3.263 | 3.727 | 2.994 | 3.458 | 2.926 | 3.390 | 2.587 | 3.051 | 2.528 | 2.992 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.530 | 2.994 | N/A | N/A |
| July 20 | 121,029 | 1.03 | 1.05033 | 0.64 | 0.39 | | N/A | N/A | 3.081 | 3.546 | 2.812 | 3.277 | 2.744 | 3.209 | 2.405 | 2.869 | 2.346 | 2.810 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Aug 20 | 101,964 | 0.90 | 0.91764 | 0.51 | 0.39 | | N/A | N/A | 2.949 | 3.414 | 2.680 | 3.145 | 2.612 | 3.077 | 2.272 | 2.737 | 2.214 | 2.678 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.215 | N/A | N/A | N/A |
| Sept 20 | 344,162 | 1.05 | 1.07039 | 0.71 | 0.34 | | N/A | N/A | 3.102 | N/A | 2.833 | 3.298 | 2.765 | 3.229 | 2.425 | 2.890 | 2.366 | 2.831 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.368 | 2.833 | N/A | N/A |
| Oct 20 | 23,902 | 1.08 | 1.10090 | 0.78 | 0.30 | | N/A | N/A | 3.131 | N/A | N/A | 3.326 | 2.794 | 3.258 | 2.454 | 2.919 | 2.396 | 2.860 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.398 | N/A | N/A | N/A |
| Nov 20 | 46,133 | 1.05 | 1.07034 | 0.77 | 0.28 | | N/A | N/A | N/A | N/A | N/A | 3.294 | 2.762 | 3.226 | 2.423 | 2.887 | 2.364 | 2.828 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.366 | 2.830 | N/A | N/A |
| Dec 20 | 79,404 | 1.11 | 1.13145 | 0.94 | 0.17 | | 3.191 | N/A | N/A | N/A | 2.893 | N/A | 2.825 | 3.290 | 2.485 | 2.950 | 2.427 | 2.891 | 2.589 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.428 | N/A | 2.632 | N/A |
| Jan 21 | 50,211 | 1.18 | 1.20277 | 1.08 | 0.10 | | N/A | N/A | 3.230 | N/A | 2.962 | 3.426 | 2.894 | 3.358 | 2.555 | 3.019 | 2.496 | 2.960 | 2.658 | 3.122 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.498 | N/A | 2.702 | N/A |
| Feb 21 | 60,207 | 1.24 | 1.26377 | 1.15 | 0.09 | | N/A | N/A | N/A | N/A | 3.024 | N/A | 2.956 | 3.420 | 2.617 | 3.081 | 2.558 | 3.022 | 2.720 | 3.185 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.560 | 3.024 | 2.764 | N/A |
| Mar 21 | 57,071 | 1.52 | 1.54858 | 1.54 | -0.02 | | N/A | N/A | 3.573 | 4.036 | 3.305 | 3.768 | 3.237 | 3.700 | 2.899 | 3.362 | 2.840 | N/A | 3.002 | 3.465 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.045 | N/A |
| April 21 | 59,703 | 1.54 | 1.56902 | 1.64 | -0.10 | | N/A | N/A | N/A | N/A | 3.324 | 3.787 | 3.256 | 3.719 | 2.918 | 3.381 | 2.859 | 3.322 | 3.021 | 3.484 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.861 | N/A | 3.064 | 3.527 |
| | | **25-Year Debentures** | | | | | | | | | | | | | | | | | | | **Refinance** | | | | | | | | | | | |
| July 18 | 27,536 | 3.68 | 3.72405 | 2.83 | 0.85 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.320 | 5.758 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Aug 18 | 29,238 | 3.71 | 3.75439 | 2.94 | 0.77 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.351 | 5.789 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.398 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Sept 18 | 58,273 | 3.65 | 3.69390 | 2.89 | 0.76 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.290 | 5.728 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.337 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Oct 18 | 79,913 | 3.89 | 3.93581 | 3.18 | 0.71 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.532 | 5.969 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.578 | 6.016 | N/A | N/A | N/A | N/A | N/A | N/A |
| Nov 18 | 67,600 | 4.00 | 4.04654 | 3.22 | 0.78 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.640 | 6.077 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.687 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Dec 18 | 80,771 | 3.67 | 3.71400 | 2.84 | 0.83 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.310 | 5.748 | 4.990 | 5.428 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.357 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Jan 19 | 110,764 | 3.56 | 3.60326 | 2.71 | 0.85 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.202 | 5.641 | 4.881 | 5.320 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.249 | 5.687 | 4.913 | N/A | N/A | N/A | N/A | N/A |
| Feb 19 | 65,157 | 3.45 | 3.49226 | 2.67 | 0.78 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.091 | 5.530 | 4.771 | 5.209 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.138 | N/A | 4.802 | N/A | N/A | N/A | N/A | N/A |
| Mar 19 | 97,699 | 3.42 | 3.46217 | 2.65 | 0.77 | | N/A | N/A | N/A | N/A | N/A | N/A | 5.061 | 5.500 | 4.741 | 5.179 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.108 | 5.547 | 4.772 | N/A | N/A | N/A | N/A | N/A |
| April 19 | 170,006 | 3.21 | 3.25030 | 2.49 | 0.72 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.853 | 5.293 | 4.532 | 4.971 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 5.339 | 4.563 | 5.003 | N/A | N/A | N/A | N/A |
| May 19 | 106,904 | 3.07 | 3.10911 | 2.43 | 0.64 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.712 | 5.152 | 4.391 | 4.831 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.423 | 4.863 | N/A | N/A | N/A | N/A |
| June 19 | 146,463 | 2.77 | 2.80620 | 2.10 | 0.67 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.412 | 4.852 | 4.090 | 4.530 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.121 | 4.562 | N/A | N/A | N/A | N/A |
| July 19 | 151,285 | 2.69 | 2.72547 | 2.08 | 0.61 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.333 | 4.775 | 4.011 | 4.452 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.381 | N/A | 4.043 | 4.484 | N/A | N/A | N/A | N/A |
| Aug 19 | 166,643 | 2.31 | 2.34147 | 1.76 | 0.55 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.953 | 4.395 | 3.630 | 4.072 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 4.000 | N/A | 3.661 | 4.103 | N/A | N/A | N/A | N/A |
| Sept 19 | 203,390 | 2.14 | 2.16957 | 1.58 | 0.56 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.781 | 4.224 | 3.458 | 3.901 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.490 | 3.932 | N/A | N/A | N/A | N/A |
| Oct 19 | 197,524 | 2.22 | 2.25050 | 1.64 | 0.58 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.863 | 4.306 | 3.540 | 3.982 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.572 | 4.014 | N/A | N/A | N/A | N/A |
| Nov 19 | 193,350 | 2.48 | 2.51323 | 1.90 | 0.58 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.122 | 4.563 | 3.800 | 4.241 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.831 | 4.273 | N/A | N/A | N/A | N/A |
| Dec 19 | 196,112 | 2.38 | 2.41219 | 1.81 | 0.57 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.021 | 4.463 | 3.699 | 4.140 | 3.643 | 4.084 | N/A | N/A | N/A | N/A | N/A | N/A | 4.069 | N/A | 3.731 | 4.172 | N/A | N/A | N/A | N/A |
| Jan 20 | 207,215 | 2.45 | 2.48308 | 1.89 | 0.56 | | N/A | N/A | N/A | N/A | N/A | N/A | 4.093 | 4.535 | 3.770 | 4.212 | 3.714 | 4.156 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.802 | N/A | 3.716 | 4.158 | N/A | N/A |
| Feb 20 | 192,791 | 2.20 | 2.23024 | 1.66 | 0.54 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.842 | 4.284 | 3.519 | 3.961 | 3.463 | 3.905 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.551 | 3.993 | 3.465 | N/A | N/A | N/A |
| Mar 20 | 256,694 | 1.62 | 1.64346 | 0.94 | 0.68 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.261 | 3.705 | 2.937 | 3.381 | 2.881 | 3.325 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.969 | N/A | 2.883 | 3.326 | N/A | N/A |
| April 20 | 279,385 | 1.77 | 1.79534 | 0.75 | 1.02 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.413 | 3.857 | 3.089 | 3.532 | 3.032 | 3.476 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 3.121 | N/A | 3.034 | 3.478 | N/A | N/A |
| May 20 | 265, 265 | 1.50 | 1.52196 | 0.69 | 0.81 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.142 | 3.586 | 2.817 | 3.262 | 2.761 | 3.205 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.849 | N/A | 2.763 | 3.207 | N/A | N/A |
| June 20 | 331,334 | 1.34 | 1.35995 | 0.67 | 0.67 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.983 | 3.429 | 2.658 | 3.103 | 2.602 | 3.047 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.603 | 3.049 | N/A | N/A |
| July 20 | 258,237 | 1.15 | 1.16740 | 0.64 | 0.51 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.792 | 3.238 | 2.467 | 2.913 | 2.410 | 2.856 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.412 | 2.858 | N/A | N/A |
| Aug 20 | 272,805 | 1.01 | 1.02546 | 0.51 | 0.50 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.651 | 3.097 | 2.325 | 2.771 | 2.269 | 2.715 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.271 | 2.717 | N/A | N/A |
| Sept 20 | 900,950 | 1.15 | 1.16739 | 0.71 | 0.44 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.793 | 3.239 | 2.467 | 2.913 | 2.410 | 2.856 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.499 | N/A | 2.412 | 2.858 | N/A | N/A |
| Oct 20 | 106,646 | 1.17 | 1.18764 | 0.78 | 0.39 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.812 | N/A | 2.486 | 2.932 | 2.430 | 2.876 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.432 | 2.877 | N/A | N/A |
| Nov 20 | 188,435 | 1.14 | 1.15721 | 0.77 | 0.37 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.781 | N/A | 2.455 | 2.901 | 2.399 | 2.844 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.401 | 2.846 | N/A | N/A |
| Dec 20 | 274,688 | 1.21 | 1.22819 | 0.94 | 0.27 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.853 | 3.299 | 2.527 | 2.973 | 2.471 | 2.916 | 2.627 | 3.072 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.473 | 2.918 | 2.668 | N/A |
| Jan 21 | 239,266 | 1.28 | 1.29911 | 1.08 | 0.20 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.922 | 3.367 | 2.597 | 3.042 | 2.540 | 2.985 | 2.696 | 3.141 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.542 | 2.987 | 2.737 | 3.182 |
| Feb 21 | 355,019 | 1.34 | 1.36001 | 1.15 | 0.19 | | N/A | N/A | N/A | N/A | N/A | N/A | 2.983 | 3.429 | 2.658 | 3.103 | 2.602 | 3.047 | 2.757 | 3.203 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.603 | 3.049 | 2.799 | 3.244 |
| Mar 21 | 287,904 | 1.63 | 1.65364 | 1.54 | 0.09 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.274 | N/A | 2.949 | 3.393 | 2.893 | 3.337 | 3.048 | 3.492 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.894 | N/A | 3.089 | N/A |
| April 21 | 382,679 | 1.66 | 1.68402 | 1.64 | 0.02 | | N/A | N/A | N/A | N/A | N/A | N/A | 3.303 | 3.747 | 2.978 | 3.422 | 2.922 | 3.366 | 3.077 | 3.521 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2.924 | 3.368 | 3.118 | 3.562 |