

| assessment_id | sale_id | Vacant_Improved | ASR |
|-----------------|---------|-----------------|------|
| 002-000706405 | 1565740 | Improved | 0.89 |
| 003-000827303 | 2331722 | Improved | 0.80 |
| 003-000827410 | 2391740 | Improved | 0.40 |
| 004-000630402 | 2402895 | Improved | 1.16 |
| 004-000711101 | 1548129 | Improved | 1.01 |
| 004HI-505003250 | 2364785 | Improved | 0.98 |
| 007-000421100 | 1521396 | Improved | 0.62 |
| 035-000305430 | 2318033 | Improved | 0.53 |
| 037-000533210 | 1565299 | Improved | 0.65 |
| 037-000705101 | 1541354 | Improved | 1.73 |
| 038-000518201 | 1513235 | Improved | 1.30 |
| 038-000912301 | 2229230 | Improved | 0.87 |
| 040-000825401 | 2317711 | Improved | 0.68 |
| 040-001028310 | 2285894 | Improved | 0.89 |
| 040-001028310 | 2339315 | Improved | 1.33 |
| 061-000218205 | 2237690 | Improved | 0.56 |
| 063-000218300 | 2206424 | Improved | 0.73 |
| 063-000234410 | 1555348 | Improved | 1.85 |
| 063-000518404 | 2189320 | Improved | 0.68 |
| 063-000518407 | 2253238 | Improved | 1.21 |
| 063-000613300 | 1503344 | Improved | 1.19 |
| 063-000613300 | 1543037 | Improved | 0.65 |
| 064-000108101 | 1532518 | Improved | 0.71 |
| 064-000415260 | 2370922 | Improved | 1.12 |
| 064-000716310 | 1507989 | Improved | 0.88 |
| 064-000716310 | 1516998 | Improved | 0.83 |
| 065-000932300 | 2249693 | Improved | 0.97 |
| 066GR-500522550 | 2080624 | Improved | 1.03 |
| 068TR-500505600 | 2345864 | Improved | 1.13 |
| 069-000516402 | 1518866 | Improved | 0.74 |
| 093-000411210 | 1506699 | Improved | 1.07 |
| 093-000411220 | 2367299 | Improved | 0.94 |
| 095CO-500501350 | 1523758 | Improved | 1.72 |
| ALAME-505003600 | 2338617 | Improved | 1.00 |
| ALAME-505003800 | 2339442 | Improved | 1.16 |
| ALAME-505004300 | 2362003 | Improved | 0.70 |
| ALIDA-505006100 | 2407395 | Improved | 0.83 |
| ALIDA-505009900 | 2397920 | Improved | 1.15 |
| ALIDA-505018100 | 2358301 | Improved | 0.49 |
| ALIDA-505021000 | 2240631 | Improved | 1.47 |
| ARCOL-505001850 | 2248355 | Improved | 1.27 |
| ARCOL-505001950 | 2367774 | Improved | 1.63 |
| ARCOL-505002770 | 1532682 | Improved | 0.85 |
| ARCOL-505003100 | 2284690 | Improved | 1.47 |
| ARCOL-505004100 | 2180007 | Improved | 0.88 |
| ARCOL-505032250 | 2378082 | Improved | 0.71 |
| ARCOL-505042600 | 2402495 | Improved | 1.28 |
| ARCOL-505047000 | 2258882 | Improved | 1.04 |
| ARCOL-505047650 | 2199649 | Improved | 0.96 |
| ARCOL-505059000 | 2330274 | Improved | 1.45 |
| ASSIN-505000200 | 1054149 | Improved | 0.63 |
| ASSIN-505000350 | 1532020 | Improved | 1.56 |

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|-----------------|---------|----------|------|
| ASSIN-505000450 | 2286829 | Improved | 0.99 |
| ASSIN-505007550 | 2379734 | Improved | 1.26 |
| ASSIN-505007600 | 1056287 | Improved | 0.97 |
| ASSIN-505009200 | 2233306 | Improved | 0.91 |
| ASSIN-505013000 | 2391960 | Improved | 0.70 |
| ASSIN-505013050 | 2387400 | Improved | 0.87 |
| ASSIN-505013750 | 2308997 | Improved | 0.65 |
| ASSIN-505019250 | 2317673 | Improved | 1.35 |
| ASSIN-505019400 | 2436380 | Improved | 1.54 |
| ASSIN-505019450 | 2389337 | Improved | 1.35 |
| ASSIN-505019550 | 2456287 | Improved | 1.50 |
| ASSIN-505019700 | 2193656 | Improved | 0.65 |
| ASSIN-505022500 | 2065305 | Improved | 0.46 |
| ASSIN-505029000 | 2434820 | Improved | 0.94 |
| ASSIN-505030450 | 2191494 | Improved | 0.85 |
| ASSIN-505042000 | 1507514 | Improved | 0.99 |
| ASSIN-505100200 | 2239494 | Improved | 0.69 |
| ASSIN-505100350 | 2242075 | Improved | 1.36 |
| ASSIN-505108000 | 2452190 | Improved | 0.46 |
| ASSIN-505115700 | 1583204 | Improved | 1.68 |
| ASSIN-505129000 | 2192749 | Improved | 1.75 |
| ASSIN-890100100 | 1574192 | Improved | 1.01 |
| ASSIN-890100150 | 2224005 | Improved | 1.00 |
| BENGO-404000700 | 1509282 | Improved | 2.41 |
| BENGO-404000750 | 1058037 | Improved | 0.85 |
| BENGO-404000750 | 2446154 | Improved | 0.90 |
| BENGO-404001275 | 2224952 | Improved | 2.10 |
| BENGO-404001375 | 2450342 | Improved | 0.89 |
| BENGO-404002050 | 2056020 | Improved | 0.82 |
| BENGO-404002050 | 2320646 | Improved | 0.82 |
| BIENF-505001900 | 2187110 | Improved | 0.99 |
| BIENF-505028275 | 1525963 | Improved | 0.44 |
| CARLY-495010000 | 2373347 | Improved | 1.45 |
| CARLY-505002500 | 1055053 | Improved | 0.78 |
| CARLY-505004500 | 1505925 | Improved | 0.45 |
| CARLY-505005450 | 2293160 | Improved | 0.69 |
| CARLY-505006750 | 1559213 | Improved | 0.59 |
| CARLY-505006800 | 2293047 | Improved | 0.91 |
| CARLY-505007100 | 2124734 | Improved | 0.60 |
| CARLY-505027500 | 2003167 | Improved | 0.90 |
| CARLY-505027750 | 2433062 | Improved | 0.46 |
| CARLY-505052460 | 2398629 | Improved | 0.89 |
| CARLY-505052525 | 2033658 | Improved | 1.12 |
| CARLY-505065710 | 1524171 | Improved | 1.17 |
| CARLY-505075200 | 2348923 | Improved | 1.54 |
| CARLY-505075200 | 2445204 | Improved | 0.97 |
| CARLY-505077000 | 2206866 | Improved | 1.12 |
| CARLY-515000300 | 2417746 | Improved | 1.89 |
| CARLY-890100375 | 2400175 | Improved | 0.60 |
| CARLY-890100500 | 2234268 | Improved | 0.65 |
| CARLY-890100575 | 2002048 | Improved | 0.82 |
| CARLY-890100575 | 2338810 | Improved | 0.70 |
| CARLY-890100580 | 2317425 | Improved | 0.71 |

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| CARND-505001600 | 1529936 | Improved | 0.76 |
| CARND-505002450 | 2050359 | Improved | 2.04 |
| CARND-505002450 | 2470503 | Improved | 0.89 |
| CARND-505003600 | 2220020 | Improved | 1.42 |
| CARND-505007950 | 2213334 | Improved | 0.99 |
| CARND-505039400 | 2218294 | Improved | 0.53 |
| CARND-505040700 | 2203852 | Improved | 0.85 |
| CARND-505040880 | 1583612 | Improved | 1.14 |
| CARND-505040880 | 2407297 | Improved | 0.88 |
| CARND-505040910 | 2215617 | Improved | 1.17 |
| CARND-505051450 | 2401478 | Improved | 1.61 |
| CEYLO-505000300 | 1510562 | Improved | 2.20 |
| CEYLO-505002650 | 1552120 | Improved | 1.65 |
| CORON-505000650 | 1550121 | Improved | 0.53 |
| CORON-505002450 | 2457746 | Improved | 1.54 |
| CORON-505002600 | 1503459 | Improved | 1.32 |
| CORON-505003850 | 1566661 | Improved | 2.11 |
| CORON-505013200 | 2290744 | Improved | 1.80 |
| CORON-505078250 | 2399360 | Improved | 1.14 |
| CREEL-505003200 | 2325688 | Improved | 1.27 |
| FILLM-404001650 | 2183437 | Improved | 0.58 |
| FILLM-404005000 | 1563806 | Improved | 0.65 |
| FILLM-404006600 | 2406713 | Improved | 1.76 |
| FILLM-404007250 | 2405179 | Improved | 1.95 |
| FILLM-404007850 | 1516425 | Improved | 0.48 |
| FILLM-404007850 | 2291773 | Improved | 0.60 |
| FORGE-505001500 | 1055071 | Improved | 0.61 |
| FROBI-505001250 | 2296007 | Improved | 2.11 |
| FROBI-505018950 | 2029502 | Improved | 1.18 |
| GAINS-505016300 | 2385080 | Improved | 1.09 |
| GLENE-505001550 | 2338523 | | 2.49 |
| KISBE-505003500 | 2454665 | Improved | 1.84 |
| KISBE-505019250 | 2001930 | Improved | 0.48 |
| LAMPM-505004950 | 1519881 | Improved | 0.84 |
| LAMPM-505007850 | 1528275 | Improved | 1.16 |
| LAMPM-505007850 | 1566648 | Improved | 0.87 |
| LAMPM-505017050 | 2398238 | Improved | 0.48 |
| LAMPM-505017100 | 2124790 | Improved | 1.51 |
| LAMPM-505031000 | 2041936 | Improved | 0.87 |
| LAMPM-505032500 | 2370725 | Improved | 1.15 |
| LANG-505011100 | 1541419 | Improved | 1.12 |
| MANOR-505003950 | 1548061 | Improved | 1.66 |
| MANOR-505014450 | 2328650 | Improved | 0.74 |
| MARYF-505006750 | 1545776 | Improved | 0.55 |
| MCTAG-505001350 | 2407058 | Improved | 1.20 |
| MIDAL-505001900 | 1048741 | Improved | 0.97 |
| MIDAL-505003550 | 2439911 | Improved | 1.46 |
| OGEMA-505002650 | 2370078 | Improved | 0.64 |
| OGEMA-505003150 | 2262448 | Improved | 0.69 |
| OGEMA-505003150 | 2413304 | Improved | 0.51 |
| OGEMA-505005150 | 1569612 | Improved | 0.58 |
| OGEMA-505005150 | 2311683 | Improved | 0.81 |
| OGEMA-505016000 | 2403540 | Improved | 1.58 |

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| OXBOW-494900250 | 2442128 | Improved | 0.91 |
| OXBOW-495101500 | 2331693 | Improved | 0.99 |
| OXBOW-504901800 | 2325140 | Improved | 1.19 |
| OXBOW-504903000 | 2367810 | Improved | 1.01 |
| OXBOW-505003050 | 2431812 | Improved | 1.23 |
| OXBOW-505020300 | 2253236 | Improved | 1.54 |
| OXBOW-505022600 | 2371233 | Improved | 2.01 |
| OXBOW-505023000 | 2191424 | Improved | 0.89 |
| OXBOW-505023200 | 2382465 | Improved | 0.67 |
| OXBOW-505023600 | 2321757 | Improved | 1.33 |
| OXBOW-505023700 | 2315331 | Improved | 1.34 |
| PANGM-505015050 | 2310786 | Improved | 0.99 |
| RADVI-503007500 | 2285397 | Improved | 1.78 |
| RADVI-505000350 | 2401333 | Improved | 0.96 |
| RADVI-505000400 | 2204182 | Improved | 0.98 |
| RADVI-505000400 | 2320125 | Improved | 1.12 |
| RADVI-505001700 | 2470507 | Improved | 0.50 |
| RADVI-505004600 | 2199392 | Improved | 1.41 |
| RADVI-505006500 | 1502498 | Improved | 0.66 |
| REDVE-495002400 | 2390517 | Improved | 1.15 |
| REDVE-495002800 | 1505158 | Improved | 0.69 |
| REDVE-505007450 | 2387185 | Improved | 2.17 |
| REDVE-505007700 | 1537694 | Improved | 1.53 |
| REDVE-505010950 | 2432529 | Improved | 1.24 |
| REDVE-505012600 | 1550905 | Improved | 1.56 |
| REDVE-505013100 | 1576136 | Improved | 1.28 |
| REDVE-505027900 | 2335808 | Improved | 0.73 |
| REDVE-505031300 | 2388259 | Improved | 1.35 |
| ROCKG-505004800 | 2416579 | Improved | 1.07 |
| ROCKG-505006000 | 1505710 | Improved | 1.97 |
| ROCKG-505006550 | 1562422 | Improved | 1.25 |
| STOUG-505011350 | 2070459 | Improved | 2.12 |
| STOUG-505012650 | 2421341 | Improved | 1.64 |
| STOUG-505015300 | 2407126 | Improved | 1.83 |
| STOUG-505015400 | 2400746 | Improved | 2.13 |
| STOUG-505015700 | 2317747 | Improved | 0.80 |
| STOUG-505016200 | 2433407 | Improved | 0.47 |
| STOUG-505016400 | 2044561 | Improved | 1.76 |
| STOUG-505018300 | 2136443 | Improved | 0.73 |
| STOUG-515100500 | 2389434 | Improved | 1.22 |
| STOUG-890100410 | 2074057 | Improved | 1.01 |
| TORQU-505002900 | 1504649 | Improved | 1.86 |
| WAWOT-505015850 | 2041755 | Improved | 1.31 |
| WAWOT-505015850 | 2301647 | Improved | 1.79 |
| WAWOT-505016150 | 2216307 | Improved | 0.76 |
| WAWOT-505028350 | 2155329 | Improved | 0.54 |
| WILLO-505012175 | 2199259 | Improved | 1.05 |
| WILLO-505012175 | 2439853 | Improved | 1.16 |
| 070KA-505012350 | 2440881 | Improved | 0.35 |
| 070KA-990100200 | 2414051 | Improved | 1.50 |
| 128-000403401 | 2299560 | Improved | 0.63 |
| 137SW-504505760 | 2451157 | Improved | 0.84 |
| 158GP-404028050 | 2245721 | Improved | 0.95 |

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| 159SI-606005300 | 2360462 | Improved | 1.07 |
| 159SI-606020200 | 2327977 | Improved | 0.68 |
| 159SI-606100600 | 2307349 | Improved | 1.01 |
| 159SI-606109800 | 2387657 | Improved | 3.01 |
| 159WI-656503400 | 2412681 | Improved | 0.79 |
| 217-000226300 | 2405078 | Improved | 1.38 |
| 224LA-990000250 | 1554395 | Improved | 1.03 |
| 244-000404301 | 2395187 | Improved | 0.99 |
| 244-000414311 | 2229449 | Improved | 0.93 |
| 254-000813401 | 2315104 | Improved | 0.76 |
| 255-000415302 | 2239468 | Improved | 0.97 |
| 259-001027401 | 1512133 | Improved | 1.01 |
| 261-001815401 | 1512139 | Improved | 1.09 |
| 271-001406302 | 2336669 | Improved | 0.69 |
| 286-000122102 | 1512213 | Improved | 1.14 |
| 344-000505102 | 2446122 | Improved | 0.59 |
| 344-000819350 | 2188916 | Improved | 0.84 |
| 344-000819410 | 2353023 | Improved | 0.95 |
| 344-000819430 | 2340083 | Improved | 0.70 |
| 370CA-505006400 | 2287249 | Improved | 1.39 |
| 437-000325406 | 2232303 | Improved | 1.02 |
| 437-000629402 | 2074568 | Improved | 1.56 |
| 461LP-505019600 | 2443552 | Improved | 0.90 |
| 468CA-505000100 | 2459318 | Improved | 1.03 |
| 471-000233202 | 2115072 | Improved | 0.69 |
| 472-001531200 | 2359141 | Improved | 1.20 |
| 472-001636101 | 2363343 | Improved | 0.70 |
| 491-000416407 | 2398671 | Improved | 0.69 |
| 491GA-211918550 | 2101942 | Improved | 0.78 |
| BEECH-990001200 | 1514362 | Improved | 0.99 |
| CUTKN-990100300 | 2247820 | Improved | 0.56 |
| DEBDE-505043000 | 2231968 | Improved | 0.83 |
| DRINK-505019100 | 2230867 | Improved | 1.43 |
| HUMBO-495305300 | 2443553 | Improved | 0.79 |
| KINIS-505042500 | 2443556 | Improved | 1.32 |
| KINIS-515005000 | 2442675 | Improved | 1.37 |
| KYLE-505021620 | 2283336 | Improved | 0.61 |
| LAMPM-505034000 | 2233464 | Improved | 0.99 |
| LINTL-505015200 | 1571328 | Improved | 3.56 |
| LUCKY-890005600 | 2288877 | Improved | 1.01 |
| LUSEL-515105000 | 2288575 | Improved | 0.98 |
| MELVI-485104550 | 2304684 | Improved | 1.60 |
| MOOSE-454800300 | 2209486 | Improved | 0.79 |
| MOOSE-455000200 | 2365382 | Improved | 1.38 |
| MOOSE-504933800 | 1200291 | Improved | 0.59 |
| MOOSE-505400150 | 1580927 | Improved | 2.32 |
| NBATT-303016400 | 2385046 | Improved | 1.51 |
| NBATT-535280700 | 2258900 | Improved | 1.23 |
| NBATT-535280850 | 2362069 | Improved | 1.77 |
| NBATT-545336200 | 42054 | Improved | 1.61 |
| PENNA-505009200 | 1574552 | Improved | 0.79 |
| PONTE-890102100 | 1552820 | Improved | 0.50 |
| RHEIN-505014000 | 1568590 | Improved | 0.21 |

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| RICHM-505010300 | 2233002 | Improved | 0.88 |
| SHAUN-890100960 | 2327310 | Improved | 0.70 |
| SINTA-505022965 | 2459423 | Improved | 0.27 |
| SMILE-505007770 | 2302580 | Improved | 0.87 |
| STOUG-890100750 | 1575232 | Improved | 1.10 |
| WEYBU-514811000 | 2367772 | Improved | 2.94 |
| WILKI-890100210 | 2489884 | Improved | 1.80 |
| WOODM-505017000 | 2405740 | Improved | 1.67 |
| YORKT-505203000 | 1510385 | Improved | 1.44 |
| YORKT-505305000 | 2334143 | Improved | 0.85 |
| YOUNG-515011400 | 2244379 | Improved | 1.15 |
| ZEALA-505030000 | 2511334 | Improved | 0.99 |