

Telecommunications & Connectivity Advisory Board Meeting

November 30th, 2015



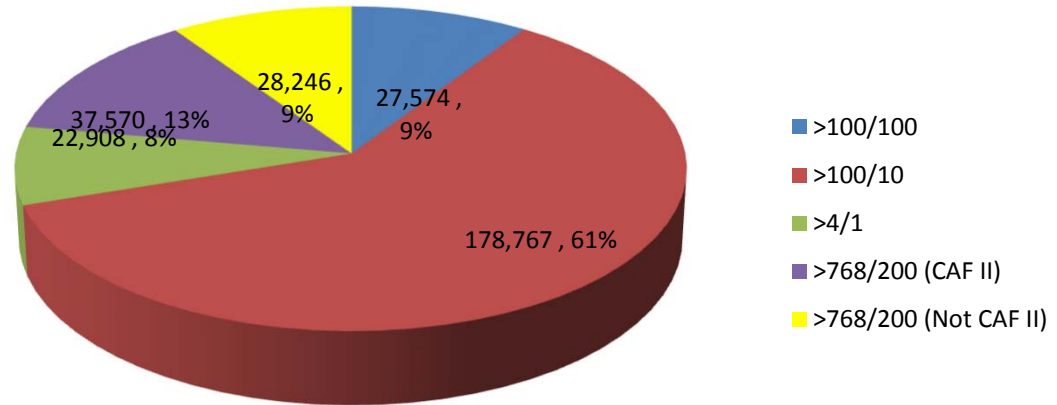
Department of Public Service



Current landscape

Vermont Broadband Speeds

Available Broadband Speed: Locations



Evolving Standard

- ❖ FCC updated definition of speed : As part of its 2015 Broadband Progress Report, the Federal Communications Commission voted to change the definition of broadband by raising the minimum download speeds needed from 4Mbps to 25Mbps, and the minimum upload speed from 1Mbps to 3Mbps, which effectively tripled the number of US households without broadband access

❖ 25/3

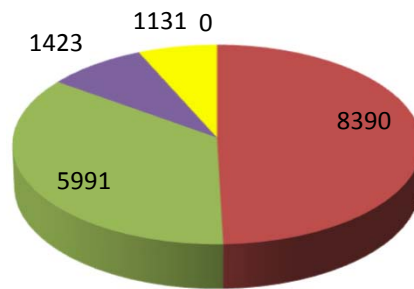


Vermont County Snapshots

Measuring availability and speeds in each of the
fourteen counties in Vermont

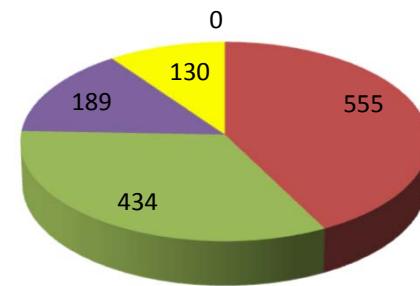
Addison County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



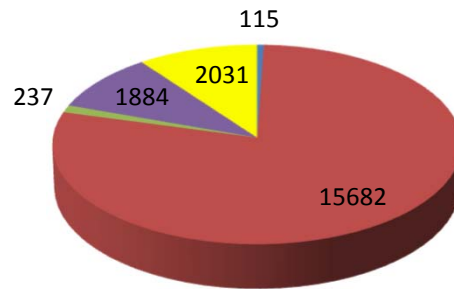
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Addison County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|------------|---------|--------|-------|--------------------|------------------------|--------|
| ADDISON | 0 | 0 | 742 | 0 | 0 | 742 |
| BRIDPORT | 0 | 0 | 645 | 0 | 0 | 645 |
| BRISTOL | 0 | 1,409 | 136 | 0 | 0 | 1,545 |
| CORNWALL | 0 | 0 | 536 | 0 | 0 | 536 |
| FERRISBURG | 0 | 742 | 470 | 216 | 184 | 1,612 |
| GOSHEN | 0 | 0 | 0 | 122 | 3 | 125 |
| GRANVILLE | 0 | 0 | 0 | 210 | 46 | 256 |
| HANCOCK | 0 | 0 | 5 | 135 | 93 | 233 |
| LEICESTER | 0 | 637 | 0 | 0 | 44 | 681 |
| LINCOLN | 0 | 334 | 293 | 0 | 0 | 627 |
| MIDDLEBUR | 0 | 2,596 | 41 | 31 | 138 | 2,806 |
| MONKTON | 0 | 560 | 179 | 62 | 25 | 826 |
| NEW HAVEN | 0 | 394 | 252 | 47 | 74 | 767 |
| ORWELL | 0 | 0 | 731 | 0 | 0 | 731 |
| PANTON | 0 | 6 | 315 | 0 | 0 | 321 |
| RIPTON | 0 | 0 | 41 | 251 | 78 | 370 |
| SALISBURY | 0 | 68 | 6 | 322 | 346 | 742 |
| SHOREHAM | 0 | 0 | 717 | 0 | 0 | 717 |
| STARSBOR | 0 | 528 | 370 | 0 | 0 | 898 |
| VERGENNES | 0 | 958 | 0 | 0 | 10 | 968 |
| WALTHAM | 0 | 77 | 24 | 24 | 90 | 215 |
| WEYBRIDGE | 0 | 81 | 311 | 3 | 0 | 395 |
| WHITING | 0 | 0 | 177 | 0 | 0 | 177 |
| Total | 0 | 8,390 | 5,991 | 1,423 | 1,131 | 16,935 |

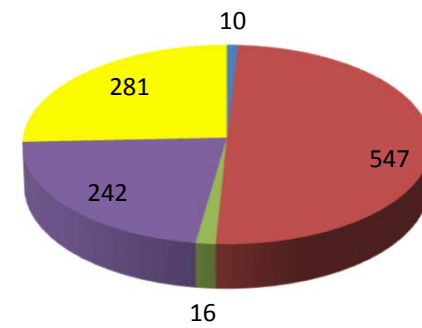
Bennington County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



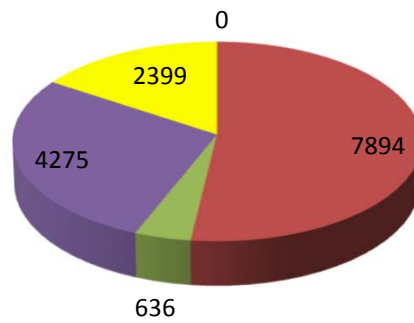
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Bennington County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|-------------|---------|--------|-----|--------------------|---------------------------|--------|
| ARLINGTON | 0 | 1,060 | 13 | 19 | 168 | 1,260 |
| BENNINGTON | 0 | 5,799 | 60 | 8 | 84 | 5,951 |
| DORSET | 9 | 1,082 | 1 | 60 | 312 | 1,464 |
| GLASTENBURY | 0 | 0 | 2 | 2 | 0 | 4 |
| LANDGROVE | 0 | 6 | 0 | 115 | 51 | 172 |
| MANCHESTER | 0 | 2,624 | 67 | 12 | 90 | 2,793 |
| PERU | 0 | 115 | 0 | 134 | 256 | 505 |
| POWNAI | 0 | 1,416 | 4 | 58 | 202 | 1,680 |
| READSBORO | 0 | 0 | 0 | 312 | 152 | 464 |
| RUPERT | 106 | 2 | 43 | 220 | 119 | 490 |
| SANDGATE | 0 | 0 | 5 | 273 | 32 | 310 |
| SEARSBURG | 0 | 1 | 0 | 114 | 4 | 119 |
| SHAFTSBURY | 0 | 1,230 | 41 | 125 | 281 | 1,677 |
| STAMFORD | 0 | 0 | 0 | 356 | 95 | 451 |
| SUNDERLAND | 0 | 502 | 1 | 14 | 26 | 543 |
| WINHALL | 0 | 1,494 | 0 | 54 | 149 | 1,697 |
| WOODFORD | 0 | 351 | 0 | 8 | 10 | 369 |
| Total | 115 | 15,682 | 237 | 1,884 | 2,031 | 19,949 |

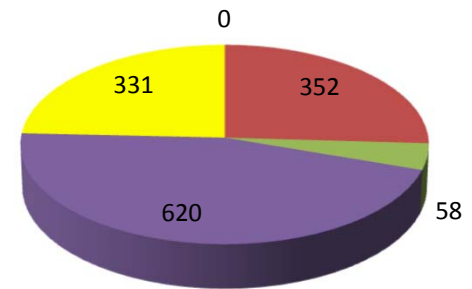
Caledonia County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



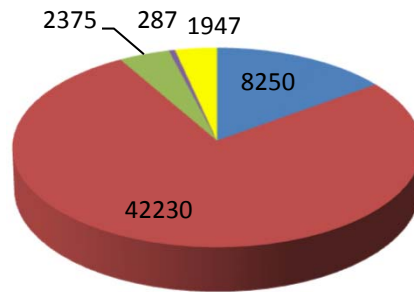
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Caledonia County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|---------------|---------|--------|-----|--------------------|---------------------------|--------|
| BARNET | 0 | 207 | 315 | 369 | 97 | 988 |
| BURKE | 0 | 556 | 1 | 152 | 260 | 969 |
| DANVILLE | 0 | 734 | 12 | 246 | 380 | 1,372 |
| GROTON | 0 | 195 | 18 | 268 | 194 | 675 |
| HARDWICK | 0 | 932 | 113 | 213 | 132 | 1,390 |
| KIRBY | 0 | 26 | 0 | 133 | 84 | 243 |
| LYNDON | 0 | 1,886 | 0 | 111 | 232 | 2,229 |
| NEWARK | 0 | 0 | 93 | 410 | 28 | 531 |
| PEACHAM | 0 | 159 | 0 | 295 | 86 | 540 |
| RYEGATE | 0 | 279 | 0 | 136 | 241 | 656 |
| SHEFFIELD | 0 | 109 | 38 | 237 | 64 | 448 |
| ST. JOHNSBURY | 0 | 2,512 | 41 | 179 | 135 | 2,867 |
| STANNARD | 0 | 0 | 0 | 113 | 18 | 131 |
| SUTTON | 0 | 117 | 0 | 195 | 148 | 460 |
| WALDEN | 0 | 10 | 1 | 470 | 143 | 624 |
| WATERFORD | 0 | 113 | 4 | 432 | 72 | 621 |
| WHEELLOCK | 0 | 59 | 0 | 316 | 85 | 460 |
| Total | 0 | 7,894 | 636 | 4,275 | 2,399 | 15,204 |

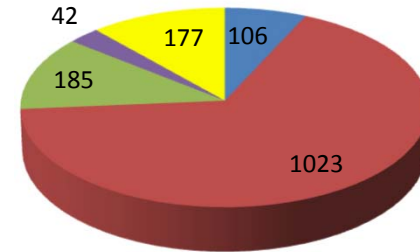
Chittenden County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



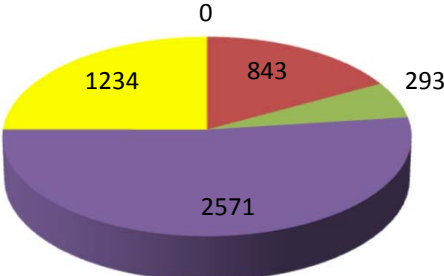
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Chittenden County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|------------------|---------|--------|-------|--------------------|---------------------------|--------|
| BOLTON | 0 | 8 | 477 | 10 | 0 | 495 |
| BUELS GORE | 0 | 0 | 14 | 0 | 0 | 14 |
| BURLINGTON | 8,248 | 3,195 | 14 | 5 | 30 | 11,492 |
| CHARLOTTE | 0 | 1,060 | 673 | 0 | 32 | 1,765 |
| COLCHESTER | 0 | 5,869 | 22 | 29 | 252 | 6,172 |
| ESSEX | 0 | 6,761 | 40 | 0 | 289 | 7,090 |
| HINESBURG | 0 | 1,278 | 546 | 0 | 0 | 1,824 |
| HUNTINGTON | 0 | 559 | 287 | 0 | 0 | 846 |
| JERICH0 | 0 | 1,697 | 17 | 11 | 218 | 1,943 |
| MILTON | 0 | 3,495 | 1 | 48 | 331 | 3,875 |
| RICHMOND | 0 | 1,508 | 181 | 0 | 0 | 1,689 |
| SHELBURNE | 0 | 2,796 | 9 | 36 | 204 | 3,045 |
| SOUTH BURLINGTON | 2 | 6,543 | 14 | 3 | 47 | 6,609 |
| ST. GEORGE | 0 | 266 | 29 | 0 | 4 | 299 |
| UNDERHILL | 0 | 851 | 0 | 117 | 232 | 1,200 |
| WESTFORD | 0 | 661 | 0 | 19 | 130 | 810 |
| WILLISTON | 0 | 3,881 | 44 | 9 | 178 | 4,112 |
| WINOOSKI | 0 | 1,802 | 7 | 0 | 0 | 1,809 |
| Total | 8,250 | 42,230 | 2,375 | 287 | 1,947 | 55,089 |

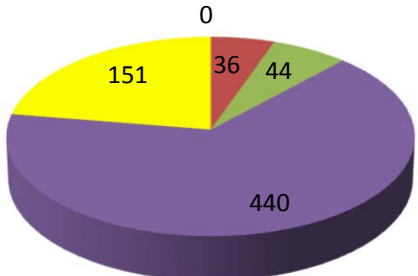
Essex County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



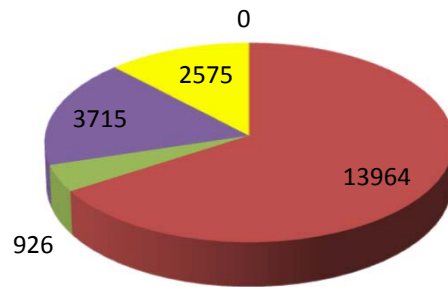
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Essex County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|---------------|---------|--------|-----|--------------------|---------------------------|-------|
| AVERILL | 0 | 0 | 0 | 102 | 108 | 210 |
| AVERYS GORE | 0 | 0 | 0 | 9 | 0 | 9 |
| BLOOMFIELD | 0 | 0 | 44 | 150 | 13 | 207 |
| BRIGHTON | 0 | 568 | 0 | 156 | 161 | 885 |
| BRUNSWICK | 0 | 0 | 0 | 61 | 4 | 65 |
| CANAAN | 0 | 0 | 0 | 350 | 215 | 565 |
| CONCORD | 0 | 275 | 0 | 288 | 297 | 860 |
| EAST HAVEN | 0 | 0 | 0 | 154 | 58 | 212 |
| FERDINAND | 0 | 0 | 0 | 75 | 3 | 78 |
| GRANBY | 0 | 0 | 39 | 59 | 1 | 99 |
| GUILDHALL | 0 | 0 | 66 | 99 | 9 | 174 |
| LEMINGTON | 0 | 0 | 15 | 62 | 8 | 85 |
| LEWIS | 0 | 0 | 0 | 35 | 10 | 45 |
| LUNENBURG | 0 | 0 | 0 | 583 | 211 | 794 |
| MAIDSTONE | 0 | 0 | 107 | 146 | 56 | 309 |
| NORTON | 0 | 0 | 0 | 137 | 58 | 195 |
| VICTORY | 0 | 0 | 22 | 63 | 13 | 98 |
| WARNERS GRANT | 0 | 0 | 0 | 0 | 3 | 3 |
| WARREN GORE | 0 | 0 | 0 | 42 | 6 | 48 |
| Total | 0 | 843 | 293 | 2,571 | 1,234 | 4,941 |

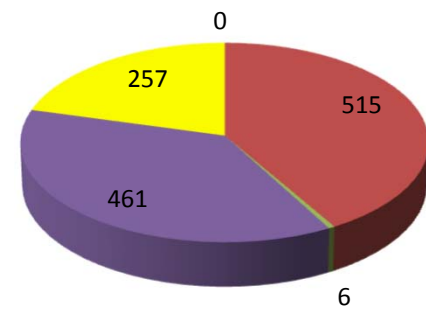
Franklin County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



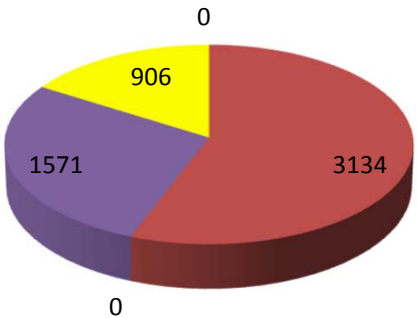
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Franklin County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|-----------------|---------|--------|-----|--------------------|---------------------------|--------|
| BAKERSFIELD | 0 | 203 | 0 | 313 | 114 | 630 |
| BERKSHIRE | 0 | 84 | 3 | 546 | 57 | 690 |
| ENOSBURG | 0 | 643 | 0 | 371 | 214 | 1,228 |
| FAIRFAX | 0 | 661 | 0 | 395 | 534 | 1,590 |
| FAIRFIELD | 0 | 85 | 0 | 626 | 208 | 919 |
| FLETCHER | 0 | 0 | 0 | 544 | 47 | 591 |
| FRANKLIN | 0 | 2 | 783 | 110 | 2 | 897 |
| GEORGIA | 0 | 1,601 | 0 | 59 | 240 | 1,900 |
| HIGHGATE | 0 | 1,640 | 42 | 0 | 59 | 1,741 |
| MONTGOMERY | 0 | 220 | 14 | 262 | 267 | 763 |
| RICHFORD | 0 | 689 | 0 | 217 | 78 | 984 |
| SHELDON | 0 | 229 | 43 | 249 | 367 | 888 |
| ST. ALBANS CITY | 0 | 2,533 | 0 | 0 | 1 | 2,534 |
| ST. ALBANS TOWN | 0 | 2,663 | 41 | 13 | 173 | 2,890 |
| SWANTON | 0 | 2,711 | 0 | 10 | 214 | 2,935 |
| Total | 0 | 13,964 | 926 | 3,715 | 2,575 | 21,180 |

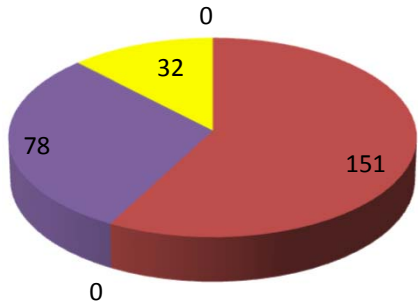
Grand Isle County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



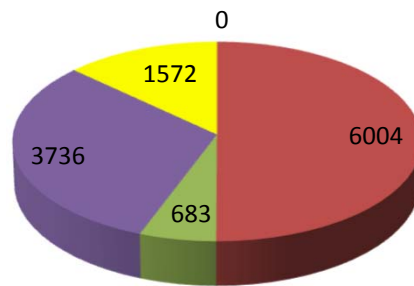
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Grand Isle

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|---------------|----------------|---------------|------------|----------------------------|------------------------------------|--------------|
| ALBURGH | 0 | 0 | 0 | 1,214 | 550 | 1,764 |
| GRAND ISLE | 0 | 1,182 | 0 | 0 | 64 | 1,246 |
| ISLE LA MOTTE | 0 | 0 | 0 | 357 | 140 | 497 |
| NORTH HERO | 0 | 950 | 0 | 0 | 46 | 996 |
| SOUTH HERO | 0 | 1,002 | 0 | 0 | 106 | 1,108 |
| Total | 0 | 3,134 | 0 | 1,571 | 906 | 5,611 |

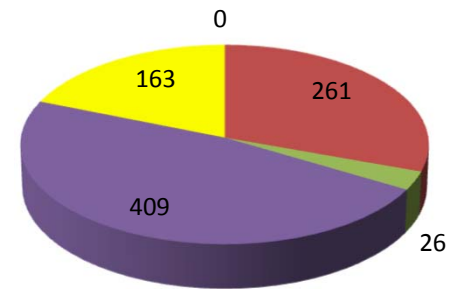
Lamoille County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



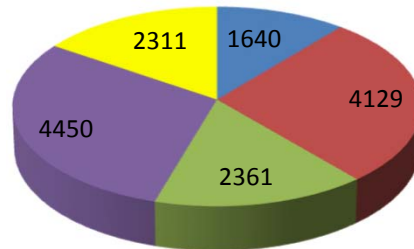
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Lamoille County

| | | | | | | |
|------------|---|-------|-----|-----|-----|-------|
| BELVIDERE | 0 | 0 | 179 | 28 | 10 | 217 |
| CAMBRIDGE | 0 | 636 | 0 | 703 | 259 | 1,598 |
| EDEN | 0 | 0 | 0 | 568 | 218 | 786 |
| ELMORE | 0 | 0 | 0 | 400 | 131 | 531 |
| HYDE PARK | 0 | 946 | 24 | 181 | 197 | 1,348 |
| JOHNSON | 0 | 886 | 0 | 137 | 217 | 1,240 |
| MORRISTOWN | 0 | 1,799 | 119 | 178 | 198 | 2,294 |
| STOWE | 0 | 1,737 | 334 | 622 | 163 | 2,856 |
| WATERVILLE | 0 | 0 | 0 | 258 | 67 | 325 |
| WOLCOTT | 0 | 0 | 27 | 661 | 112 | 800 |

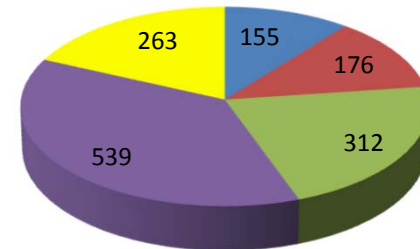
Orange County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



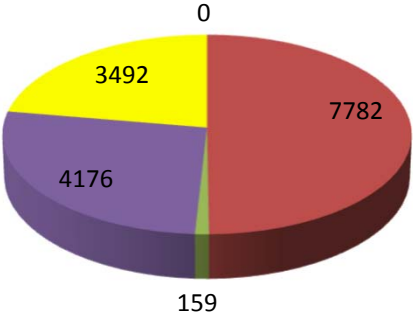
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Orange County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|--------------|---------|--------|-------|--------------------|---------------------------|--------|
| BRADFORD | 124 | 660 | 254 | 80 | 129 | 1,247 |
| BRAINTREE | 0 | 302 | 76 | 168 | 128 | 674 |
| BROOKFIELD | 0 | 3 | 62 | 483 | 124 | 672 |
| CHELSEA | 110 | 128 | 20 | 334 | 123 | 715 |
| CORINTH | 0 | 0 | 834 | 50 | 8 | 892 |
| FAIRLEE | 534 | 2 | 0 | 62 | 44 | 642 |
| NEWBURY | 1 | 404 | 79 | 663 | 190 | 1,337 |
| ORANGE | 0 | 37 | 102 | 262 | 127 | 528 |
| RANDOLPH | 0 | 1,481 | 117 | 153 | 221 | 1,972 |
| STRAFFORD | 131 | 0 | 1 | 428 | 57 | 617 |
| THETFORD | 317 | 14 | 0 | 545 | 470 | 1,346 |
| TOPSHAM | 6 | 0 | 664 | 45 | 1 | 716 |
| TUNBRIDGE | 47 | 86 | 90 | 361 | 172 | 756 |
| VERSHIRE | 287 | 0 | 0 | 159 | 10 | 456 |
| WASHINGTON | 0 | 190 | 38 | 245 | 99 | 572 |
| WEST FAIRLEE | 83 | 0 | 0 | 148 | 162 | 393 |
| WILLIAMSTOWN | 0 | 822 | 24 | 264 | 246 | 1,356 |
| Total | 1,640 | 4,129 | 2,361 | 4,450 | 2,311 | 14,891 |

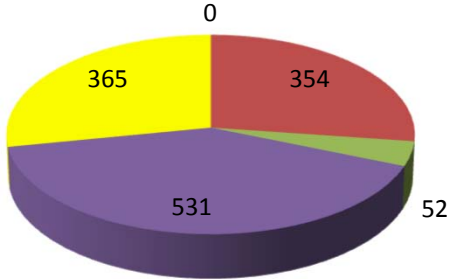
Orleans County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



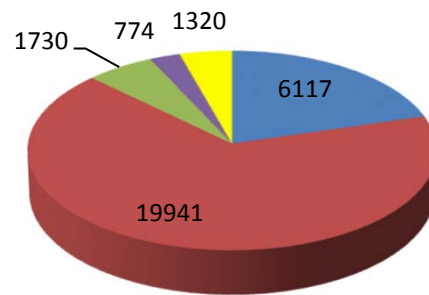
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Orleans County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|--------------|---------|--------|-----|--------------------|---------------------------|--------|
| ALBANY | 0 | 0 | 102 | 331 | 112 | 545 |
| BARTON | 0 | 911 | 0 | 185 | 367 | 1,463 |
| BROWNINGTON | 0 | 293 | 0 | 60 | 135 | 488 |
| CHARLESTON | 0 | 438 | 0 | 63 | 239 | 740 |
| COVENTRY | 0 | 214 | 0 | 143 | 104 | 461 |
| CRAFTSBURY | 0 | 0 | 0 | 525 | 145 | 670 |
| DERBY | 0 | 1,750 | 0 | 75 | 579 | 2,404 |
| GLOVER | 0 | 110 | 0 | 551 | 91 | 752 |
| GREENSBORO | 0 | 74 | 0 | 387 | 339 | 800 |
| HOLLAND | 0 | 4 | 0 | 396 | 39 | 439 |
| IRASBURG | 0 | 139 | 17 | 327 | 111 | 594 |
| JAY | 0 | 333 | 0 | 3 | 113 | 449 |
| LOWELL | 0 | 0 | 28 | 307 | 208 | 543 |
| MORGAN | 0 | 518 | 0 | 86 | 191 | 795 |
| NEWPORT CITY | 0 | 1,845 | 0 | 2 | 25 | 1,872 |
| NEWPORT TOWN | 0 | 383 | 2 | 225 | 207 | 817 |
| TROY | 0 | 653 | 9 | 69 | 120 | 851 |
| WESTFIELD | 0 | 117 | 1 | 108 | 126 | 352 |
| WESTMORE | 0 | 0 | 0 | 333 | 241 | 574 |
| Total | 0 | 7,782 | 159 | 4,176 | 3,492 | 15,609 |

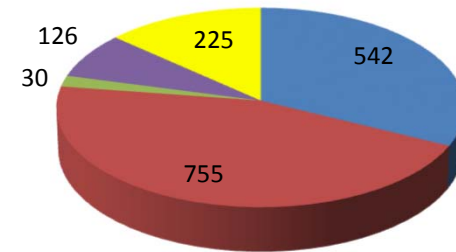
Rutland County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



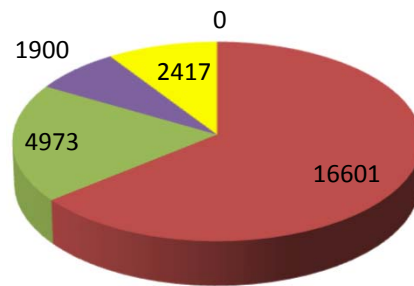
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Rutland County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|--------------------|---------|--------|-------|--------------------|---------------------------|--------|
| BENSON | 0 | 0 | 593 | 0 | 0 | 593 |
| BRANDON | 0 | 1,572 | 4 | 74 | 179 | 1,829 |
| CASTLETON | 0 | 1,966 | 91 | 14 | 113 | 2,184 |
| CHITTENDEN | 0 | 553 | 0 | 20 | 128 | 701 |
| CLARENDON | 18 | 1,094 | 1 | 4 | 68 | 1,185 |
| DANBY | 764 | 1 | 0 | 0 | 0 | 765 |
| FAIR HAVEN | 0 | 1,008 | 12 | 17 | 70 | 1,107 |
| HUBBARDTON | 0 | 64 | 559 | 0 | 0 | 623 |
| IRA | 145 | 51 | 1 | 0 | 5 | 202 |
| KILLINGTON | 1,098 | 213 | 0 | 2 | 18 | 1,331 |
| MENDON | 2 | 552 | 1 | 16 | 65 | 636 |
| MIDDLETOWN SPRINGS | 438 | 0 | 0 | 0 | 2 | 440 |
| MOUNT HOLLY | 1,070 | 15 | 2 | 0 | 0 | 1,087 |
| MOUNT TABOR | 142 | 0 | 0 | 0 | 0 | 142 |
| PAWLET | 478 | 246 | 0 | 66 | 37 | 827 |
| PITTSFIELD | 0 | 2 | 0 | 247 | 155 | 404 |
| PITTSFORD | 0 | 1,199 | 1 | 58 | 118 | 1,376 |
| POULTNEY | 3 | 1,403 | 0 | 114 | 142 | 1,662 |
| PROCTOR | 0 | 750 | 0 | 1 | 10 | 761 |
| RUTLAND | 0 | 1,662 | 34 | 3 | 69 | 1,768 |
| RUTLAND CITY | 0 | 5,871 | 9 | 0 | 7 | 5,887 |
| SHREWSBURY | 420 | 125 | 0 | 4 | 40 | 589 |
| SUDBURY | 0 | 0 | 420 | 3 | 2 | 425 |
| TINMOUTH | 340 | 0 | 0 | 0 | 0 | 340 |
| WALLINGFORD | 1,005 | 0 | 0 | 0 | 0 | 1,005 |
| WELLS | 194 | 705 | 0 | 0 | 44 | 943 |
| WEST HAVEN | 0 | 0 | 1 | 124 | 7 | 132 |
| WEST RUTLAND | 0 | 889 | 1 | 7 | 41 | 938 |
| Total | 6,117 | 19,941 | 1,730 | 774 | 1,320 | 29,882 |

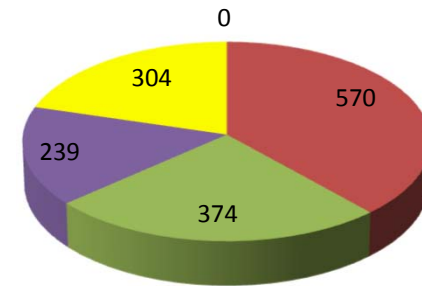
Washington County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



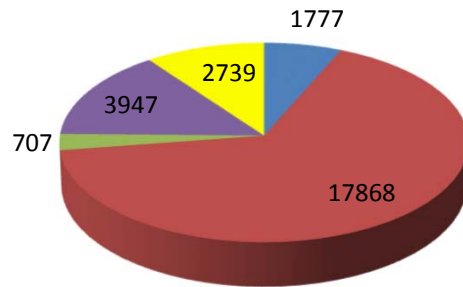
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Washington County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|-----------------|---------|--------|-------|--------------------|---------------------------|--------|
| BARRE CITY | 0 | 3,066 | 2 | 0 | 1 | 3,069 |
| BARRE TOWN | 0 | 3,105 | 61 | 2 | 109 | 3,277 |
| BERLIN | 0 | 1,010 | 73 | 127 | 118 | 1,328 |
| CABOT | 0 | 248 | 0 | 356 | 187 | 791 |
| CALAIS | 0 | 301 | 0 | 294 | 255 | 850 |
| DUXBURY | 0 | 308 | 33 | 65 | 234 | 640 |
| EAST MONTPELIER | 0 | 741 | 6 | 144 | 244 | 1,135 |
| FAYSTON | 0 | 0 | 942 | 0 | 0 | 942 |
| MARSHFIELD | 0 | 285 | 0 | 246 | 212 | 743 |
| MIDDLESEX | 0 | 400 | 1 | 230 | 187 | 818 |
| MONTPELIER | 0 | 2,774 | 12 | 0 | 9 | 2,795 |
| MORETOWN | 0 | 270 | 377 | 33 | 89 | 769 |
| NORTHFIELD | 0 | 1,366 | 507 | 9 | 4 | 1,886 |
| PLAINFIELD | 0 | 244 | 0 | 163 | 151 | 558 |
| ROXBURY | 0 | 0 | 452 | 19 | 7 | 478 |
| WAITSFIELD | 0 | 0 | 984 | 0 | 0 | 984 |
| WARREN | 0 | 0 | 1,491 | 0 | 0 | 1,491 |
| WATERBURY | 0 | 1,950 | 0 | 13 | 181 | 2,144 |
| WOODBURY | 0 | 341 | 32 | 171 | 195 | 739 |
| WORCESTER | 0 | 192 | 0 | 28 | 234 | 454 |
| Total | 0 | 16,601 | 4,973 | 1,900 | 2,417 | 25,891 |

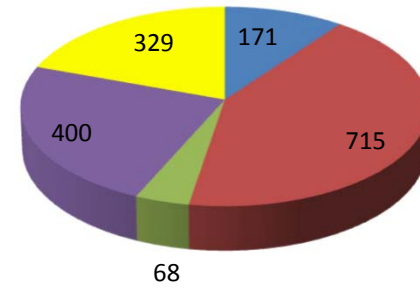
Windham County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



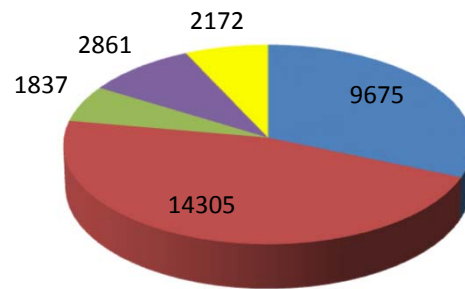
- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Windham County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|-------------|---------|--------|-----|--------------------|---------------------------|--------|
| ATHENS | 232 | 0 | 0 | 0 | 0 | 232 |
| BRATTLEBORO | 0 | 4,376 | 129 | 14 | 83 | 4,602 |
| BROOKLINE | 0 | 263 | 0 | 1 | 36 | 300 |
| DOVER | 0 | 2,744 | 0 | 252 | 114 | 3,110 |
| DUMMERSTON | 0 | 602 | 41 | 102 | 197 | 942 |
| GRAFTON | 532 | 0 | 0 | 0 | 0 | 532 |
| GUILFORD | 0 | 759 | 1 | 70 | 229 | 1,059 |
| HALIFAX | 0 | 0 | 164 | 412 | 7 | 583 |
| JAMAICA | 0 | 666 | 1 | 151 | 263 | 1,081 |
| LONDONDERRY | 2 | 1,106 | 0 | 10 | 274 | 1,392 |
| MARLBORO | 0 | 1 | 2 | 507 | 29 | 539 |
| NEWFANE | 0 | 716 | 67 | 113 | 171 | 1,067 |
| PUTNEY | 0 | 660 | 145 | 175 | 145 | 1,125 |
| ROCKINGHAM | 610 | 1,475 | 10 | 3 | 57 | 2,155 |
| SOMERSET | 0 | 0 | 0 | 27 | 0 | 27 |
| STRATTON | 0 | 356 | 2 | 169 | 85 | 612 |
| TOWNSHEND | 8 | 458 | 40 | 117 | 157 | 780 |
| VERNON | 0 | 769 | 0 | 1 | 81 | 851 |
| WARDSBORO | 0 | 0 | 49 | 576 | 241 | 866 |
| WESTMINSTER | 179 | 1,188 | 50 | 9 | 157 | 1,583 |
| WHITINGHAM | 0 | 0 | 6 | 695 | 206 | 907 |
| WILMINGTON | 0 | 1,717 | 0 | 370 | 176 | 2,263 |
| WINDHAM | 214 | 12 | 0 | 173 | 31 | 430 |
| Total | 1,777 | 17,868 | 707 | 3,947 | 2,739 | 27,038 |

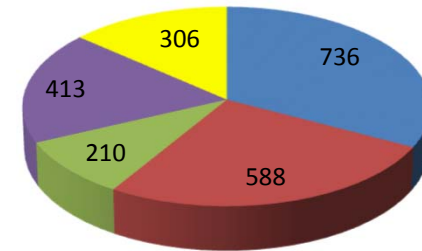
Windsor County

Locations



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Miles



- 100/100
- 100/10
- 4/1
- 768/200 CAF II
- 768/200 No CAF II

Windsor County

| Town | 100/100 | 100/10 | 4/1 | 768/200: CAF II | 768/200: Not CAF II | Total |
|---------------|---------|--------|-------|--------------------|---------------------------|--------|
| ANDOVER | 446 | 1 | 0 | 0 | 0 | 447 |
| BALTIMORE | 0 | 5 | 105 | 0 | 0 | 110 |
| BARNARD | 452 | 0 | 116 | 169 | 3 | 740 |
| BETHEL | 282 | 271 | 85 | 147 | 219 | 1,004 |
| BRIDGEWATER | 577 | 0 | 0 | 48 | 4 | 629 |
| CAVENDISH | 0 | 604 | 245 | 60 | 22 | 931 |
| CHESTER | 1,715 | 2 | 0 | 0 | 0 | 1,717 |
| HARTFORD | 0 | 4,333 | 227 | 57 | 104 | 4,721 |
| HARTLAND | 1,121 | 369 | 3 | 18 | 38 | 1,549 |
| LUDLOW | 0 | 2,163 | 254 | 0 | 0 | 2,417 |
| NORWICH | 351 | 782 | 0 | 163 | 215 | 1,511 |
| PLYMOUTH | 562 | 116 | 94 | 0 | 0 | 772 |
| POMFRET | 36 | 8 | 16 | 404 | 91 | 555 |
| READING | 6 | 179 | 47 | 177 | 99 | 508 |
| ROCHESTER | 0 | 367 | 11 | 177 | 262 | 817 |
| ROYALTON | 227 | 396 | 142 | 162 | 341 | 1,268 |
| SHARON | 57 | 6 | 138 | 438 | 95 | 734 |
| SPRINGFIELD | 3,650 | 5 | 1 | 0 | 0 | 3,656 |
| STOCKBRIDGE | 0 | 0 | 72 | 432 | 71 | 575 |
| WEATHERSFIELD | 83 | 1,172 | 220 | 44 | 38 | 1,557 |
| WEST WINDSOR | 9 | 281 | 3 | 285 | 142 | 720 |
| WESTON | 0 | 457 | 0 | 28 | 121 | 606 |
| WINDSOR | 1 | 1,384 | 0 | 8 | 64 | 1,457 |
| WOODSTOCK | 100 | 1,404 | 58 | 44 | 243 | 1,849 |
| Total | 9,675 | 14,305 | 1,837 | 2,861 | 2,172 | 30,850 |

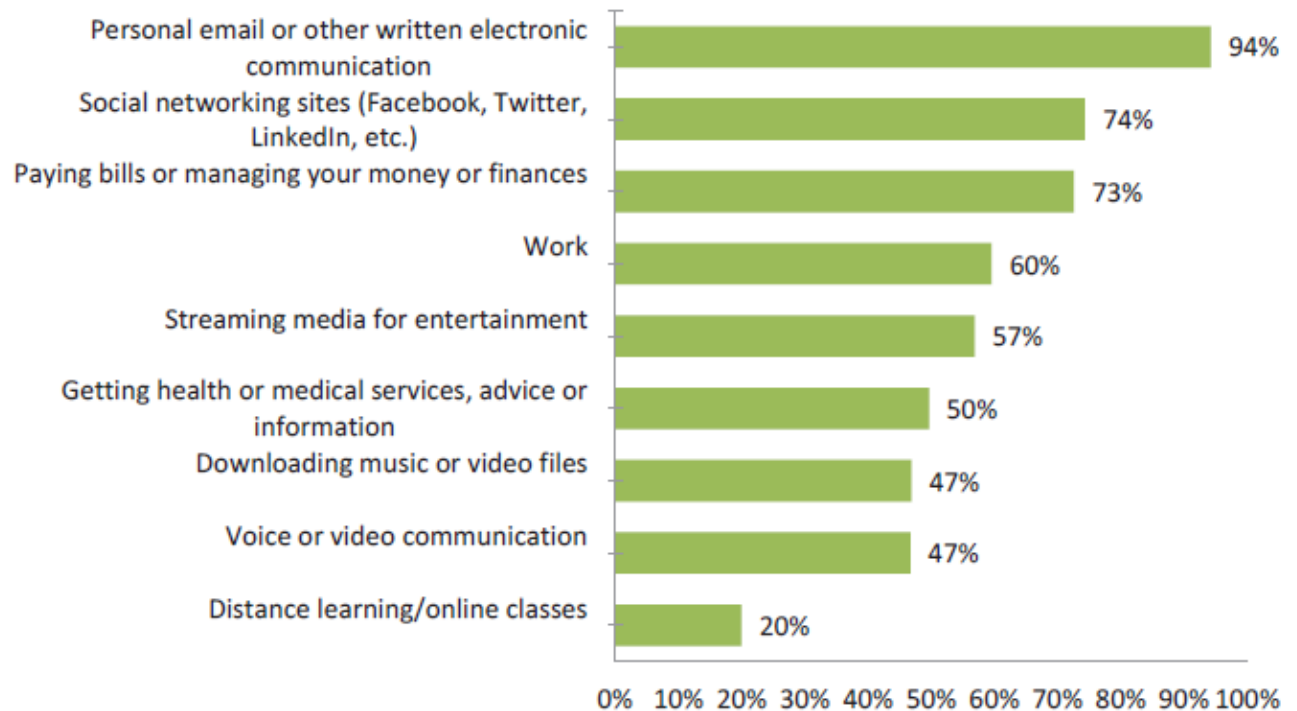


Importance of Connectivity

Vermont Online Usage

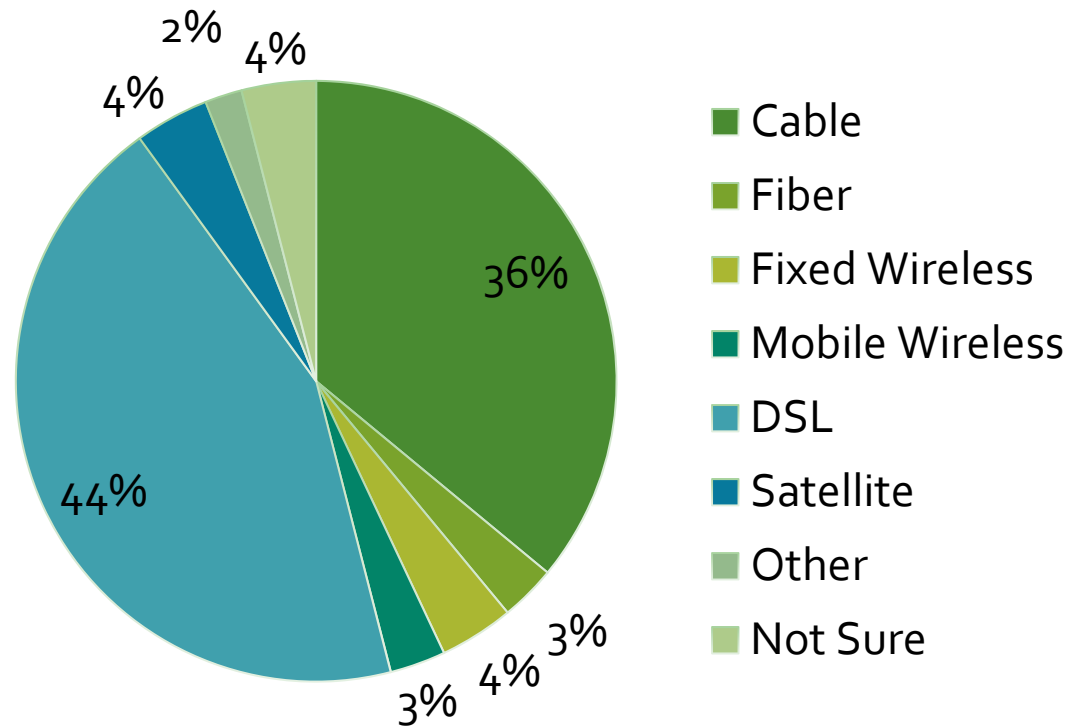
Based on our most recent residential survey, as of December 2014.

In last 4 weeks, used the Internet for ...



Means of connecting to internet



Connections





Projects in place

DPS Fiber



The future of broadband expansion

Connectivity Initiative

❖ **Title 30 VSA § 7515b.** (a) The purpose of the Connectivity Initiative is to provide each service location in Vermont access to Internet service that is capable of speeds of at least 4 Mbps download and 1 Mbps upload, beginning with locations not served as of December 31, 2013 according to the minimum technical service characteristic objectives applicable at that time.

Grant Program

- Connectivity Division will work with individual towns to address the access needs of the community and identify the solution(s) which best resolve connectivity troubles
- Division will help facilitate projects, assist with funding, and support each community
- In 2014: \$963,350 Connectivity Initiative grants awarded by the Department
- Preparing to open application period for the 2015 grants

Community Expansion Options

- Pay an existing provider to extend service
- Build and run a Municipal Broadband Network
- Establish a Broadband Cooperative
- Develop a Public-Private Partnership