

## Appendix D: Forecasting Data

**Appendix D.1:**  
Socioeconomic Data  
(Historical and Projected)

# BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

## Airport Master Plan

### A. Population

| Year                      | BTV Catchment Area<br>(000) | AAGR        | MSA<br>(000) | AAGR        | State of Vermont<br>(000) | AAGR        | United States<br>(000) | AAGR        |
|---------------------------|-----------------------------|-------------|--------------|-------------|---------------------------|-------------|------------------------|-------------|
| 2008                      | 839                         | -           | 209          | -           | 624                       | -           | 304,094                | -           |
| 2013                      | 840                         | 0.0%        | 215          | 0.5%        | 627                       | 0.1%        | 316,205                | 0.7%        |
| 2017                      | 852                         | 0.3%        | 223          | 0.8%        | 640                       | 0.4%        | 325,888                | 0.6%        |
| <b>AAGR<br/>2008-2017</b> | -                           | <b>0.2%</b> | -            | <b>0.6%</b> | -                         | <b>0.3%</b> | -                      | <b>0.7%</b> |
| 2018                      | 858                         | 0.6%        | 226          | 1.1%        | 645                       | 0.8%        | 328,911                | 0.9%        |
| 2023                      | 885                         | 0.6%        | 239          | 1.1%        | 670                       | 0.7%        | 344,505                | 0.9%        |
| 2028                      | 913                         | 0.6%        | 252          | 1.1%        | 694                       | 0.7%        | 360,689                | 0.9%        |
| 2033                      | 939                         | 0.6%        | 265          | 1.0%        | 718                       | 0.7%        | 376,816                | 0.9%        |
| 2038                      | 962                         | 0.5%        | 278          | 0.9%        | 739                       | 0.6%        | 392,027                | 0.8%        |
| <b>AAGR<br/>2018-2038</b> | -                           | <b>0.6%</b> | -            | <b>1.0%</b> | -                         | <b>0.7%</b> | -                      | <b>0.9%</b> |

Note: Woods & Poole Economics, Inc. data is estimated.

Source: Woods & Poole Economics, Inc., CHA, 2018.

### B. Employment

| Year                      | BTV Catchment Area<br>(000) | Percent<br>Employed | MSA<br>(000) | Percent<br>Employed | State of Vermont<br>(000) | Percent<br>Employed | United States<br>(000) | Percent<br>Employed |
|---------------------------|-----------------------------|---------------------|--------------|---------------------|---------------------------|---------------------|------------------------|---------------------|
| 2008                      | 546                         | 65.1%               | 151          | 72.3%               | 425                       | 68.0%               | 179,640                | 59.1%               |
| 2013                      | 541                         | 64.5%               | 158          | 73.4%               | 425                       | 67.8%               | 182,408                | 57.7%               |
| 2017                      | 570                         | 66.9%               | 169          | 75.9%               | 449                       | 70.2%               | 198,990                | 61.1%               |
| <b>AAGR<br/>2008-2017</b> | -                           | <b>0.4%</b>         | -            | <b>1.1%</b>         | -                         | <b>0.6%</b>         | -                      | <b>1.0%</b>         |
| 2018                      | 578                         | 67.4%               | 172          | 76.3%               | 455                       | 70.6%               | 202,638                | 61.6%               |
| 2023                      | 615                         | 69.5%               | 187          | 78.3%               | 485                       | 72.4%               | 217,445                | 63.1%               |
| 2028                      | 651                         | 71.3%               | 201          | 80.0%               | 513                       | 73.9%               | 232,065                | 64.3%               |
| 2033                      | 683                         | 72.7%               | 216          | 81.4%               | 539                       | 75.1%               | 246,223                | 65.3%               |
| 2038                      | 713                         | 74.1%               | 230          | 82.8%               | 564                       | 76.3%               | 259,306                | 66.1%               |
| <b>AAGR<br/>2018-2038</b> | -                           | <b>1.1%</b>         | -            | <b>1.4%</b>         | -                         | <b>1.1%</b>         | -                      | <b>1.2%</b>         |

Note: Woods & Poole Economics, Inc. data is estimated.

Source: Woods & Poole Economics, Inc., CHA, 2018.

### C. Per Capita Income

| Year                      | BTV Catchment Area<br>(\$) | AAGR        | MSA<br>(\$) | AAGR        | State of Vermont<br>(\$) | AAGR        | United States<br>(\$) | AAGR        |
|---------------------------|----------------------------|-------------|-------------|-------------|--------------------------|-------------|-----------------------|-------------|
| 2008                      | 36,716                     | -           | 43,001      | -           | 40,111                   | -           | 41,082                | -           |
| 2013                      | 41,614                     | 2.1%        | 48,061      | 1.9%        | 44,839                   | 1.9%        | 44,493                | 1.3%        |
| 2017                      | 46,368                     | 2.2%        | 53,115      | 2.0%        | 49,799                   | 2.1%        | 51,073                | 2.8%        |
| <b>AAGR<br/>2008-2017</b> | -                          | <b>2.4%</b> | -           | <b>2.1%</b> | -                        | <b>2.2%</b> | -                     | <b>2.2%</b> |
| 2018                      | 47,837                     | 3.2%        | 54,694      | 3.0%        | 51,320                   | 3.1%        | 52,920                | 3.6%        |
| 2023                      | 57,647                     | 3.8%        | 65,417      | 3.6%        | 61,632                   | 3.7%        | 64,172                | 3.9%        |
| 2028                      | 72,395                     | 4.7%        | 81,688      | 4.5%        | 77,183                   | 4.6%        | 81,186                | 4.8%        |
| 2033                      | 91,784                     | 4.9%        | 103,387     | 4.8%        | 97,713                   | 4.8%        | 104,015               | 5.1%        |
| 2038                      | 116,394                    | 4.9%        | 131,272     | 4.9%        | 123,932                  | 4.9%        | 133,375               | 5.1%        |
| <b>AAGR<br/>2018-2038</b> | -                          | <b>4.5%</b> | -           | <b>4.5%</b> | -                        | <b>4.5%</b> | -                     | <b>4.7%</b> |

Note: Woods & Poole Economics, Inc. data is estimated.

Source: Woods & Poole Economics, Inc., CHA, 2018.

## Appendix D.2

### National TAF and Projected Enplanements

**BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT**

Airport Master Plan

A. Four Standard FAA Methodologies

| Year                    | TAF (National) | TAF (BTV)    | TAF Scenarios |              |              | Historical Trends |             |             | Market Shares   |              |                          | Regressions      |                  |              |                         |                         |                                    |
|-------------------------|----------------|--------------|---------------|--------------|--------------|-------------------|-------------|-------------|-----------------|--------------|--------------------------|------------------|------------------|--------------|-------------------------|-------------------------|------------------------------------|
|                         |                |              | Adjusted      | Variable     | Extrapolated | 3-Year            | 5-Year      | 10-Year     | Static National | Static State | Adjusted Static Regional | Population Based | Employment Based | Income Based | Population-Income Based | Employment-Income Based | Population-Employment-Income Based |
| 2017                    | 849,778,702    | 585,099      | 591,558       | 591,558      | 591,558      | 591,558           | 591,558     | 591,558     | 591,558         | 591,558      | 591,558                  | 591,558          | 591,558          | 591,558      | 591,558                 | 591,558                 | 591,558                            |
| 2018                    | 890,291,834    | 635,407      | 596,472       | 642,421      | 667,004      | 590,735           | 586,786     | 576,995     | 619,760         | 641,986      | 626,322                  | 536,395          | 577,497          | 551,649      | 589,132                 | 593,279                 | 572,147                            |
| 2019                    | 913,728,598    | 642,620      | 601,427       | 649,714      | 672,545      | 589,913           | 582,053     | 562,790     | 636,076         | 649,216      | 644,613                  | 500,644          | 562,944          | 529,893      | 582,803                 | 580,065                 | 548,074                            |
| 2020                    | 935,645,084    | 649,004      | 606,422       | 656,168      | 678,131      | 589,092           | 577,357     | 548,934     | 651,332         | 655,615      | 661,310                  | 464,737          | 548,732          | 505,814      | 573,558                 | 562,031                 | 519,052                            |
| 2021                    | 956,546,716    | 654,748      | 611,460       | 661,976      | 683,764      | 588,273           | 572,700     | 535,420     | 665,883         | 661,373      | 677,104                  | 428,681          | 534,383          | 479,691      | 561,757                 | 540,548                 | 486,658                            |
| 2022                    | 977,557,958    | 660,417      | 616,539       | 667,707      | 689,444      | 587,454           | 568,080     | 522,239     | 680,509         | 667,055      | 693,180                  | 392,480          | 520,046          | 451,360      | 547,181                 | 515,043                 | 450,264                            |
| 2023                    | 997,975,531    | 665,850      | 621,660       | 673,200      | 695,171      | 586,637           | 563,498     | 509,382     | 694,723         | 672,501      | 709,322                  | 356,189          | 506,075          | 421,392      | 530,539                 | 485,920                 | 410,113                            |
| 2024                    | 1,017,870,101  | 671,288      | 626,824       | 678,698      | 700,946      | 585,821           | 558,952     | 496,841     | 708,572         | 677,952      | 725,541                  | 319,812          | 492,223          | 388,179      | 509,745                 | 450,712                 | 363,929                            |
| 2025                    | 1,037,739,224  | 676,630      | 632,031       | 684,099      | 706,768      | 585,006           | 554,443     | 484,610     | 722,403         | 683,307      | 741,888                  | 283,481          | 478,452          | 351,460      | 484,380                 | 409,013                 | 311,400                            |
| 2026                    | 1,058,064,711  | 682,068      | 637,281       | 689,597      | 712,639      | 584,192           | 549,971     | 472,679     | 736,553         | 688,758      | 758,650                  | 247,281          | 464,803          | 312,035      | 455,427                 | 362,194                 | 253,887                            |
| 2027                    | 1,078,945,157  | 687,719      | 642,575       | 695,311      | 718,559      | 583,379           | 545,534     | 461,042     | 751,088         | 694,422      | 776,035                  | 211,231          | 451,365          | 270,108      | 423,141                 | 310,472                 | 191,568                            |
| 2028                    | 1,100,425,276  | 693,485      | 647,913       | 701,140      | 724,528      | 582,567           | 541,134     | 449,692     | 766,041         | 700,202      | 794,069                  | 175,467          | 438,105          | 225,552      | 387,273                 | 253,672                 | 124,357                            |
| 2029                    | 1,122,470,320  | 699,330      | 653,295       | 707,050      | 730,546      | 581,757           | 536,769     | 438,621     | 781,387         | 706,061      | 812,583                  | 139,880          | 425,092          | 178,707      | 348,331                 | 192,284                 | 52,642                             |
| 2030                    | 1,144,532,141  | 705,197      | 658,721       | 712,982      | 736,614      | 580,947           | 532,439     | 427,823     | 796,745         | 711,942      | 831,217                  | 104,580          | 412,301          | 129,267      | 305,850                 | 125,801                 | -24,001                            |
| 2031                    | 1,166,756,362  | 710,793      | 664,193       | 718,640      | 742,733      | 580,139           | 528,144     | 417,290     | 812,216         | 717,551      | 850,057                  | 70,258           | 399,744          | 78,052       | 260,472                 | 55,686                  | -103,797                           |
| 2032                    | 1,188,947,607  | 716,358      | 669,710       | 724,266      | 748,903      | 579,332           | 523,883     | 407,017     | 827,664         | 723,130      | 868,789                  | 36,967           | 387,507          | 24,430       | 211,343                 | -19,359                 | -188,026                           |
| 2033                    | 1,210,889,703  | 721,769      | 675,273       | 729,737      | 755,124      | 578,526           | 519,657     | 396,997     | 842,939         | 728,554      | 887,313                  | 4,628            | 375,561          | -31,900      | 158,123                 | -99,830                 | -277,198                           |
| 2034                    | 1,233,507,621  | 727,329      | 680,883       | 735,358      | 761,396      | 577,721           | 515,465     | 387,223     | 858,684         | 734,127      | 906,445                  | -26,779          | 363,886          | -91,185      | 100,503                 | -186,135                | -371,711                           |
| 2035                    | 1,256,715,806  | 733,018      | 686,539       | 741,110      | 767,721      | 576,917           | 511,307     | 377,690     | 874,840         | 739,829      | 926,047                  | -57,233          | 352,411          | -154,370     | 37,246                  | -279,859                | -473,064                           |
| 2036                    | 1,280,257,145  | 738,702      | 692,241       | 746,857      | 774,098      | 576,115           | 507,183     | 368,392     | 891,228         | 745,527      | 945,919                  | -86,832          | 341,098          | -220,324     | -30,121                 | -378,882                | -579,222                           |
| 2037                    | 1,303,663,834  | 744,216      | 697,992       | 752,432      | 780,528      | 575,313           | 503,091     | 359,322     | 907,522         | 751,054      | 965,771                  | -115,603         | 329,977          | -288,315     | -100,634                | -481,938                | -688,979                           |
| 2038                    | 1,327,346,832  | 749,730      | 703,790       | 758,006      | 787,012      | 574,513           | 499,033     | 350,476     | 924,008         | 756,581      | 985,934                  | -143,572         | 319,036          | -358,687     | -174,723                | -589,626                | -802,928                           |
| <b>AAGR 2018-2038</b>   | <b>2.0%</b>    | <b>0.8%</b>  | <b>0.8%</b>   | <b>0.8%</b>  | <b>0.8%</b>  | <b>0.0%</b>       | <b>0.0%</b> | <b>0.0%</b> | <b>49.1%</b>    | <b>17.9%</b> | <b>2.3%</b>              | <b>0.0%</b>      | <b>0.0%</b>      | <b>0.0%</b>  | <b>0.0%</b>             | <b>0.0%</b>             | <b>0.0%</b>                        |
| <b>Growth 2018-2038</b> | <b>49.1%</b>   | <b>18.0%</b> | <b>18.0%</b>  | <b>18.0%</b> | <b>18.0%</b> | <b>0.0%</b>       | <b>0.0%</b> | <b>0.0%</b> | <b>0.0%</b>     | <b>0.0%</b>  | <b>57.4%</b>             | <b>0.0%</b>      | <b>0.0%</b>      | <b>0.0%</b>  | <b>0.0%</b>             | <b>0.0%</b>             | <b>0.0%</b>                        |

Source: FAA TAF, Burlington Airport Commission, CHA, 2018.



## BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

### Airport Master Plan

#### B. Additional Methodologies

| Year                        | TAF<br>(National) | TAF<br>(BTV) | Population<br>Econometric | Extrapolated<br>Population Econometric | Extrapolated Static<br>Regional Market Share |
|-----------------------------|-------------------|--------------|---------------------------|--|--|
| 2017                        | 849,778,702       | 585,099      | 591,558                   | 591,558                                | 591,558                                      |
| 2018                        | 890,291,834       | 635,407      | 594,961                   | 667,004                                | 667,004                                      |
| 2019                        | 913,728,598       | 642,620      | 598,383                   | 670,818                                | 693,788                                      |
| 2020                        | 935,645,084       | 649,004      | 601,825                   | 674,655                                | 711,759                                      |
| 2021                        | 956,546,716       | 654,748      | 605,287                   | 678,513                                | 728,758                                      |
| 2022                        | 977,557,958       | 660,417      | 608,769                   | 682,393                                | 746,060                                      |
| 2023                        | 997,975,531       | 665,850      | 612,270                   | 686,295                                | 763,433                                      |
| 2024                        | 1,017,870,101     | 671,288      | 615,792                   | 690,220                                | 780,890                                      |
| 2025                        | 1,037,739,224     | 676,630      | 619,334                   | 694,167                                | 798,484                                      |
| 2026                        | 1,058,064,711     | 682,068      | 622,897                   | 698,136                                | 816,525                                      |
| 2027                        | 1,078,945,157     | 687,719      | 626,480                   | 702,129                                | 835,236                                      |
| 2028                        | 1,100,425,276     | 693,485      | 630,084                   | 706,144                                | 854,645                                      |
| 2029                        | 1,122,470,320     | 699,330      | 633,708                   | 710,182                                | 874,572                                      |
| 2030                        | 1,144,532,141     | 705,197      | 637,353                   | 714,243                                | 894,628                                      |
| 2031                        | 1,166,756,362     | 710,793      | 641,019                   | 718,328                                | 914,904                                      |
| 2032                        | 1,188,947,607     | 716,358      | 644,707                   | 722,436                                | 935,066                                      |
| 2033                        | 1,210,889,703     | 721,769      | 648,415                   | 726,567                                | 955,002                                      |
| 2034                        | 1,233,507,621     | 727,329      | 652,145                   | 730,722                                | 975,594                                      |
| 2035                        | 1,256,715,806     | 733,018      | 655,896                   | 734,901                                | 996,692                                      |
| 2036                        | 1,280,257,145     | 738,702      | 659,669                   | 739,103                                | 1,018,080                                    |
| 2037                        | 1,303,663,834     | 744,216      | 663,463                   | 743,330                                | 1,039,446                                    |
| 2038                        | 1,327,346,832     | 749,730      | 667,280                   | 747,581                                | 1,061,147                                    |
| <b>AAGR<br/>2018-2038</b>   | <b>2.0%</b>       | <b>0.8%</b>  | <b>0.6%</b>               | <b>0.6%</b>                            | <b>2.3%</b>                                  |
| <b>Growth<br/>2018-2038</b> | <b>49.1%</b>      | <b>18.0%</b> | <b>12.2%</b>              | <b>12.1%</b>                           | <b>59.1%</b>                                 |

Note: The Woods & Poole Economics, Inc. data used in the calculations of the Population Econometric and Extrapolated Population Econometric scenarios is estimated.

Source: Woods & Poole Economics, Inc., FAA TAF, Burlington Airport Commission, CHA, 2018.

**Appendix D.3**  
Air Cargo Forecasts  
(Volume and Operations)

# BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

## Airport Master Plan

### Air Cargo Volume and Operations Forecast

| Year                    | Volume (lbs) | Operations   |
|-------------------------|--------------|--------------|
| 2017                    | 10,726,000   | 1,396        |
| 2018                    | 10,929,436   | 1,422        |
| 2019                    | 11,136,730   | 1,449        |
| 2020                    | 11,347,956   | 1,477        |
| 2021                    | 11,563,188   | 1,505        |
| 2022                    | 11,782,502   | 1,534        |
| 2023                    | 12,005,976   | 1,563        |
| 2024                    | 12,233,688   | 1,592        |
| 2025                    | 12,465,720   | 1,622        |
| 2026                    | 12,702,152   | 1,653        |
| 2027                    | 12,943,069   | 1,685        |
| 2028                    | 13,188,554   | 1,717        |
| 2029                    | 13,438,696   | 1,749        |
| 2030                    | 13,693,583   | 1,782        |
| 2031                    | 13,953,303   | 1,816        |
| 2032                    | 14,217,950   | 1,850        |
| 2033                    | 14,487,616   | 1,886        |
| 2034                    | 14,762,397   | 1,921        |
| 2035                    | 15,042,389   | 1,958        |
| 2036                    | 15,327,692   | 1,995        |
| 2037                    | 15,618,406   | 2,033        |
| 2038                    | 15,914,634   | 2,071        |
| <b>AAGR 2018-2038</b>   | <b>1.9%</b>  | <b>1.9%</b>  |
| <b>Growth 2018-2038</b> | <b>45.6%</b> | <b>45.6%</b> |

Source: FAA Aerospace Forecast (FY 2018-2038), Boeing World Air Cargo Forecast (2016-2017), Airbus Global Market Forecast (FU 2018-2037), Burlington Airport Commission, CHA, 2018.

**Appendix D.4**  
General Aviation Forecasts and Methodologies  
(Based Aircraft and Operations)

# BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

## Airport Master Plan

### A. Based Aircraft Forecast Methodologies.

#### Adjusted TAF

| Year                        | TAF          | BTV at TAF<br>growth Rate | % Difference<br>From TAF |
|-----------------------------|--------------|---------------------------|--------------------------|
| 2017                        | 115          | 92                        | -20.0%                   |
| 2018                        | 116          | 93                        | -19.6%                   |
| 2019                        | 118          | 95                        | -19.8%                   |
| 2020                        | 119          | 96                        | -19.4%                   |
| 2021                        | 120          | 97                        | -19.0%                   |
| 2022                        | 122          | 99                        | -19.2%                   |
| 2023                        | 123          | 100                       | -18.7%                   |
| 2024                        | 125          | 101                       | -18.9%                   |
| 2025                        | 127          | 103                       | -19.1%                   |
| 2026                        | 129          | 104                       | -19.2%                   |
| 2027                        | 131          | 106                       | -19.3%                   |
| 2028                        | 133          | 107                       | -19.5%                   |
| 2029                        | 135          | 109                       | -19.5%                   |
| 2030                        | 137          | 110                       | -19.6%                   |
| 2031                        | 139          | 112                       | -19.7%                   |
| 2032                        | 141          | 113                       | -19.7%                   |
| 2033                        | 143          | 115                       | -19.7%                   |
| 2034                        | 145          | 116                       | -19.7%                   |
| 2035                        | 147          | 118                       | -19.7%                   |
| 2036                        | 149          | 120                       | -19.7%                   |
| 2037                        | 151          | 121                       | -19.6%                   |
| 2038                        | 153          | 123                       | -19.6%                   |
| <b>AAGR<br/>2018-2038</b>   | <b>1.4%</b>  | <b>1.4%</b>               | <b>-</b>                 |
| <b>Growth<br/>2018-2038</b> | <b>31.9%</b> | <b>31.9%</b>              | <b>-</b>                 |

Source: FAA Aerospace Forecast FY 2018-2038, FAA 2018 TAF, Airport Master Record (Form 5010), Burlington Airport Commission, CHA, 2018.

#### FAA Aerospace Forecast Scenario

##### a. FAA National Average Annual Growth Rates for GA Aircraft

| Period                | Single Engine | Multi-Engine Piston | Turbo-Prop | Jet  | Rotor-craft |
|-----------------------|---------------|---------------------|------------|------|-------------|
| <b>AAGR 2018-2023</b> | -0.8%         | -0.3%               | -0.4%      | 2.4% | 1.9%        |
| <b>AAGR 2023-2028</b> | -1.1%         | -0.4%               | 1.8%       | 2.2% | 1.8%        |
| <b>AAGR 2028-2033</b> | -1.1%         | -0.5%               | 2.6%       | 2.1% | 1.8%        |
| <b>AAGR 2033-2038</b> | -1.1%         | -0.7%               | 3.4%       | 2.5% | 2.2%        |
| <b>AAGR 2018-2038</b> | -1.0%         | -0.4%               | 1.7%       | 2.2% | 1.8%        |

Source: FAA Aerospace Forecast FY 2018-2038, CHA, 2018.

## BURLINGTON INTERNATIONAL AIRPORT (BTV), BURLINGTON, VERMONT

### Airport Master Plan

#### b. FAA Aerospace Forecast

| Period                      | Single Engine | Multi-Engine Piston | Turbo-Prop | Jet          | Rotor-craft  | Military    | Total       |
|-----------------------------|---------------|---------------------|------------|--------------|--------------|-------------|-------------|
| 2017                        | 45            | 4                   | 0          | 13           | 2            | 28          | 92          |
| 2018                        | 45            | 4                   | 0          | 13           | 2            | 28          | 92          |
| 2019                        | 44            | 4                   | 0          | 14           | 2            | 28          | 92          |
| 2020                        | 44            | 4                   | 0          | 14           | 2            | 28          | 92          |
| 2021                        | 44            | 4                   | 0          | 14           | 2            | 28          | 92          |
| 2022                        | 43            | 4                   | 0          | 15           | 2            | 28          | 92          |
| 2023                        | 43            | 4                   | 0          | 15           | 2            | 28          | 92          |
| 2024                        | 42            | 4                   | 0          | 15           | 2            | 28          | 92          |
| 2025                        | 42            | 4                   | 0          | 16           | 2            | 28          | 92          |
| 2026                        | 42            | 4                   | 0          | 16           | 2            | 28          | 92          |
| 2027                        | 41            | 4                   | 0          | 16           | 2            | 28          | 92          |
| 2028                        | 41            | 4                   | 0          | 17           | 2            | 28          | 92          |
| 2029                        | 40            | 4                   | 0          | 17           | 2            | 28          | 92          |
| 2030                        | 40            | 4                   | 0          | 17           | 3            | 28          | 92          |
| 2031                        | 39            | 4                   | 0          | 18           | 3            | 28          | 92          |
| 2032                        | 39            | 4                   | 0          | 18           | 3            | 28          | 92          |
| 2033                        | 39            | 4                   | 0          | 19           | 3            | 28          | 92          |
| 2034                        | 38            | 4                   | 0          | 19           | 3            | 28          | 92          |
| 2035                        | 38            | 4                   | 0          | 20           | 3            | 28          | 92          |
| 2036                        | 37            | 4                   | 0          | 20           | 3            | 28          | 92          |
| 2037                        | 37            | 4                   | 0          | 21           | 3            | 28          | 92          |
| 2038                        | 36            | 4                   | 0          | 21           | 3            | 28          | 92          |
| <b>AAGR<br/>2018-2038</b>   | <b>-1.0%</b>  | <b>-0.5%</b>        | <b>-</b>   | <b>2.3%</b>  | <b>1.9%</b>  | <b>0.0%</b> | <b>0.0%</b> |
| <b>Growth<br/>2018-2038</b> | <b>-18.3%</b> | <b>-8.8%</b>        | <b>-</b>   | <b>58.1%</b> | <b>46.3%</b> | <b>0.0%</b> | <b>0.2%</b> |

Source: FAA Aerospace Forecast FY 2018-2038, Burlington Airport Commission, CHA, 2018.

# BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

## Airport Master Plan

### Market Share Scenarios

| Year                        | National     | State       | Regional     |
|-----------------------------|--------------|-------------|--------------|
| 2017                        | 92           | 92          | 92           |
| 2018                        | 93           | 92          | 93           |
| 2019                        | 93           | 93          | 94           |
| 2020                        | 94           | 93          | 95           |
| 2021                        | 95           | 93          | 95           |
| 2022                        | 96           | 93          | 96           |
| 2023                        | 97           | 93          | 97           |
| 2024                        | 97           | 94          | 98           |
| 2025                        | 98           | 94          | 99           |
| 2026                        | 99           | 95          | 100          |
| 2027                        | 100          | 95          | 101          |
| 2028                        | 100          | 95          | 102          |
| 2029                        | 101          | 96          | 103          |
| 2030                        | 102          | 96          | 103          |
| 2031                        | 103          | 96          | 104          |
| 2032                        | 103          | 97          | 105          |
| 2033                        | 104          | 97          | 106          |
| 2034                        | 105          | 98          | 107          |
| 2035                        | 106          | 98          | 108          |
| 2036                        | 107          | 98          | 109          |
| 2037                        | 107          | 99          | 110          |
| 2038                        | 108          | 99          | 111          |
| <b>AAGR<br/>2018-2038</b>   | <b>0.8%</b>  | <b>0.4%</b> | <b>0.9%</b>  |
| <b>Growth<br/>2018-2038</b> | <b>16.6%</b> | <b>7.5%</b> | <b>19.7%</b> |

Source: FAA Aerospace Forecast FY 2018-2038, Airport Master Record (Form 5010), Burlington Airport Commission, CHA, 2018.



**BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT**

Airport Master Plan

B. GA Operations Forecast Methodologies

Historical Trend Scenarios

| Year                    | TAF         | 3-Year Time Series |          |                |          |                     | 5-Year Time Series |          |                |          |                     | 10-Year Time Series |          |                |          |                     |
|-------------------------|-------------|--------------------|----------|----------------|----------|---------------------|--------------------|----------|----------------|----------|---------------------|---------------------|----------|----------------|----------|---------------------|
|                         |             | Itinerant GA       | Local GA | Total Civil GA | Military | Total GA Operations | Itinerant GA       | Local GA | Total Civil GA | Military | Total GA Operations | Itinerant GA        | Local GA | Total Civil GA | Military | Total GA Operations |
| 2017                    | 39,132      | 25,494             | 11,838   | 37,332         | 8,567    | 45,899              | 25,494             | 11,838   | 37,332         | 8,567    | 45,899              | 25,494              | 11,838   | 37,332         | 8,567    | 45,899              |
| 2018                    | 38,765      | 26,332             | 10,005   | 36,337         | 8,567    | 44,904              | 26,361             | 10,428   | 36,789         | 8,567    | 45,356              | 24,962              | 10,998   | 35,960         | 8,567    | 44,527              |
| 2019                    | 38,795      | 27,197             | 8,456    | 35,654         | 8,567    | 44,221              | 27,258             | 9,186    | 36,444         | 8,567    | 45,011              | 24,441              | 10,217   | 34,658         | 8,567    | 43,225              |
| 2020                    | 38,825      | 28,091             | 7,147    | 35,238         | 8,567    | 43,805              | 28,186             | 8,092    | 36,278         | 8,567    | 44,845              | 23,931              | 9,492    | 33,423         | 8,567    | 41,990              |
| 2021                    | 38,855      | 29,014             | 6,041    | 35,055         | 5,954    | 41,009              | 29,144             | 7,128    | 36,273         | 5,954    | 42,227              | 23,432              | 8,818    | 32,250         | 5,954    | 38,204              |
| 2022                    | 38,885      | 29,968             | 5,106    | 35,074         | 5,954    | 41,028              | 30,136             | 6,279    | 36,415         | 5,954    | 42,369              | 22,943              | 8,192    | 31,135         | 5,954    | 37,089              |
| 2023                    | 38,915      | 30,953             | 4,315    | 35,268         | 5,954    | 41,222              | 31,161             | 5,532    | 36,693         | 5,954    | 42,647              | 22,464              | 7,611    | 30,075         | 5,954    | 36,029              |
| 2024                    | 38,945      | 31,970             | 3,647    | 35,617         | 5,954    | 41,571              | 32,221             | 4,873    | 37,094         | 5,954    | 43,048              | 21,995              | 7,070    | 29,066         | 5,954    | 35,020              |
| 2025                    | 38,975      | 33,021             | 3,083    | 36,103         | 5,954    | 42,057              | 33,318             | 4,292    | 37,610         | 5,954    | 43,564              | 21,536              | 6,568    | 28,105         | 5,954    | 34,059              |
| 2026                    | 39,005      | 34,106             | 2,605    | 36,711         | 5,954    | 42,665              | 34,451             | 3,781    | 38,232         | 5,954    | 44,186              | 21,087              | 6,102    | 27,189         | 5,954    | 33,143              |
| 2027                    | 39,035      | 35,227             | 2,202    | 37,429         | 5,954    | 43,383              | 35,623             | 3,331    | 38,954         | 5,954    | 44,908              | 20,647              | 5,669    | 26,316         | 5,954    | 32,270              |
| 2028                    | 39,065      | 36,385             | 1,861    | 38,246         | 5,954    | 44,200              | 36,835             | 2,934    | 39,770         | 5,954    | 45,724              | 20,216              | 5,267    | 25,483         | 5,954    | 31,437              |
| 2029                    | 39,095      | 37,580             | 1,573    | 39,153         | 5,954    | 45,107              | 38,088             | 2,585    | 40,673         | 5,954    | 46,627              | 19,794              | 4,893    | 24,687         | 5,954    | 30,641              |
| 2030                    | 39,125      | 38,816             | 1,330    | 40,145         | 5,954    | 46,099              | 39,384             | 2,277    | 41,661         | 5,954    | 47,615              | 19,381              | 4,545    | 23,927         | 5,954    | 29,881              |
| 2031                    | 39,155      | 40,091             | 1,124    | 41,215         | 5,954    | 47,169              | 40,724             | 2,006    | 42,730         | 5,954    | 48,684              | 18,977              | 4,223    | 23,200         | 5,954    | 29,154              |
| 2032                    | 39,185      | 41,409             | 950      | 42,359         | 5,954    | 48,313              | 42,110             | 1,767    | 43,877         | 5,954    | 49,831              | 18,581              | 3,923    | 22,504         | 5,954    | 28,458              |
| 2033                    | 39,215      | 42,770             | 803      | 43,572         | 5,954    | 49,526              | 43,542             | 1,556    | 45,099         | 5,954    | 51,053              | 18,193              | 3,645    | 21,838         | 5,954    | 27,792              |
| 2034                    | 39,245      | 44,175             | 678      | 44,854         | 5,954    | 50,808              | 45,024             | 1,371    | 46,395         | 5,954    | 52,349              | 17,813              | 3,386    | 21,199         | 5,954    | 27,153              |
| 2035                    | 39,275      | 45,627             | 573      | 46,201         | 5,954    | 52,155              | 46,556             | 1,208    | 47,763         | 5,954    | 53,717              | 17,442              | 3,146    | 20,587         | 5,954    | 26,541              |
| 2036                    | 39,305      | 47,127             | 485      | 47,611         | 5,954    | 53,565              | 48,139             | 1,064    | 49,203         | 5,954    | 55,157              | 17,078              | 2,922    | 20,000         | 5,954    | 25,954              |
| 2037                    | 39,335      | 48,676             | 410      | 49,085         | 5,954    | 55,039              | 49,777             | 937      | 50,714         | 5,954    | 56,668              | 16,721              | 2,715    | 19,436         | 5,954    | 25,390              |
| 2038                    | 39,365      | 50,275             | 346      | 50,622         | 5,954    | 56,576              | 51,471             | 826      | 52,296         | 5,954    | 58,250              | 16,372              | 2,522    | 18,895         | 5,954    | 24,849              |
| <b>AAGR 2018-2038</b>   | <b>0.1%</b> | 3.3%               | -15.5%   | 1.7%           | -1.8%    | 1.2%                | 3.4%               | -11.9%   | 1.8%           | -1.8%    | 1.3%                | -2.1%               | -7.1%    | -3.2%          | -1.8%    | -2.9%               |
| <b>Growth 2018-2038</b> | <b>1.5%</b> | 90.9%              | -96.5%   | 39.3%          | -30.5%   | 26.0%               | 95.3%              | -92.1%   | 42.2%          | -30.5%   | 28.4%               | -34.4%              | -77.1%   | -47.5%         | -30.5%   | -44.2%              |

Source: FAA Aerospace Forecast FY 2018-2038, Burlington Airport Commission, CHA, 2018.



## BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

### Airport Master Plan

#### OPBA

| Year                    | Based Aircraft | Itinerant GA | Local GA | Total GA Ops | OPBA |
|-------------------------|----------------|--------------|----------|--------------|------|
| 2017                    | 92             | 25,494       | 11,838   | 37,332       | 406  |
| 2018                    | 93             | 25,715       | 11,940   | 37,655       | 406  |
| 2019                    | 94             | 25,939       | 12,045   | 37,984       | 406  |
| 2020                    | 95             | 26,189       | 12,161   | 38,350       | 406  |
| 2021                    | 95             | 26,440       | 12,277   | 38,717       | 406  |
| 2022                    | 96             | 26,652       | 12,376   | 39,027       | 406  |
| 2023                    | 97             | 26,940       | 12,509   | 39,449       | 406  |
| 2024                    | 98             | 27,194       | 12,628   | 39,822       | 406  |
| 2025                    | 99             | 27,436       | 12,740   | 40,176       | 406  |
| 2026                    | 100            | 27,682       | 12,854   | 40,536       | 406  |
| 2027                    | 101            | 27,932       | 12,970   | 40,903       | 406  |
| 2028                    | 102            | 28,178       | 13,084   | 41,263       | 406  |
| 2029                    | 103            | 28,428       | 13,201   | 41,629       | 406  |
| 2030                    | 103            | 28,679       | 13,317   | 41,995       | 406  |
| 2031                    | 104            | 28,925       | 13,431   | 42,356       | 406  |
| 2032                    | 105            | 29,179       | 13,549   | 42,728       | 406  |
| 2033                    | 106            | 29,433       | 13,667   | 43,101       | 406  |
| 2034                    | 107            | 29,696       | 13,789   | 43,486       | 406  |
| 2035                    | 108            | 29,955       | 13,909   | 43,864       | 406  |
| 2036                    | 109            | 30,218       | 14,032   | 44,249       | 406  |
| 2037                    | 110            | 30,489       | 14,158   | 44,647       | 406  |
| 2038                    | 111            | 30,773       | 14,289   | 45,063       | 406  |
| <b>AAGR 2018-2038</b>   | 0.9%           | 0.9%         | 0.9%     | 0.9%         | 0.0% |
| <b>Growth 2018-2038</b> | 19.7%          | 19.7%        | 19.7%    | 19.7%        | 0.0% |

Source: Airport Master Record (Form 5010), Airport Master Record (Form 5010), Burlington Airport Commission, CHA 2018.



**BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT**

Airport Master Plan

Market Share Scenarios

| Year             | National Market Share |               |                          |                |           |                      |                   | Regional Market Share |                    |               |                          |                |           |                      | State Market Share |              |                 |               |                          |             |           |                      |                |              |
|------------------|-----------------------|---------------|--------------------------|----------------|-----------|----------------------|-------------------|-----------------------|--------------------|---------------|--------------------------|----------------|-----------|----------------------|--------------------|--------------|-----------------|---------------|--------------------------|-------------|-----------|----------------------|----------------|--------------|
|                  | National Itinerant    | BTV Itinerant | % Share of Itinerant Ops | National Local | BTV Local | % Share of Local Ops | Total National GA | Total BTV GA          | Regional Itinerant | BTV Itinerant | % Share of Itinerant Ops | Regional Local | BTV Local | % Share of Local Ops | Total Regional GA  | Total BTV GA | State Itinerant | BTV Itinerant | % Share of Itinerant Ops | State Local | BTV Local | % Share of Local Ops | Total State GA | Total BTV GA |
| 2017             | 32,140,500            | 25,494        | 0.1%                     | 35,925,153     | 11,838    | 0.03%                | 68,065,653        | 37,332                | 1,015,083          | 25,494        | 2.5%                     | 1,194,879      | 11,838    | 1.0%                 | 2,209,962          | 37,332       | 58,752          | 25,494        | 43.4%                    | 92,379      | 11,838    | 12.8%                | 151,131        | 37,332       |
| 2018             | 32,240,082            | 25,573        | 0.1%                     | 36,218,471     | 11,935    | 0.03%                | 68,458,553        | 37,508                | 1,005,089          | 25,243        | 2.5%                     | 1,194,190      | 11,831    | 1.0%                 | 2,199,279          | 37,074       | 59,085          | 25,638        | 43.4%                    | 91,679      | 11,748    | 12.8%                | 150,764        | 37,387       |
| 2019             | 32,344,524            | 25,656        | 0.1%                     | 36,344,086     | 11,976    | 0.03%                | 68,688,610        | 37,632                | 1,005,906          | 25,264        | 2.5%                     | 1,195,000      | 11,839    | 1.0%                 | 2,200,906          | 37,103       | 59,116          | 25,652        | 43.4%                    | 91,678      | 11,748    | 12.8%                | 150,794        | 37,400       |
| 2020             | 32,450,259            | 25,740        | 0.1%                     | 36,472,297     | 12,018    | 0.03%                | 68,922,556        | 37,758                | 1,006,723          | 25,284        | 2.5%                     | 1,195,816      | 11,847    | 1.0%                 | 2,202,539          | 37,131       | 59,147          | 25,665        | 43.4%                    | 91,677      | 11,748    | 12.8%                | 150,824        | 37,413       |
| 2021             | 32,556,752            | 25,824        | 0.1%                     | 36,600,352     | 12,060    | 0.03%                | 69,157,104        | 37,885                | 1,007,543          | 25,305        | 2.5%                     | 1,196,634      | 11,855    | 1.0%                 | 2,204,177          | 37,160       | 59,178          | 25,679        | 43.4%                    | 91,676      | 11,748    | 12.8%                | 150,854        | 37,427       |
| 2022             | 32,664,680            | 25,910        | 0.1%                     | 36,730,328     | 12,103    | 0.03%                | 69,395,008        | 38,013                | 1,008,367          | 25,325        | 2.5%                     | 1,197,459      | 11,864    | 1.0%                 | 2,205,826          | 37,189       | 59,209          | 25,692        | 43.4%                    | 91,675      | 11,748    | 12.8%                | 150,884        | 37,440       |
| 2023             | 32,774,073            | 25,997        | 0.1%                     | 36,862,158     | 12,147    | 0.03%                | 69,636,231        | 38,143                | 1,009,194          | 25,346        | 2.5%                     | 1,198,289      | 11,872    | 1.0%                 | 2,207,483          | 37,218       | 59,240          | 25,706        | 43.4%                    | 91,674      | 11,748    | 12.8%                | 150,914        | 37,453       |
| 2024             | 32,884,910            | 26,084        | 0.1%                     | 36,995,403     | 12,191    | 0.03%                | 69,880,313        | 38,275                | 1,010,022          | 25,367        | 2.5%                     | 1,199,121      | 11,880    | 1.0%                 | 2,209,143          | 37,247       | 59,271          | 25,719        | 43.4%                    | 91,673      | 11,748    | 12.8%                | 150,944        | 37,467       |
| 2025             | 32,997,398            | 26,174        | 0.1%                     | 37,130,522     | 12,235    | 0.03%                | 70,127,920        | 38,409                | 1,010,851          | 25,388        | 2.5%                     | 1,199,957      | 11,888    | 1.0%                 | 2,210,808          | 37,276       | 59,302          | 25,733        | 43.4%                    | 91,672      | 11,747    | 12.8%                | 150,974        | 37,480       |
| 2026             | 33,111,737            | 26,264        | 0.1%                     | 37,267,836     | 12,280    | 0.03%                | 70,379,573        | 38,545                | 1,011,683          | 25,409        | 2.5%                     | 1,200,797      | 11,897    | 1.0%                 | 2,212,480          | 37,305       | 59,333          | 25,746        | 43.4%                    | 91,671      | 11,747    | 12.8%                | 151,004        | 37,493       |
| 2027             | 33,227,779            | 26,356        | 0.1%                     | 37,407,153     | 12,326    | 0.03%                | 70,634,932        | 38,683                | 1,012,517          | 25,430        | 2.5%                     | 1,201,641      | 11,905    | 1.0%                 | 2,214,158          | 37,335       | 59,364          | 25,760        | 43.4%                    | 91,670      | 11,747    | 12.8%                | 151,034        | 37,507       |
| 2028             | 33,345,634            | 26,450        | 0.1%                     | 37,548,683     | 12,373    | 0.03%                | 70,894,317        | 38,823                | 1,013,354          | 25,451        | 2.5%                     | 1,202,489      | 11,913    | 1.0%                 | 2,215,843          | 37,364       | 59,395          | 25,773        | 43.4%                    | 91,669      | 11,747    | 12.8%                | 151,064        | 37,520       |
| 2029             | 33,465,239            | 26,545        | 0.1%                     | 37,692,332     | 12,420    | 0.03%                | 71,157,571        | 38,965                | 1,014,192          | 25,472        | 2.5%                     | 1,203,342      | 11,922    | 1.0%                 | 2,217,534          | 37,393       | 59,426          | 25,786        | 43.4%                    | 91,668      | 11,747    | 12.8%                | 151,094        | 37,533       |
| 2030             | 33,586,458            | 26,641        | 0.1%                     | 37,837,913     | 12,468    | 0.03%                | 71,424,371        | 39,109                | 1,015,033          | 25,493        | 2.5%                     | 1,204,199      | 11,930    | 1.0%                 | 2,219,232          | 37,423       | 59,457          | 25,800        | 43.4%                    | 91,667      | 11,747    | 12.8%                | 151,124        | 37,547       |
| 2031             | 33,709,540            | 26,739        | 0.1%                     | 37,985,727     | 12,517    | 0.03%                | 71,695,267        | 39,256                | 1,015,876          | 25,514        | 2.5%                     | 1,205,059      | 11,939    | 1.0%                 | 2,220,935          | 37,453       | 59,488          | 25,813        | 43.4%                    | 91,666      | 11,747    | 12.8%                | 151,154        | 37,560       |
| 2032             | 33,834,610            | 26,838        | 0.1%                     | 38,135,860     | 12,566    | 0.03%                | 71,970,470        | 39,404                | 1,016,723          | 25,535        | 2.5%                     | 1,205,923      | 11,947    | 1.0%                 | 2,222,646          | 37,483       | 59,519          | 25,827        | 43.4%                    | 91,665      | 11,747    | 12.8%                | 151,184        | 37,573       |
| 2033             | 33,961,693            | 26,939        | 0.1%                     | 38,288,482     | 12,617    | 0.03%                | 72,250,175        | 39,555                | 1,017,571          | 25,556        | 2.5%                     | 1,206,794      | 11,956    | 1.0%                 | 2,224,365          | 37,513       | 59,550          | 25,840        | 43.4%                    | 91,664      | 11,746    | 12.8%                | 151,214        | 37,587       |
| 2034             | 34,090,824            | 27,041        | 0.1%                     | 38,443,648     | 12,668    | 0.03%                | 72,534,472        | 39,709                | 1,018,421          | 25,578        | 2.5%                     | 1,207,670      | 11,965    | 1.0%                 | 2,226,091          | 37,543       | 59,581          | 25,854        | 43.4%                    | 91,663      | 11,746    | 12.8%                | 151,244        | 37,600       |
| 2035             | 34,222,076            | 27,145        | 0.1%                     | 38,601,331     | 12,720    | 0.03%                | 72,823,407        | 39,865                | 1,019,277          | 25,599        | 2.5%                     | 1,208,550      | 11,973    | 1.0%                 | 2,227,827          | 37,573       | 59,612          | 25,867        | 43.4%                    | 91,662      | 11,746    | 12.8%                | 151,274        | 37,613       |
| 2036             | 34,355,489            | 27,251        | 0.1%                     | 38,761,573     | 12,773    | 0.03%                | 73,117,062        | 40,024                | 1,020,134          | 25,621        | 2.5%                     | 1,209,434      | 11,982    | 1.0%                 | 2,229,568          | 37,603       | 59,643          | 25,881        | 43.4%                    | 91,661      | 11,746    | 12.8%                | 151,304        | 37,627       |
| 2037             | 34,491,070            | 27,358        | 0.1%                     | 38,924,393     | 12,826    | 0.03%                | 73,415,463        | 40,185                | 1,020,995          | 25,642        | 2.5%                     | 1,210,323      | 11,991    | 1.0%                 | 2,231,318          | 37,633       | 59,674          | 25,894        | 43.4%                    | 91,660      | 11,746    | 12.8%                | 151,334        | 37,640       |
| 2038             | 34,628,877            | 27,468        | 0.1%                     | 39,089,900     | 12,881    | 0.03%                | 73,718,777        | 40,349                | 1,021,858          | 25,664        | 2.5%                     | 1,211,216      | 12,000    | 1.0%                 | 2,233,074          | 37,664       | 59,705          | 25,908        | 43.4%                    | 91,659      | 11,746    | 12.8%                | 151,364        | 37,653       |
| AAGR 2018-2038   | 0.4%                  | 0.4%          | -                        | 0.4%           | 0.4%      | -                    | 0.4%              | 0.4%                  | 0.1%               | 0.1%          | -                        | 0.1%           | 0.1%      | -                    | 0.1%               | 0.1%         | 0.1%            | 0.1%          | -                        | 0.0%        | 0.0%      | -                    | 0.0%           | 0.0%         |
| Growth 2018-2038 | 7.4%                  | 7.4%          | -                        | 7.9%           | 7.9%      | -                    | 7.7%              | 7.6%                  | 1.7%               | 1.7%          | -                        | 1.4%           | 1.4%      | -                    | 1.5%               | 1.6%         | 1.0%            | 1.0%          | -                        | 0.0%        | 0.0%      | -                    | 0.4%           | 0.7%         |

Source: Airport Master Record (Form 5010), Airport Master Record (Form 5010), Burlington Airport Commission, CHA 2018.



## BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

### Airport Master Plan

#### C. Recommended GA Forecast

| Year                    | Based Aircraft | Operations |        |             |               | Total GA Operations |
|-------------------------|----------------|------------|--------|-------------|---------------|---------------------|
|                         |                | Itinerant  | Local  | Total Civil | Military      |                     |
| 2017                    | 92             | 25,494     | 11,838 | 37,332      | 8,567         | 45,899              |
| 2018                    | 93             | 25,715     | 11,940 | 37,655      | 8,567         | 46,222              |
| 2019                    | 94             | 25,939     | 12,045 | 37,984      | 8,567         | 46,551              |
| 2020                    | 95             | 26,189     | 12,161 | 38,350      | 8,567         | 46,917              |
| 2021                    | 95             | 26,440     | 12,277 | 38,717      | 5,954         | 44,671              |
| 2022                    | 96             | 26,652     | 12,376 | 39,027      | 5,954         | 44,981              |
| 2023                    | 97             | 26,940     | 12,509 | 39,449      | 5,954         | 45,403              |
| 2024                    | 98             | 27,194     | 12,628 | 39,822      | 5,954         | 45,776              |
| 2025                    | 99             | 27,436     | 12,740 | 40,176      | 5,954         | 46,130              |
| 2026                    | 100            | 27,682     | 12,854 | 40,536      | 5,954         | 46,490              |
| 2027                    | 101            | 27,932     | 12,970 | 40,903      | 5,954         | 46,857              |
| 2028                    | 102            | 28,178     | 13,084 | 41,263      | 5,954         | 47,217              |
| 2029                    | 103            | 28,428     | 13,201 | 41,629      | 5,954         | 47,583              |
| 2030                    | 103            | 28,679     | 13,317 | 41,995      | 5,954         | 47,949              |
| 2031                    | 104            | 28,925     | 13,431 | 42,356      | 5,954         | 48,310              |
| 2032                    | 105            | 29,179     | 13,549 | 42,728      | 5,954         | 48,682              |
| 2033                    | 106            | 29,433     | 13,667 | 43,101      | 5,954         | 49,055              |
| 2034                    | 107            | 29,696     | 13,789 | 43,486      | 5,954         | 49,440              |
| 2035                    | 108            | 29,955     | 13,909 | 43,864      | 5,954         | 49,818              |
| 2036                    | 109            | 30,218     | 14,032 | 44,249      | 5,954         | 50,203              |
| 2037                    | 110            | 30,489     | 14,158 | 44,647      | 5,954         | 50,601              |
| 2038                    | 111            | 30,773     | 14,289 | 45,063      | 5,954         | 51,017              |
| <b>AAGR 2018-2038</b>   | <b>0.9%</b>    | 0.9%       | 0.9%   | 0.9%        | <b>-1.8%</b>  | 0.5%                |
| <b>Growth 2018-2038</b> | <b>19.7%</b>   | 19.7%      | 19.7%  | 19.7%       | <b>-30.5%</b> | 10.4%               |

## Appendix D.5

### Airport-Reported Data

**BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT**

Airport Master Plan

A. Airport-Reported Enplanements

| MONTHLY - Passenger ENPLANEMENTS |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                  | 2018           | 2017           | 2016           | 2015           | 2014           | 2013           | 2012           | 2011           | 2010           | 2009           | 2008           | 2007           | 2006           | 2005           | 2004           | 2003           | 2002           | 2001           | 2000           |
| JANUARY                          | 44,694         | 44,337         | 42,313         | 43,116         | 42,961         | 46,256         | 47,388         | 48,746         | 50,496         | 51,433         | 54,751         | 54,443         | 53,119         | 50,901         | 44,336         | 42,237         | 39,564         | 40,429         | 31,742         |
| FEBRUARY                         | 44,371         | 42,279         | 45,975         | 43,659         | 46,650         | 45,664         | 49,224         | 48,600         | 46,716         | 57,647         | 57,216         | 51,211         | 54,033         | 55,613         | 45,395         | 40,972         | 42,347         | 43,204         | 35,601         |
| MARCH                            | 45,506         | 46,600         | 46,759         | 49,215         | 51,210         | 49,805         | 54,871         | 52,206         | 61,823         | 61,992         | 60,114         | 58,597         | 60,039         | 57,525         | 49,738         | 44,461         | 43,643         | 45,419         | 36,252         |
| APRIL                            | 53,285         | 44,871         | 45,467         | 47,164         | 48,583         | 46,304         | 51,642         | 50,211         | 56,273         | 56,479         | 59,478         | 60,720         | 55,794         | 57,440         | 45,448         | 40,202         | 46,957         | 47,045         | 35,781         |
| MAY                              | 52,079         | 45,483         | 47,353         | 45,672         | 50,555         | 48,358         | 51,399         | 50,774         | 51,858         | 55,126         | 58,146         | 55,496         | 52,330         | 53,013         | 46,519         | 40,999         | 42,202         | 43,939         | 32,400         |
| JUNE                             | 50,187         | 52,466         | 49,544         | 53,224         | 54,339         | 55,491         | 54,792         | 54,732         | 57,672         | 63,345         | 58,429         | 56,325         | 58,033         | 53,346         | 46,131         | 46,094         | 46,019         | 35,383         |                |
| JULY                             | 56,356         | 57,997         | 55,662         | 59,273         | 58,227         | 59,748         | 62,331         | 60,152         | 73,995         | 75,154         | 67,964         | 67,262         | 64,203         | 58,704         | 50,240         | 52,405         | 51,235         | 37,402         |                |
| AUGUST                           | 58,215         | 61,168         | 57,623         | 58,461         | 61,325         | 58,557         | 63,860         | 62,838         | 75,460         | 78,304         | 68,922         | 64,774         | 64,643         | 65,264         | 51,724         | 56,386         | 57,255         | 40,253         |                |
| SEPTEMBER                        | 49,995         | 52,211         | 51,689         | 52,737         | 54,487         | 50,273         | 55,103         | 54,492         | 56,303         | 63,444         | 57,621         | 52,175         | 53,051         | 53,441         | 45,340         | 44,477         | 30,882         | 36,989         |                |
| OCTOBER                          | 59,378         | 60,821         | 58,237         | 57,727         | 58,359         | 54,916         | 61,092         | 60,473         | 62,652         | 69,556         | 65,670         | 65,032         | 64,934         | 65,441         | 53,720         | 52,134         | 43,314         | 49,316         |                |
| NOVEMBER                         | 46,781         | 46,329         | 46,470         | 45,416         | 46,367         | 47,124         | 50,279         | 53,875         | 48,137         | 52,516         | 54,213         | 55,228         | 52,327         | 51,631         | 43,376         | 40,859         | 34,769         | 40,364         |                |
| DECEMBER                         | 46,078         | 46,137         | 45,151         | 46,100         | 47,313         | 44,065         | 51,601         | 49,501         | 50,399         | 57,375         | 54,141         | 54,454         | 56,533         | 46,481         | 46,020         | 36,289         | 40,159         |                |                |
| <b>TOTALS</b>                    | <b>246,540</b> | <b>591,558</b> | <b>604,578</b> | <b>594,034</b> | <b>611,805</b> | <b>616,006</b> | <b>633,604</b> | <b>648,195</b> | <b>651,280</b> | <b>708,341</b> | <b>725,021</b> | <b>707,395</b> | <b>690,568</b> | <b>691,385</b> | <b>634,798</b> | <b>550,050</b> | <b>550,420</b> | <b>530,171</b> | <b>451,582</b> |
| <b>FY TOTALS</b>                 | <b>410,456</b> | <b>397,800</b> | <b>391,247</b> | <b>600,432</b> | <b>617,301</b> | <b>605,502</b> | <b>652,793</b> | <b>643,633</b> | <b>677,460</b> | <b>743,348</b> | <b>725,843</b> | <b>697,932</b> | <b>690,932</b> | <b>675,779</b> | <b>594,393</b> | <b>545,372</b> | <b>512,313</b> | <b>516,528</b> | <b>435,041</b> |

  

| YEAR TO YEAR % CHANGE - Passenger Enplanement |               |              |              |              |              |              |           |              |              |              |              |              |              |              |               |              |              |               |              |
|---|---------------|--------------|--------------|--------------|--------------|--------------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|
|   | 17/16         | 16/15        | 15/14        | 14/13        | 13/12        | 12/11        | 11/10     | 10/09        | 09/08        | 08/07        | 07/06        | 06/05        | 05/04        | 04/03        | 03/02         | 02/01        | 01/00        | 00/99         |              |
| JANUARY*                                      | 4.02%         | 3.70%        | -4.28%       | 2.37%        | -1.23%       | -2.39%       | -2.42%    | -2.42%       | -2.76%       | -3.20%       | -2.81%       | 4.39%        | 13.40%       | 6.39%        | 14.49%        | -8.22%       | 23.99%       | -3.70%        |              |
| FEBRUARY                                      | 9.67%         | -8.06%       | 5.47%        | -2.38%       | 6.92%        | 5.44%        | -0.24%    | -10.26%      | -0.20%       | 11.02%       | -1.17%       | -2.54%       | 12.18%       | 20.55%       | -2.79%        | -1.01%       | 20.57%       | 3.54%         |              |
| MARCH   | 4.13%         | -0.34%       | -4.99%       | -3.90%       | 3.24%        | -8.50%       | 5.10%     | 8.74%        | -16.40%      | 3.12%        | 2.99%        | -2.40%       | 4.46%        | 15.54%       | 11.92%        | 1.87%        | -3.95%       | 25.31%        | 1.45%        |
| APRIL   | 18.75%        | -1.37%       | -3.64%       | -2.88%       | 3.80%        | -8.37%       | 2.82%     | -10.77%      | -0.30%       | -3.04%       | 8.84%        | -2.88%       | 16.18%       | 16.93%       | -9.30%        | -0.19%       | -3.95%       | 25.22%        | -0.74%       |
| MAY   | 14.00%        | -3.57%       | 3.22%        | -9.20%       | 5.20%        | -4.34%       | 1.65%     | -5.50%       | -1.40%       | 4.91%        | 6.05%        | -1.29%       | 19.00%       | 8.59%        | -2.85%        | -3.95%       | 25.22%       | -0.74%        |              |
| JUNE  | -4.34%        | 3.97%        | -3.36%       | -1.36%       | -1.57%       | 1.92%        | -2.37%    | -8.40%       | -5.20%       | -12.41%      | 12.60%       | 3.74%        | -2.54%       | 8.79%        | 15.64%        | 0.80%        | 0.30%        | 30.90%        | -1.70%       |
| JULY  | -1.79%        | 4.18%        | -4.00%       | 2.15%        | -2.37%       | -5.07%       | 4.62%     | -18.73%      | -4.52%       | 16.31%       | 0.60%        | 1.39%        | 13.64%       | 13.19%       | -4.10%        | 3.17%        | 17.44%       | -7.30%        |              |
| AUGUST  | -3.15%        | 4.31%        | -1.67%       | -4.44%       | 2.37%        | -6.74%       | 1.62%     | -16.73%      | -4.82%       | 15.30%       | 6.40%        | -1.92%       | 1.19%        | 21.43%       | -4.72%        | -2.37%       | -43.49%      | -4.40%        |              |
| SEPTEMBER                                     | -4.24%        | 2.20%        | -3.12%       | -3.21%       | 3.82%        | 8.77%        | 3.01%     | -4.49%       | -11.71%      | 10.28%       | 10.10%       | -4.59%       | 7.01%        | 13.40%       | 1.84%         | 44.02%       | -14.51%      | 4.40%         |              |
| OCTOBER                                       | -2.42%        | 4.18%        | 8.91%        | -1.08%       | 6.27%        | -10.11%      | -3.75%    | 2.29%        | -10.79%      | 3.92%        | 0.92%        | 0.15%        | -0.77%       | 21.82%       | 3.04%         | 20.36%       | -12.17%      | 17.07%        |              |
| NOVEMBER                                      | 9.91%         | -2.44%       | 2.32%        | -2.30%       | -0.34%       | -2.27%       | -1.17%    | 5.69%        | -0.34%       | -3.13%       | -1.84%       | 5.05%        | 1.31%        | 19.03%       | 6.16%         | 17.52%       | -12.90%      | 20.40%        |              |
| DECEMBER                                      | 6.09%         | -2.18%       | -3.38%       | -2.18%       | 4.59%        | 14.69%       | 1.20%     | 2.15%        | 11.60%       | 9.39%        | 0.91%        | -2.50%       | 7.59%        | 8.99%        | -0.70%        | 23.10%       | -10.20%      | 22.12%        |              |
| <b>Overall</b>                                | <b>16.24%</b> | <b>2.15%</b> | <b>1.77%</b> | <b>2.00%</b> | <b>0.68%</b> | <b>1.22%</b> | <b>1%</b> | <b>0.47%</b> | <b>8.06%</b> | <b>4.68%</b> | <b>3.20%</b> | <b>1.44%</b> | <b>0.15%</b> | <b>8.95%</b> | <b>15.41%</b> | <b>0.07%</b> | <b>5.82%</b> | <b>15.19%</b> | <b>1.08%</b> |
| <b>FY % Change</b>                            | <b>-0.1%</b>  | <b>3%</b>    | <b>-1%</b>   | <b>3%</b>    | <b>2%</b>    | <b>-2%</b>   | <b>1%</b> | <b>-5%</b>   | <b>2%</b>    | <b>4%</b>    | <b>1%</b>    | <b>2%</b>    | <b>16%</b>   | <b>6%</b>    | <b>7%</b>     | <b>1%</b>    | <b>1%</b>    | <b>-1%</b>    |              |

  

|                          | 2011           | 2016           | 2015           | 2014           | 2013           | 2012           | 2011           | 2009           | 2008           | 2007           | 2006           | 2005           | 2004           | 2003           | 2002           | 2001           | 2000           |                |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Total Enplanement</b> | <b>591,558</b> | <b>604,578</b> | <b>594,034</b> | <b>611,805</b> | <b>616,006</b> | <b>633,604</b> | <b>648,195</b> | <b>651,280</b> | <b>708,341</b> | <b>725,021</b> | <b>707,395</b> | <b>690,568</b> | <b>691,385</b> | <b>634,798</b> | <b>550,050</b> | <b>550,420</b> | <b>530,171</b> | <b>451,582</b> |

\* Over 100 flights cancelled due to winter storms in Jan 14  
 \* Over 50 flights cancelled due to winter storms in Feb 14. 50 in Feb 13  
 \* Over 50 flights cancelled due to winter storms in Mar 14. 30 in Mar 13  
 \* Four Nor'easters hit in March 2010

B. Airport Reported Deplanements

| BURLINGTON INTERNATIONAL AIRPORT (BTW)<br>MONTHLY TOTAL - Passenger DEPLANEMENTS |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|  | 2018           | 2017           | 2016           | 2015           | 2014           | 2013           | 2012           | 2011           | 2010           | 2009           | 2008           | 2007           | 2006           | 2005           | 2004           | 2003           | 2002           | 2001           | 2000           |
| JANUARY  | 44,709         | 42,845         | 40,911         | 41,791         | 41,922         | 44,205         | 48,087         | 47,816         | 48,117         | 51,614         | 54,743         | 51,021         | 49,842         | 47,101         | 39,842         | 39,009         | 34,325         | 34,633         | 28,424         |
| FEBRUARY   | 41,233         | 38,979         | 42,831         | 40,860         | 39,717         | 40,232         | 44,375         | 41,454         | 40,342         | 51,630         | 44,424         | 47,229         | 45,616         | 43,201         | 36,390         | 35,000         | 30,200         | 29,857         |                |
| MARCH  | 52,311         | 49,924         | 50,143         | 52,373         | 54,330         | 51,462         | 57,494         | 53,636         | 60,226         | 60,113         | 64,117         | 66,100         | 63,710         | 54,812         | 49,130         | 50,260         | 49,713         | 41,625         |                |
| APRIL  | 51,856         | 45,262         | 45,796         | 47,890         | 48,770         | 49,676         | 55,610         | 51,383         | 58,908         | 59,856         | 60,692         | 55,092         | 56,504         | 50,977         | 42,942         | 45,962         | 46,564         | 34,437         |                |
| MAY  | 51,881         | 48,307         | 49,447         | 47,997         | 53,766         | 49,803         | 54,742         | 50,437         | 54,703         | 57,374         | 61,044         | 59,600         | 57,210         | 56,367         | 44,656         | 42,261         | 44,456         | 35,681         |                |
| JUNE   | 62,013         | 54,418         | 54,003         | 53,102         | 55,200         | 54,950         | 54,547         | 54,384         | 54,429         | 60,818         | 60,242         | 60,094         | 58,073         | 41,330         | 55,441         | 49,098         | 48,150         | 48,507         | 36,411         |
| JULY   | 67,345         | 56,561         | 57,017         | 57,682         | 58,140         | 59,442         | 59,797         | 57,217         | 60,956         | 70,254         | 70,077         | 68,139         | 65,736         | 66,660         | 60,568         | 51,336         | 53,820         | 52,227         | 39,650         |
| AUGUST   | 57,092         | 58,609         | 56,712         | 56,656         | 61,691         | 59,229         | 63,464         | 61,734         | 72,510         | 80,743         | 67,423         | 64,612         | 59,826         | 62,169         | 52,952         | 56,948         | 57,834         | 39,622         |                |
| SEPTEMBER  | 50,813         | 53,291         | 51,292         | 52,009         | 53,127         | 50,870         | 59,912         | 52,734         | 55,131         | 62,666         | 58,867         | 51,669         | 55,979         | 51,633         | 43,207         | 43,355         | 29,966         | 37,617         |                |
| OCTOBER  | 54,723         | 57,279         | 55,402         | 53,802         | 56,091         | 52,913         | 60,222         | 59,028         | 70,926         | 65,419         | 61,236         | 59,894         | 59,625         | 61,716         | 51,347         | 48,799         | 40,074         | 45,494         |                |
| NOVEMBER   | 45,382         | 45,599         | 46,166         | 45,036         | 49,490         | 46,754         | 49,894         | 50,328         | 52,076         | 52,379         | 54,599         | 51,107         | 50,831         | 42,897         | 39,436         | 34,197         | 40,759         |                |                |
| DECEMBER*  | 45,926         | 46,656         | 45,837         | 46,738         | 49,073         | 43,802         | 51,856         | 49,700         | 50,159         | 57,289         | 54,129         | 55,936         | 56,500         | 53,155         | 47,139         | 49,716         | 37,763         | 41,433         |                |
| <b>TOTALS</b>  | <b>378,448</b> | <b>389,064</b> | <b>408,737</b> | <b>396,964</b> | <b>407,009</b> | <b>414,861</b> | <b>428,038</b> | <b>437,495</b> | <b>448,737</b> | <b>518,867</b> | <b>508,962</b> | <b>503,500</b> | <b>497,172</b> | <b>479,949</b> | <b>432,201</b> | <b>447,124</b> | <b>448,680</b> | <b>318,667</b> | <b>485,000</b> |
| <b>FY TOTALS</b>   | <b>618,292</b> | <b>599,146</b> | <b>596,577</b> | <b>598,494</b> | <b>599,102</b> |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

  

| YEAR TO YEAR % CHANGE - Passenger Deplanement |        |        |        |        |        |         |       |         |         |        |        |        |       |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|---------|-------|---------|---------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
|   | 18/17  | 17/16  | 16/15  | 15/14  | 14/13  | 13/12   | 12/11 | 11/10   | 10/09   | 09/08  | 08/07  | 07/06  | 06/05 | 05/04  | 04/03  | 03/02  | 02/01  | 01/00  | 00/99  |
| JANUARY                                       | 4.35%  | 4.73%  | -2.11% | -0.32% | -5.80% | -7.33%  | 0.46% | -0.63%  | -6.76%  | -7.21% | 7.23%  | 2.43%  | 5.64% | 18.42% | 4.82%  | 10.70% | -14.3% | 22.53% | -3.30% |
| FEBRUARY                                      | 6.55%  | -0.00% | 4.81%  | 3.88%  | -2.01% | -8.68%  | 7.05% | 0.00%   | -14.33% | -6.77% | 16.22% | -6.59% | 4.26% | 5.39%  | 18.92% | 3.72%  | -1.18% | 18.93% | -4.66% |
| MARCH   | 6.93%  | -0.43% | -4.25% | -3.64% | 5.61%  | -10.46% | 7.19% | -13.31% | -10.35% | 4.78%  | 1.08%  | -6.68% | 3.80% | 16.55% | 11.55% | -2.25% | 1.12%  | 19.43% | 5.40%  |
| APRIL   | 13.95% | -1.34% | -4.39% | -1.80% | 6.77%  | -17.86% |       |         |         |        |        |        |       |        |        |        |        |        |        |



**Appendix D.6**  
FAA Required Appendices (B&C)



FAA APPENDIX D.6  
Summarizing and Documenting Airport Planning Forecasts

A. Forecast Levels and Growth Rates

| Specified Base Year: 2017                  | Forecast Levels |                    |                     |                      |                      |                      | Average Annual Compound Growth Rates |                  |                  |                  |                  |
|--|-----------------|--------------------|---------------------|----------------------|----------------------|----------------------|--------------------------------------|------------------|------------------|------------------|------------------|
|  | Base Year Level | Base Year + 1-Year | Base Year + 6-Years | Base Year + 11-Years | Base Year + 16-Years | Base Year + 21-Years | Base Year to + 1                     | Base Year to + 6 | Base Year to +11 | Base Year to +16 | Base Year to +21 |
| <b>Passenger Enplanements</b>              |                 |                    |                     |                      |                      |                      |                                      |                  |                  |                  |                  |
| Air Carrier                                | 591,558         | 667,004            | 695,171             | 724,528              | 755,124              | 787,012              | 12.8%                                | 2.7%             | 1.9%             | 1.5%             | 1.4%             |
| <b>Operations</b>                          |                 |                    |                     |                      |                      |                      |                                      |                  |                  |                  |                  |
| <b>Itinerant</b>                           |                 |                    |                     |                      |                      |                      | -                                    | -                | -                | -                | -                |
| Air Carrier                                | 21,467          | 24,082             | 24,480              | 24,899               | 25,340               | 25,804               | 12.2%                                | 2.2%             | 1.4%             | 1.0%             | 0.9%             |
| General Aviation (Includes Cargo)          | 26,890          | 27,137             | 28,503              | 29,895               | 31,319               | 32,845               | 0.9%                                 | 1.0%             | 1.0%             | 1.0%             | 1.0%             |
| <b>Local</b>                               |                 |                    |                     |                      |                      |                      | -                                    | -                | -                | -                | -                |
| General Aviation                           | 11,838          | 11,940             | 12,509              | 13,084               | 13,667               | 14,289               | 0.9%                                 | 0.9%             | 0.9%             | 0.9%             | 0.9%             |
| <b>Total Military</b>                      |                 |                    |                     |                      |                      |                      |                                      |                  |                  |                  |                  |
| Military                                   | 8,567           | 8,567              | 5,954               | 5,954                | 5,954                | 5,954                | 0.0%                                 | -5.9%            | -3.3%            | -2.2%            | -1.7%            |
| <b>TOTAL OPERATIONS</b>                    | <b>68,762</b>   | <b>71,727</b>      | <b>71,446</b>       | <b>73,832</b>        | <b>76,281</b>        | <b>78,892</b>        | <b>-</b>                             | <b>-</b>         | <b>-</b>         | <b>-</b>         | <b>-</b>         |
| <b>Peak Hour Operations</b>                | <b>22</b>       | <b>23</b>          | <b>23</b>           | <b>23</b>            | <b>24</b>            | <b>25</b>            | <b>4.3%</b>                          | <b>0.6%</b>      | <b>0.6%</b>      | <b>0.7%</b>      | <b>0.7%</b>      |
| <b>Cargo/mail enplaned + deplaned tons</b> | <b>5,363</b>    | <b>5,465</b>       | <b>6,003</b>        | <b>6,594</b>         | <b>7,244</b>         | <b>7,957</b>         | <b>1.9%</b>                          | <b>1.9%</b>      | <b>1.9%</b>      | <b>1.9%</b>      | <b>1.9%</b>      |
| <b>Based Aircraft</b>                      |                 |                    |                     |                      |                      |                      |                                      |                  |                  |                  |                  |
| Single Engine (Nonjet)                     | 45              | 45                 | 47                  | 45                   | 45                   | 44                   | 4395.3%                              | 0.9%             | 0.0%             | 0.0%             | -0.1%            |
| Multi Engine (Nonjet)                      | 4               | 4                  | 4                   | 4                    | 4                    | 4                    | 438.6%                               | 1.4%             | 0.6%             | 0.6%             | 0.4%             |
| Turbo-Prop                                 | 0               | 0                  | 0                   | 0                    | 0                    | 0                    | 0.0%                                 | 0.0%             | 0.0%             | 0.0%             | 0.0%             |
| Jet Engine                                 | 13              | 13                 | 17                  | 19                   | 22                   | 25                   | 2537.5%                              | 4.1%             | 3.3%             | 3.2%             | 3.2%             |
| Helicopter                                 | 2               | 2                  | 2                   | 3                    | 3                    | 4                    | 359.4%                               | 3.6%             | 2.8%             | 2.8%             | 2.8%             |
| Military                                   | 28              | 28                 | 31                  | 31                   | 32                   | 34                   | 3374.3%                              |                  |                  |                  |                  |
| <b>TOTAL</b>                               | <b>92</b>       | <b>93</b>          | <b>102</b>          | <b>102</b>           | <b>106</b>           | <b>111</b>           | <b>-</b>                             | <b>-</b>         | <b>-</b>         | <b>-</b>         | <b>-</b>         |

Source: FAA TAF, Airport Master Record (Form 5010), FAA Aerospace Forecast (FY 2018-2038), Boeing World Air Cargo Forecast (2016-2017), Airbus Global Market Forecast (FY 2018-2037), Burlington Airport Commission, CHA, 2018

B. Operational Factors

| Specified Base Year: 2017                          | Base Year Level | Base Year + 1-Year | Base Year + 6-Years | Base Year + 11-Years | Base Year + 16-Years | Base Year + 21-Years |
|--|-----------------|--------------------|---------------------|----------------------|----------------------|----------------------|
| <b>Average Aircraft Size (Seats) - Air Carrier</b> | 68.0            | 68.9               | 69.5                | 70.3                 | 71.4                 | 72.7                 |
| <b>Average enplaning load factor - Air Carrier</b> | 0.79            | 0.80               | 0.82                | 0.83                 | 0.83                 | 0.84                 |
| <b>GA operations per based aircraft</b>            | 406             | 406                | 406                 | 406                  | 406                  | 406                  |

Source: FAA TAF, Airport Master Record (Form 5010), FAA Aerospace Forecast (FY 2018-2038), Boeing World Air Cargo Forecast (2016-2017), Airbus Global Market Forecast (FY 2018-2037), Burlington Airport Commission, CHA, 2018



# BURLINGTON INTERNATIONAL AIRPORT, BURLINGTON, VERMONT

## Airport Master Plan

### FAA APPENDIX D.6 Comparing Airport Planning and TAF Factors

| Specified Base Year: 2017     | Year | Airport Forecast | TAF     | AF/TAF (% Difference) |
|-------------------------------|------|------------------|---------|-----------------------|
| <b>Passenger Enplanements</b> |      |                  |         |                       |
| Base Year Level               | 2017 | 591,558          | 585,099 | 1.1%                  |
| Base Year + 1-Year            | 2018 | 667,004          | 635,407 | 5.0%                  |
| Base Year + 6-Years           | 2023 | 695,171          | 665,850 | 4.4%                  |
| Base Year + 11-Years          | 2028 | 724,528          | 693,485 | 4.5%                  |
| Base Year + 16-Years          | 2033 | 755,124          | 721,769 | 4.6%                  |
| Base Year + 21-Years          | 2038 | 787,012          | 749,730 | 5.0%                  |
| <b>Commercial Operations</b>  |      |                  |         |                       |
| Base Year Level               | 2017 | 21,467           | 26,677  | -19.5%                |
| Base Year + 1-Year            | 2018 | 24,082           | 28,371  | -15.1%                |
| Base Year + 6-Years           | 2023 | 24,480           | 22,465  | 9.0%                  |
| Base Year + 11-Years          | 2028 | 24,899           | 23,278  | 7.0%                  |
| Base Year + 16-Years          | 2033 | 25,340           | 24,296  | 4.3%                  |
| Base Year + 21-Years          | 2038 | 25,804           | 25,321  | 1.9%                  |
| <b>Total Operations</b>       |      |                  |         |                       |
| Base Year Level               | 2017 | 68,762           | 65,809  | 4.5%                  |
| Base Year + 1-Year            | 2018 | 71,727           | 67,136  | 6.8%                  |
| Base Year + 6-Years           | 2023 | 71,446           | 61,380  | 16.4%                 |
| Base Year + 11-Years          | 2028 | 73,832           | 62,343  | 18.4%                 |
| Base Year + 16-Years          | 2033 | 76,281           | 63,511  | 20.1%                 |
| Base Year + 21-Years          | 2038 | 78,892           | 64,686  | 22.0%                 |

Source: FAA TAF, Airport Master Record (Form 5010), FAA Aerospace Forecast (FY 2018-2038), Boeing World Air Cargo Forecast (2016-2017), Airbus Global Market Forecast (FY 2018-2037), Burlington Airport Commission, CHA, 2018

