Federal Aviation Administration

Teminal Area Forecast Summary

Fiscal Years 2014 - 2040

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Preface

This publication provides aviation data users with summary historical and forecast statistics on passenger demand and aviation activity at U.S. airports. The summary level forecasts are based on individual airport projections.

The Terminal Area Forecast (TAF) includes forecasts for active airports in the National Plan of Integrated Airport Systems (NPIAS). The Federal Aviation Administration's (FAA) Forecast and Performance Analysis Division, Office of Aviation Policy and Plans, develops the TAF. As its primary input, the TAF initially used the national forecasts of aviation activity contained in FAA Aerospace Forecasts, Fiscal Years 2014-2034. The final TAF considers the forecasts and assumptions contained in FAA Aerospace Forecasts, Fiscal Years 2015-2035. Beginning March, 2015 the tables for the national forecasts can be found at:

http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/aerospace _forecasts/2015-2035/.

The TAF is available on the Internet. The TAF model and TAF database can be accessed at:

http://www.faa.gov/about/office _org/headquarters_offices/apl/aviation_forecasts/.

The TAF model allows users to create their own forecast scenarios. It contains a query data application that allows the public to access and print historical (1990 to 2013) and forecast (2014 to 2040) aviation activity data by individual airport, state, or FAA region.

The FAA welcomes public comment on the forecasts, as well as suggestions for improving the usefulness of the TAF.

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The software support was provided under contract by IT WORKS! Software. We extend a special thanks to Alice Dobrin and Damien Agostinelli whose invaluable programming support for the TAF software made accessing and analyzing this airport data so much more efficient.

Special acknowledgments are made to FAA Airports staff in the Regional and Airport District Offices for their assistance in coordinating the regional reviews, state input, and forecast recommendations. The reviews and comments of the regional offices were extremely important and useful in guiding the Forecast and Performance Analysis Division in making adjustments to the preliminary version of the forecasts. Their efforts have enhanced the accuracy and credibility of the final product.

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Summary Historical and Forecast Highlights

- A total of 734.0 million passengers were enplaned at U.S. airports in 2013; FAA and Federal contract towered airports accounted for 729.7 million enplanements.
- The top 100 air carrier airports accounted for 691.0 million enplanements in 2013, or 94 percent of total U.S. enplanements.
- FAA towers handled 35.7 million operations (takeoffs and landings) in 2013, including 19.8 million commercial aircraft operations.
- FAA contract towers handled 14.4 million operations in 2013, including 1.8 million commercial operations.
- The Core airports[1] enplaned 524.6 million passengers in 2013. These airports are projected to enplane 913.2 million passengers in 2040, a 74.1 percent increase over the forecast period (or 2.1 percent annually).
- The 30 large hub airports[2] enplaned 529.4 million passengers in 2013. These airports are projected to enplane 923.0 million passengers in 2040, a 74.3 percent increase over the 27-year period (or 2.1 percent annually).
- The 33 medium hub airports[3] recorded 118.0 million enplanements in 2013. These airports are projected to enplane 200.4 million passengers in 2040, a 69.8 percent increase over the 27-year period (or 2.0 percent annually).
- Atlanta (45.4 million enplanements), Los Angeles (32.0 million), Chicago O'Hare (31.9 million), Dallas/Ft. Worth (28.9 million), and Denver (25.5 million) led U.S. commercial airports in passenger enplanements, accounting for 22.3 percent of enplanements at U.S. airports.
- Atlanta is projected to remain the country's busiest airport, as measured by passenger enplanements, through the forecast period with a projected 77.2 million enplaned passengers in 2040. Los Angeles is projected to enplane the second most passengers (57.1 million) in 2040, followed by Chicago O'Hare with 53.6 million enplanements.
- Enplanements at San Diego, Miami, and Seattle airports are projected to grow fastest among the Core airports. The annual growth rates at these airports are

[1] The large hub airports (except Portland) plus Memphis.
[2] Airports enplaning one percent or more of total enplanements.
[3] Airports enplaning 0.25 to 0.99 percent of total enplanements.

forecast to increase by 2.7, 2.7, and 2.6 percent per year, respectively, over the forecast period.

- In terms of total operations, Atlanta was the busiest U.S. airport in 2013 with 914,000 aircraft operations. Chicago O'Hare and Dallas/Ft. Worth were the second and third busiest airports with 878,000 and 677,000 operations, respectively.
- In 2040, Atlanta is expected to remain the busiest airport in the nation, as measured by total operations, with a projected 1.38 million operations. Chicago O'Hare (1.16 million operations) is projected to stay in second place and Los Angeles (1.02 million operations) is projected to move into third place. Dallas/Ft. Worth (973.9 thousand operations) is projected to drop into fourth place.
- The FAA's Southern region airports enplaned more passengers than any other region with 170.8 million passengers in 2013, or 23 percent of U.S. enplanements. The Western Pacific region was second with 150.3 million enplanements, or 20 percent of the total.
- The Southern region is expected to lead in passenger enplanements in 2040, reaching 296.3 million. The Western Pacific region is projected to stay in second place with 265.9 million enplanements.
- The Southern region led all FAA regions in the number of airport operations with 22.3 million in 2013. The Southern region is expected to remain first in 2040 with 26.0 million operations. The Western Pacific and Great Lakes regions ran second and third in airport operations in 2013 with 16.4 and 15.3 million, respectively. In 2040, the Western Pacific region is projected to remain in second place with 19.7 million operations and the Great Lakes region is projected to remain in third place with 17.3 million operations.

Forecast Process

Introduction

The Terminal Area Forecast (TAF) contains historical and forecast data for enplanements, airport operations, tracon operations, and based aircraft. The data cover 264 FAA towered airports, 252 Federal contract tower airports, 31 terminal radar approach control facilities, and 2,818 non FAA airports. Data in the TAF are presented on a U.S. Government fiscal year basis (October through September).

The TAF is available on the Internet. The TAF model and TAF database can be accessed at:

http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/.

The TAF model allows users to create their own forecast scenarios. The TAF database allows public access to historical and forecast aviation activity data by individual airport, state, or FAA region. In addition, links to the TAF from previous years are available via the address noted above.

The TAF is prepared to assist the FAA in meeting its planning, budgeting, and staffing requirements. In addition, state aviation authorities and other aviation planners use the TAF as a basis for planning airport improvements.

This document presents a set of summary tables on airport activity statistics. The airport activity data contained in the TAF consist of the following:

- **enplanements** (sum of originating and connecting passengers) for air carriers and regionals;
- **itinerant operations** for air carriers, commuters and air taxis, general aviation (GA), and military aircraft;
- **local operations** for civil and military aircraft; and
- **tracon operations** for aircraft operations under radar control.

Data on operations presented in the TAF show historical information from 1990 through 2013 and forecasts for 2014 to 2040.[4] The historical enplanement information in the TAF model is from 1976 through 2013 and the 2014 figures represent estimates. The enplanement forecasts are from 2015 to 2040. Appendix A provides a detailed description of the activity data elements in the TAF. Appendix B provides a list of FAA airports by hub size and a list of FAA contract towers.

[4] Operations data for FAA towers and Federal contract towers for 2014 are actual.

Forecast Method

The TAF assumes a demand driven forecast for aviation services based upon local and national economic conditions as well as conditions within the aviation industry. In other words, an airport's forecast is developed independent of the ability of the airport and the air traffic control system to furnish the capacity required to meet demand. However, if the airport historically functions under constrained conditions, the FAA forecast may reflect those constraints since they are embedded in historical data. In statistical terms, the relationships between economic growth data and data representing growth in aviation activity reflect those constraints.

The forecasts of passenger enplanements and commercial operations at large, medium, and small hubs are based on a bottoms-up approach. The domestic enplanements are forecast by generating origin and destination (O&D) market demand forecasts using the DB1B (quarterly 10% sample) data to model passenger flow on a quarterly basis. The O&D passenger demand forecasts are based on regression analysis using fares, regional demographics, and regional economic factors as the independent variables. The O&D forecasts are then combined with DOT T-100 segment data to generate passenger forecasts by airport pair and segment pair. The segment pair passenger forecasts are assigned to aircraft equipment in order to produce segment pair operation forecasts. The quarterly segment pair forecasts are aggregated to produce annual airport forecasts.

Separate models are used to forecast international passenger enplanements and operations and cargo operations. The international passenger enplanements are forecast on a quarterly basis using time series analysis and T-100 segment data. The segment pair passenger enplanement forecasts are used to generate segment pair operation forecasts. The cargo operation forecasts are also generated on a quarterly basis using time series analysis and T-100 segment data. The segment pair forecasts for international passenger enplanements and operations and cargo operations are aggregated to the market pair and airport level on an annual basis.

The short run (2 year) forecasts of passenger enplanements and operations for the hub airports are produced using models at the airport level. These models incorporate the use of future airline schedules.

The forecasts of passenger enplanements at non-hub FAA facilities are based on analysis of historic trends. The commercial operations forecasts are based on the enplanement forecasts, trend analysis, and enplanements per operation. In addition the commercial forecasts for these airports may be prorated in comparison to national forecast trends by category.

Forecasts of itinerant general aviation operations and local civil operations at FAA facilities are based primarily on time series analysis. Because military operations forecasts have national security implications, the Department of Defense (DOD) provides only limited information on future aviation activity. Hence, the TAF projects military activity at its present level except when FAA has specific knowledge of a change. For instance, DOD may announce a base closing or may shift an Air Force wing from one base to another.

For non-FAA facilities, historic operations in the TAF are from the Form 5010 data. These operations levels are held constant for the forecast unless otherwise specified by a local or regional FAA official.

Forecast Review Process

Initially, FAA headquarters staff and management review forecasts for the hub airports and non-hub FAA facilities. These preliminary estimates are then submitted to FAA regional and district offices for review. Suggested changes made by the FAA regional staff are reviewed and, if determined reasonable by APO staff economists, are incorporated into the TAF. Significant increases in commercial activity forecasts are normally incorporated into the TAF only where APO receives verifiable evidence of a firm commitment by an air carrier or regional airline to initiate new service.

Summary statistics presented in the TAF differ from the national totals contained in FAA Aerospace Forecasts, Fiscal Years 2015-2035. Reasons for the differences are threefold. First, the TAF forecast methods consider airport and market specific trends. Second, the TAF and national forecast measurements vary. For example, the TAF includes facilities not serviced by the FAA in its totals. These facilities make up a large share of total general aviation operations. In addition, the TAF includes enplanements at U.S. airports only, whereas the national forecast includes enplanements on U.S. airlines at both U.S. and foreign airports. Finally, individual forecasts are not scaled to force aggregates to equal national totals.

Data Sources

The development of the TAF begins with an update of the latest historical enplanement, operation, and based aircraft statistics, using information derived from several sources. FAA's National Flight Data Center provides general airport information such as the airport name, location, and location identifier. Airport operations and tracon (radar assisted) operations data for airports with FAA and Federal contract air traffic control services are reported by FAA air traffic and Federal contract tower staff. Operations at non FAA airports are taken from FAA Form 5010 reports on aviation activity at the airport as estimated by FAA inspectors or information provided by airport managers, state aviation activity surveys, and other sources.

U.S. domestic and international (U.S. and foreign flag carriers) enplanements are derived from the Department of Transportation's (DOT's) T-100 database. Regional carrier enplanements are derived from DOT T-100 and 298-C data.[5]

The origin and destination (O&D) data are based on the Airline Origin and Destination Survey (DB1B). This is a 10 percent sample of airline tickets from carriers reporting to the Office of Airline Information at the Bureau of Transportation Statistics.

Based aircraft data are collected by FAA inspectors, airport managers, and state aviation officials and reported on FAA Form 5010. These data show numbers of aircraft, mostly general aviation aircraft, permanently based at an airport.

[5] In October 2002, DOT began collecting data for all airlines using the T-100 format. This change provides more detail on regional airlines, who previously reported on Form 298-C.

TAF and National Forecast Summary

Near-Term Forecasts

In 2014 total operations at FAA and contract towers declined 0.6 percent, commercial operations decreased 0.6 percent, and non-commercial operations decreased 0.7 percent based on OPSNET. Total enplanements at all airports were estimated to increase 1.8 percent in 2014.

In 2015 total operations at towers are forecast to increase 0.4 percent. This forecast increase in total operations at FAA and contract towers is attributable to forecast increases in air carrier (4.2 percent) and local civil operations (1.1 percent). The forecast increase in air carrier operations (aircraft with more than 60 seats) is attributable, in part, to a shift away from air taxi/commuter operations (aircraft with 60 or fewer seats) as a result of the substitution of larger aircraft for smaller regional jets. Total enplanements at all airports are forecast to increase 2.0 percent in 2015.

National Forecast Trends

Trends at individual airports reflect to varying degrees national aviation trends as well as the dynamics at individual airports. The national forecasts for FAA and contract towered airports in FAA Aerospace Forecasts, Fiscal Years 2015-2035 show aircraft operations growing at an average annual rate of 0.9 percent over the 21-year forecast period. Average annual growth rates for this period by user group are as follows: air carrier, 2.7 percent; air taxi/commuter, -1.2 percent; itinerant general aviation, 0.4 percent; and local civil, 0.5 percent. The projected average annual rate of increase for enplanements on U.S. mainline and regional carriers from the national forecast is 2.0 percent over the 21-year forecast period.

Trends by Region

There are 264 FAA towers and 252 Federal contract towers in the TAF. California had the most FAA towers with 33, followed by Texas with 19 and Florida with 18. Regions with the most FAA towers were Southern with 51, Great Lakes with 48, and Western Pacific with 46. Table S-3 presents the number of FAA and Federal contract towers by region and state.

Tables S-6 through S-11 summarize airport operations, tracon operations, enplanements, and based aircraft by region from 2010 through 2040. The Southern (22.3 million operations), Western Pacific (16.4 million), and Great Lakes (15.3 million) regions ranked as the top three FAA regions in airport operations in 2013. Operations for all TAF airports totaled 98.2 million. The Northwest Mountain and Eastern regions

are projected to be the fastest growing FAA regions from 2013 to 2040 in terms of airport operations, increasing 33 percent and 20 percent, respectively.

The Southern region led FAA regions in passengers enplaned with 170.8 million in 2013, followed by the Western Pacific region with 150.3 million passengers. Enplanements in the Southwest region are projected to increase the most in percentage terms increasing 78 percent from 2013 to 2040. The next two regions with the fastest projected increase in enplanements are Western Pacific (77 percent) and Northwest Mountain (75 percent).

In 2013, there was a national total of 167,000 based aircraft. Southern (31,200 aircraft), Western Pacific (28,400), and Great Lakes (27,300) ranked as the top three FAA regions.

Large, Medium, and Small Hubs

Table S-5 presents passenger enplanements and airport operations at FAA and contract towers by hub size. An airport qualifies as a large hub with one percent or more of total U.S. passenger enplanements. A medium hub airport enplanes from 0.25 to 0.99 percent of total U.S. passenger enplanements while small and non-hub airports enplane from 0.05 to 0.249 percent and less than 0.05 percent, respectively. Appendix B contains a list of hub airports classified by size (large, medium, small, and non-hub) as well as a list of Federal contract towers.

The 30 large hub airports enplaned 529.4 million passengers in 2013 while the 33 medium and 74 small hub airports enplaned 118.0 and 62.2 million passengers, respectively. The 379 non-hub airports enplaned 20.1 million passengers. Enplanements at large hubs are expected to increase at an annual rate of 2.1 percent over the 2013 to 2040 forecast period. Medium and small hub airports are forecast to increase 2.0 percent and 1.5 percent annually, respectively, during the forecast period.

Operations at large hub airports totaled 12.6 million compared to 4.9 million and 6.7 million at medium and small hub airports, respectively. Operations at large hub airports are forecast to increase at an annual rate of 1.5 percent from 2013 to 2040, growing to 18.9 million. Operations at the medium hubs are forecast to rise at an annual rate of 1.3 percent from 2013 to 2040; aircraft operations at small hub airports are forecast to grow 0.6 percent per year.

Non-hub airports accounted for 25.9 million operations or 52 percent of total operations at FAA and Federal contract towers. General aviation aircraft operations accounted for the majority of operations at these smaller airports.

Core Airports

Table S-1 presents enplanement forecast summaries for the Core airports. Atlanta was the busiest airport in 2013 (45.3 million enplanements), followed by Los Angeles (32.0 million), Chicago O'Hare (31.9 million), and Dallas/Ft. Worth (28.9 million). Los Angeles is forecast to have the strongest growth in enplanements among the top four airports, increasing at an annual rate of 2.2 percent over the 2013 to 2040 forecast period. Dallas/Ft. Worth, Atlanta, and Chicago O'Hare are forecast to increase 2.0, 2.0, and 1.9 percent per year, respectively, over the forecast period. Graph S-1 shows relative enplanements growth over the next 27 years. The four airports with the fastest projected increase are San Diego, Miami, Seattle, and John F. Kennedy.

San Diego is projected to make the largest upward movement in ranking of enplanements, from 28th to 22nd. Washington National is projected to make the largest drop in rankings, going from 20th to 26th.

Table S-2 presents operations forecast summaries for the Core airports. In 2013, FAA controllers at Atlanta handled 914,000 landings and takeoffs, followed by Chicago O'Hare, which totaled 878,000 operations. The next busiest airports were Dallas/Ft. Worth and Los Angeles with 677,000 and 606,000 airport operations, respectively.

In 2040, Atlanta is projected to stay in first place with 1.38 million operations. Chicago O'Hare (1.16 million operations) is projected to stay in second place. Los Angeles (1.02 million operations) is projected to move into third place and Dallas/Ft. Worth is projected to drop into fourth place with 974 thousand operations.

Graph S-2 shows that the five airports projected to grow the fastest in operations are Seattle, Miami, San Diego, Orlando, and John F. Kennedy. John F. Kennedy and Miami are expected to move into the list of the top 10 busiest airports; Phoenix and Philadelphia are expected to drop out of the top 10 ranking.

TAF and National Forecast Tables

Table S-1 Enplanements at Core Airports

Loc ID	Region	Airport Name	2013	2013 Percent*	2014	2018	2040	Rate** 2013-2040	Airport rating 2013	Airport rating 2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	45,335	6.17	45,812	50,785	77,249	1.99	1	1
LAX	AWP	LOS ANGELES INTL	31,957	4.35	33,438	37,762	57,102	2.17	2	2
ORD	AGL	CHICAGO O'HARE INTL	31,947	4.35	33,008	37,171	53,633	1.93	3	3
DFW	ASW	DALLAS / FORT WORTH INTL	28,931	3.94	29,851	33,171	49,763	2.02	4	4
DEN	ANM	DENVER INTL	25,479	3.47	25,803	27,416	41,157	1.79	5	6
JFK	AEA	JOHN F KENNEDY INTL	24,737	3.36	25,370	29,101	47,337	2.43	6	5
SFO	AWP	SAN FRANCISCO INTL	21,448	2.92	22,335	24,782	37,066	2.04	7	8
CLT	ASO	CHARLOTTE/DOUGLAS INTL	21,047	2.86	21,623	23,299	35,327	1.93	8	10
LAS	AWP	MC CARRAN INTL	19,845	2.70	20,100	22,526	36,774	2.31	9	9
PHX	AWP	PHOENIX SKY HARBOR INTL	19,494	2.65	19,935	22,523	35,320	2.22	10	11
MIA	ASO	MIAMI INTL	19,242	2.62	19,612	22,442	39,760	2.72	11	7
IAH	ASW	GEORGE BUSH INTERCONTINENTAL / HOUSTON	18,822	2.56	19,187	22,097	35,216	2.34	12	12
EWR	AEA	NEWARK LIBERTY INTL	17,178	2.34	17,446	19,516	31,244	2.24	13	15
MCO	ASO	ORLANDO INTL	16,945	2.30	16,913	19,403	31,686	2.34	14	14
SEA	ANM	SEATTLE-TACOMA INTL	16,537	2.25	17,088	20,940	32,709	2.55	15	13
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	16,176	2.20	16,730	17,946	26,154	1.79	16	16
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	15,624	2.12	15,748	17,141	25,458	1.82	17	18
PHL	AEA	PHILADELPHIA INTL	14,695	2.00	14,692	15,900	23,110	1.69	18	19
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	14,554	1.98	15,032	16,771	25,759	2.13	19	17
LGA	AEA	LA GUARDIA	13,226	1.80	13,349	14,179	15,821	0.66	20	26
FLL	ASO	FORT LAUDERDALE / HOLLYWOOD INTL	11,530	1.57	11,522	13,505	21,198	2.28	21	20
BWI	AEA	BALTIMORE WASHINGTON INTL THURGOOD MARSHALL	10,993	1.49	10,946	11,893	18,344	1.91	22	21
IAD	AEA	WASHINGTON DULLES INTL	10,573	1.44	10,366	10,862	16,724	1.71	23	25
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	9,832	1.33	9,812	11,768	14,967	1.56	24	27
MDW	AGL	CHICAGO MIDWAY INTL	9,764	1.33	10,099	11,075	16,737	2.01	25	24
SLC	ANM	SALT LAKE CITY INTL	9,638	1.31	9,908	11,545	17,693	2.27	26	23

Table S-1 Enplanements at the Core Airports (in thousands)

Loc ID	Region	Airport Name	2013	2013 Percent*	2014	2018	2040	Rate** 2013-2040	Airport rating 2013	Airport rating 2040
HNL	AWP	HONOLULU INTL	9,484	1.29	9,422	10,153	14,067	1.47	27	29
SAN	AWP	SAN DIEGO INTL	8,819	1.20	9,089	10,546	18,225	2.72	28	22
TPA	ASO	TAMPA INTL	8,251	1.12	8,405	9,511	14,778	2.18	29	28
MEM	ASO	MEMPHIS INTL	2,508	0.34	1,920	1,945	2,823	0.43	30	30
Totals			524,611	71.36	534,561	597,674	913,201	2.07		

*Percent of total US enplanements.

**Annual compound growth rate.

Graph S-1 Enplanements Growth Rates for the Core Airports, Fiscal Years 2013-2040

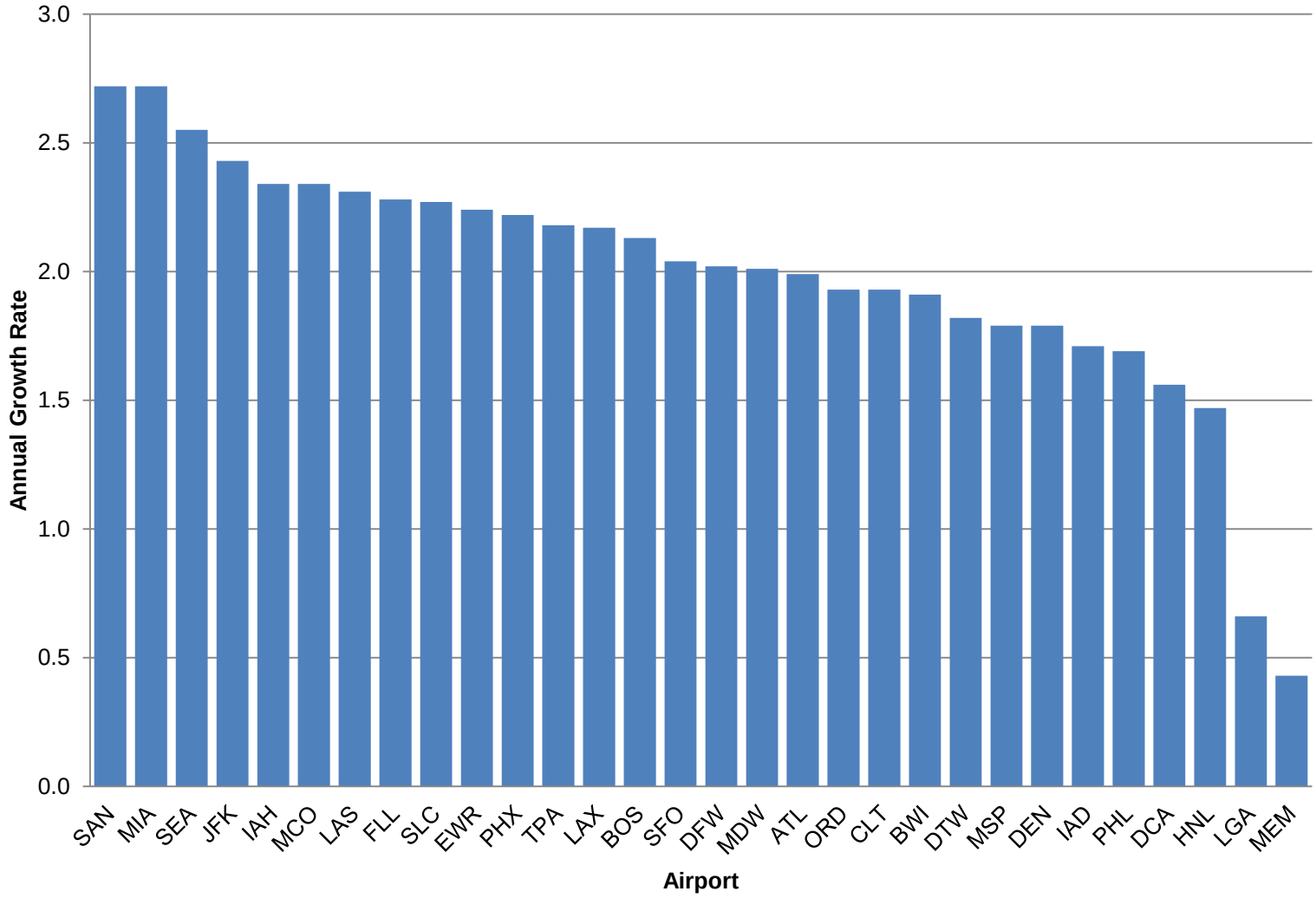

Table S-2 Airport Operations at the Core Airports (in thousands)

Loc ID	Region	Airport Name	2013	2013 Percent*	2014	2018	2040	Rate** 2013-2040	Airport rating 2013	Airport rating 2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	914	0.93	876	930	1,384	1.54	1	1
ORD	AGL	CHICAGO O'HARE INTL	878	0.89	879	927	1,157	1.02	2	2
DFW	ASW	DALLAS / FORT WORTH INTL	677	0.68	674	721	974	1.35	3	4
LAX	AWP	LOS ANGELES INTL	606	0.61	633	707	1,020	1.94	4	3
DEN	ANM	DENVER INTL	593	0.60	579	589	797	1.09	5	6
CLT	ASO	CHARLOTTE / DOUGLAS INTL	555	0.56	547	567	748	1.10	6	9
LAS	AWP	MC CARRAN INTL	521	0.53	523	568	843	1.79	7	5
IAH	ASW	GEORGE BUSH INTERCONTINENTAL / HOUSTON	504	0.51	504	538	730	1.38	8	10
PHX	AWP	PHOENIX SKY HARBOR INTL	437	0.44	430	470	714	1.82	9	11
PHL	AEA	PHILADELPHIA INTL	435	0.44	420	440	575	1.03	10	17
MSP	AGL	MINNEAPOLIS-ST PAUL INTL / WOLD-CHAMBERLAIN	429	0.43	418	428	591	1.19	11	15
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	426	0.43	400	415	573	1.10	12	18
SFO	AWP	SAN FRANCISCO INTL	417	0.42	432	465	656	1.69	13	12
EWR	AEA	NEWARK LIBERTY INTL	416	0.42	404	437	637	1.59	14	13
JFK	AEA	JOHN F KENNEDY INTL	409	0.41	426	488	758	2.31	15	8
MIA	ASO	MIAMI INTL	397	0.40	401	455	774	2.50	16	7
LGA	AEA	LA GUARDIA	371	0.37	370	385	388	0.16	17	25
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	361	0.36	369	399	581	1.77	18	16
IAD	AEA	WASHINGTON DULLES INTL	334	0.33	319	319	408	0.74	19	23
SLC	ANM	SALT LAKE CITY INTL	331	0.33	325	349	474	1.33	20	20
SEA	ANM	SEATTLE-TACOMA INTL	313	0.31	332	413	632	2.63	21	14
MCO	ASO	ORLANDO INTL	300	0.30	295	341	556	2.31	22	19
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	295	0.30	287	307	309	0.16	23	29
HNL	AWP	HONOLULU INTL	284	0.28	306	319	424	1.49	24	21
BWI	AEA	BALTIMORE / WASHINGTON INTL THURGOOD MARSHALL	260	0.26	247	263	390	1.51	25	24
FLL	ASO	FORT LAUDERDALE / HOLLYWOOD INTL	257	0.26	255	289	419	1.82	26	22
MDW	AGL	CHICAGO MIDWAY INTL	251	0.25	249	268	384	1.58	27	26
MEM	ASO	MEMPHIS INTL	240	0.24	220	230	316	1.01	28	28
SAN	AWP	SAN DIEGO INTL	188	0.19	189	220	367	2.50	29	27

Table S-2 Airport Operations at the Core Airports (in thousands)

Loc ID	Region	Airport Name	2013	2013 Percent*	2014	2018	2040	2013-2040	2013	2040
TPA	ASO	TAMPA INTL	186	0.18	184	204	304	1.83	30	30
Totals			12,585	12.65	12,493	13,451	18,883	1.51		

*Percent of total US operations.

**Annual compound growth rate.

Graph S-2 Airport Operations Growth Rates for the Core Airports, Fiscal Years 2013-2040

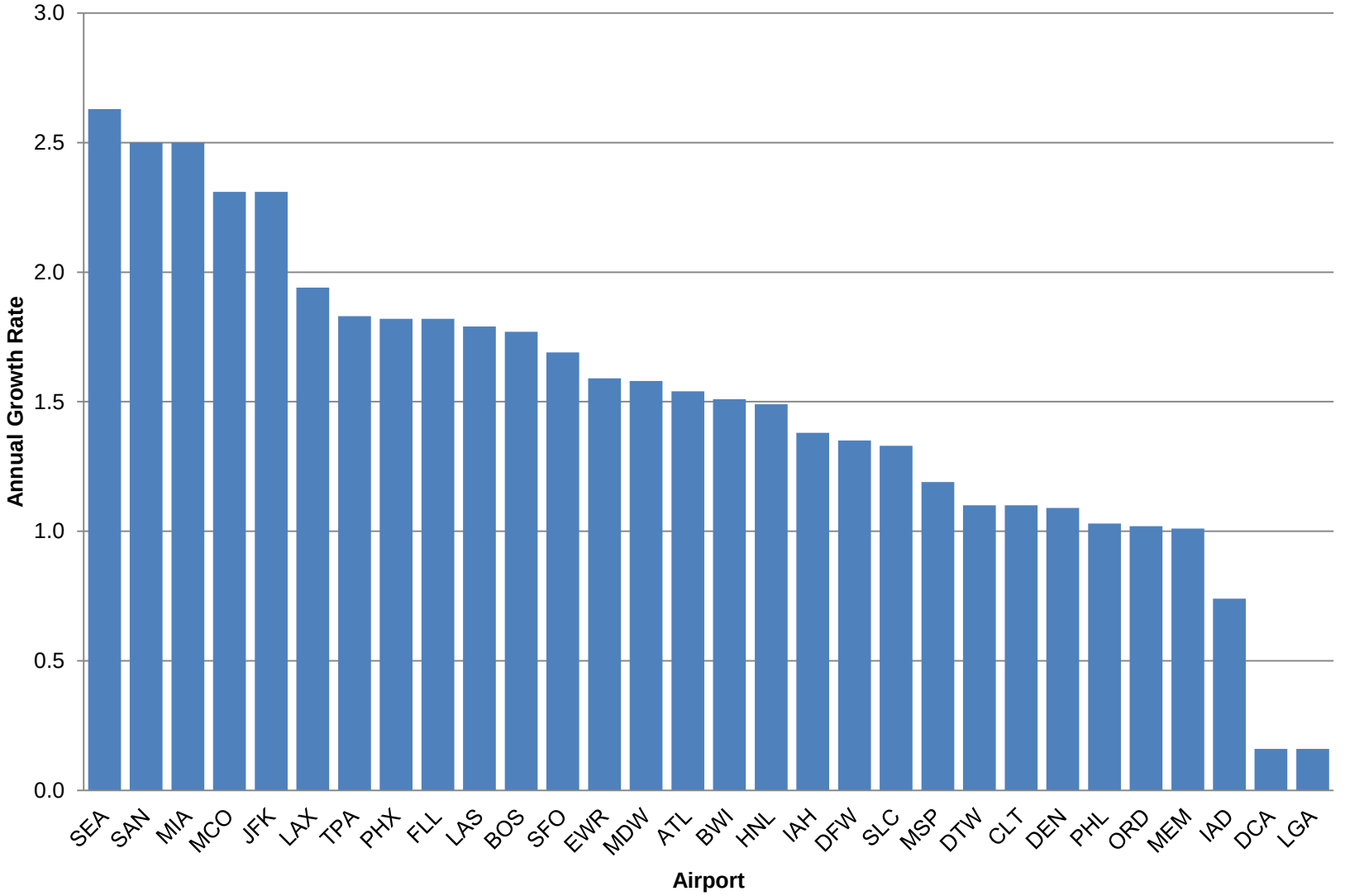

Table S-3 Air Traffic Control Towers and Contract Towers by Region and State

Region/State	FAA Towers	Contract Towers
Alaskan Region		
Alaska	4	4
Regional Total	4	4
Central Region		
Iowa	4	1
Kansas	1	8
Missouri	5	5
Nebraska	2	1
Regional Total	12	15
Eastern Region		
Delaware	1	0
District of Columbia	3	0
Maryland	2	5
New Jersey	5	1
New York	12	5
Pennsylvania	9	5
Virginia	4	2
West Virginia	3	4
Regional Total	39	22
Great Lakes Region		
Illinois	11	6
Indiana	6	4
Michigan	11	4
Minnesota	6	2
North Dakota	3	1
Ohio	7	5
South Dakota	1	1
Wisconsin	3	9
Regional Total	48	32
New England Region		
Connecticut	1	6
Maine	2	0
Massachusetts	3	8
New Hampshire	1	2
Rhode Island	1	0
Vermont	1	0
Regional Total	9	16
Northwest Mountain Region		
Colorado	6	3
Idaho	2	4
Montana	3	3
Oregon	3	7
Utah	1	2
Washington	6	7
Wyoming	1	2
Regional Total	22	28
Southern Region		
Alabama	4	3
Florida	18	25
Georgia	5	6
Kentucky	4	2
Mississippi	2	7
North Carolina	6	5
Puerto Rico	1	2
South Carolina	5	4
Tennessee	5	3
Virgin Islands	1	1
Regional Total	51	58
Southwestern Region		
Arkansas	2	5
Louisiana	7	5
New Mexico	2	4
Oklahoma	3	6
Texas	19	23
Regional Total	33	43
Western Pacific Region		
Arizona	7	7
California	33	20
Guam	0	1
Hawaii	3	4
Nevada	3	1
Northern Mariana Isl	0	1
Regional Total	46	34
Grand Total	**264**	**252**

Table S-4 Ranking of Top 100 FAA Towers by Total Enplanements, FY 2013

Rank	City	State	Location Identifier	Enplaned Passengers*	Percent of Total**	Cumulative Enplanements	Cumulative Percentage	Commercial Operations***	Cumulative Operations
1	ATLANTA	GA	ATL	45,334,990	6.17	45,334,990	6.17	906,484	906,484
2	LOS ANGELES	CA	LAX	31,957,324	4.35	77,292,314	10.52	585,461	1,491,945
3	CHICAGO	IL	ORD	31,947,093	4.35	109,239,407	14.88	869,744	2,361,689
4	DALLAS-FORT WORTH	TX	DFW	28,931,046	3.94	138,170,453	18.82	670,499	3,032,188
5	DENVER	CO	DEN	25,479,366	3.47	163,649,819	22.29	589,393	3,621,581
6	NEW YORK	NY	JFK	24,736,759	3.36	188,386,578	25.66	401,381	4,022,962
7	SAN FRANCISCO	CA	SFO	21,447,700	2.92	209,834,278	28.58	401,509	4,424,471
8	CHARLOTTE	NC	CLT	21,046,965	2.86	230,881,243	31.45	529,346	4,953,817
9	LAS VEGAS	NV	LAS	19,845,132	2.70	250,726,375	34.15	473,962	5,427,779
10	PHOENIX	AZ	PHX	19,494,181	2.65	270,220,556	36.81	413,547	5,841,326
11	MIAMI	FL	MIA	19,241,704	2.62	289,462,260	39.43	377,410	6,218,736
12	HOUSTON	TX	IAH	18,821,924	2.56	308,284,184	41.99	491,447	6,710,183
13	NEWARK	NJ	EWR	17,177,889	2.34	325,462,073	44.33	405,632	7,115,815
14	ORLANDO	FL	MCO	16,944,933	2.30	342,407,006	46.64	283,406	7,399,221
15	SEATTLE	WA	SEA	16,536,586	2.25	358,943,592	48.89	309,503	7,708,724
16	MINNEAPOLIS	MN	MSP	16,175,650	2.20	375,119,242	51.10	414,728	8,123,452
17	DETROIT	MI	DTW	15,624,114	2.12	390,743,356	53.23	419,672	8,543,124
18	PHILADELPHIA	PA	PHL	14,695,234	2.00	405,438,590	55.23	420,868	8,963,992
19	BOSTON	MA	BOS	14,554,115	1.98	419,992,705	57.21	345,803	9,309,795
20	NEW YORK	NY	LGA	13,226,108	1.80	433,218,813	59.01	364,266	9,674,061
21	FORT LAUDERDALE	FL	FLL	11,530,277	1.57	444,749,090	60.58	221,174	9,895,235
22	BALTIMORE	MD	BWI	10,993,045	1.49	455,742,135	62.08	242,897	10,138,132
23	WASHINGTON	DC	IAD	10,573,132	1.44	466,315,267	63.52	291,452	10,429,584
24	WASHINGTON	DC	DCA	9,832,050	1.33	476,147,317	64.86	287,919	10,717,503
25	CHICAGO	IL	MDW	9,764,042	1.33	485,911,359	66.19	212,878	10,930,381
26	SALT LAKE CITY	UT	SLC	9,637,994	1.31	495,549,353	67.50	264,836	11,195,217
27	HONOLULU	HI	HNL	9,484,443	1.29	505,033,796	68.80	223,083	11,418,300
28	SAN DIEGO	CA	SAN	8,819,087	1.20	513,852,883	70.00	178,120	11,596,420

Table S-4 Ranking of Top 100 FAA Towers by Total Enplanements, FY 2013

Rank	City	State	Location Identifier	Enplaned Passengers*	Percent of Total**	Cumulative Enplanements	Cumulative Percentage	Commercial Operations***	Cumulative Operations
29	TAMPA	FL	TPA	8,250,597	1.12	522,103,480	71.12	164,437	11,760,857
30	PORTLAND	OR	PDX	7,341,588	1.00	529,445,068	72.12	186,198	11,947,055
31	ST LOUIS	MO	STL	6,238,736	0.84	535,683,804	72.97	179,719	12,126,774
32	HOUSTON	TX	HOU	5,213,512	0.71	540,897,316	73.68	146,813	12,273,587
33	NASHVILLE	TN	BNA	4,943,699	0.67	545,841,015	74.36	143,220	12,416,807
34	AUSTIN	TX	AUS	4,809,436	0.65	550,650,451	75.01	117,985	12,534,792
35	KANSAS CITY	MO	MCI	4,800,318	0.65	555,450,769	75.66	124,871	12,659,663
36	OAKLAND	CA	OAK	4,799,748	0.65	560,250,517	76.32	125,666	12,785,329
37	SANTA ANA	CA	SNA	4,521,251	0.61	564,771,768	76.93	95,252	12,880,581
38	NEW ORLEANS	LA	MSY	4,479,535	0.61	569,251,303	77.54	108,799	12,989,380
39	RALEIGH/DURHAM	NC	RDU	4,469,184	0.60	573,720,487	78.15	134,961	13,124,341
40	CLEVELAND	OH	CLE	4,347,093	0.59	578,067,580	78.75	171,850	13,296,191
41	SACRAMENTO	CA	SMF	4,264,435	0.58	582,332,015	79.33	96,425	13,392,616
42	SAN JOSE	CA	SJC	4,228,666	0.57	586,560,681	79.90	105,271	13,497,887
43	SAN JUAN	PR	SJU	4,105,530	0.55	590,666,211	80.46	131,798	13,629,685
44	SAN ANTONIO	TX	SAT	3,995,774	0.54	594,661,985	81.01	118,413	13,748,098
45	DALLAS	TX	DAL	3,971,064	0.54	598,633,049	81.55	121,725	13,869,823
46	PITTSBURGH	PA	PIT	3,829,500	0.52	602,462,549	82.07	119,081	13,988,904
47	FORT MYERS	FL	RSW	3,782,147	0.51	606,244,696	82.58	72,309	14,061,213
48	INDIANAPOLIS	IN	IND	3,499,948	0.47	609,744,644	83.06	137,228	14,198,441
49	MILWAUKEE	WI	MKE	3,227,117	0.43	612,971,761	83.50	104,355	14,302,796
50	COLUMBUS	OH	CMH	3,053,230	0.41	616,024,991	83.92	103,575	14,406,371
51	KAHULUI	HI	OGG	2,980,626	0.40	619,005,617	84.32	108,606	14,514,977
52	WEST PALM BEACH	FL	PBI	2,823,790	0.38	621,829,407	84.71	75,802	14,590,779
53	COVINGTON	KY	CVG	2,790,079	0.38	624,619,486	85.09	132,927	14,723,706
54	WINDSOR LOCKS	CT	BDL	2,623,133	0.35	627,242,619	85.45	77,049	14,800,755
55	BUFFALO	NY	BUF	2,577,799	0.35	629,820,418	85.80	80,296	14,881,051
56	JACKSONVILLE	FL	JAX	2,545,262	0.34	632,365,680	86.14	69,669	14,950,720
57	MEMPHIS	TN	MEM	2,507,719	0.34	634,873,399	86.48	219,593	15,170,313
58	ALBUQUERQUE	NM	ABQ	2,491,810	0.33	637,365,209	86.82	85,754	15,256,067

Table S-4 Ranking of Top 100 FAA Towers by Total Enplanements, FY 2013

Rank	City	State	Location Identifier	Enplaned Passengers*	Percent of Total**	Cumulative Enplanements	Cumulative Percentage	Commercial Operations***	Cumulative Operations
59	ANCHORAGE	AK	ANC	2,293,056	0.31	639,658,265	87.14	179,327	15,435,394
60	ONTARIO	CA	ONT	1,978,516	0.26	641,636,781	87.41	66,806	15,502,200
61	OMAHA	NE	OMA	1,970,347	0.26	643,607,128	87.67	70,575	15,572,775
62	BURBANK	CA	BUR	1,942,433	0.26	645,549,561	87.94	65,356	15,638,131
63	PROVIDENCE	RI	PVD	1,858,255	0.25	647,407,816	88.19	48,648	15,686,779
64	OKLAHOMA CITY	OK	OKC	1,786,917	0.24	649,194,733	88.44	60,630	15,747,409
65	RENO	NV	RNO	1,683,343	0.22	650,878,076	88.67	48,506	15,795,915
66	LOUISVILLE	KY	SDF	1,661,333	0.22	652,539,409	88.89	135,435	15,931,350
67	TUCSON	AZ	TUS	1,593,235	0.21	654,132,644	89.11	51,259	15,982,609
68	RICHMOND	VA	RIC	1,581,999	0.21	655,714,643	89.32	66,521	16,049,130
69	NORFOLK	VA	ORF	1,577,611	0.21	657,292,254	89.54	60,102	16,109,232
70	AGANA	GU	GUM	1,497,351	0.20	658,789,605	89.74	27,390	16,136,622
71	LONG BEACH	CA	LGB	1,458,926	0.19	660,248,531	89.94	33,022	16,169,644
72	SPOKANE	WA	GEG	1,420,166	0.19	661,668,697	90.14	43,520	16,213,164
73	KAILUA/KONA	HI	KOA	1,395,789	0.19	663,064,486	90.33	49,343	16,262,507
74	CHARLESTON	SC	CHS	1,391,455	0.18	664,455,941	90.51	53,510	16,316,017
75	EL PASO	TX	ELP	1,377,812	0.18	665,833,753	90.70	57,164	16,373,181
76	BIRMINGHAM	AL	BHM	1,353,632	0.18	667,187,385	90.89	51,846	16,425,027
77	LIHUE	HI	LIH	1,321,079	0.17	668,508,464	91.07	96,633	16,521,660
78	TULSA	OK	TUL	1,313,922	0.17	669,822,386	91.25	52,456	16,574,116
79	BOISE	ID	BOI	1,307,620	0.17	671,130,006	91.42	45,488	16,619,604
80	DAYTON	OH	DAY	1,273,954	0.17	672,403,960	91.60	46,109	16,665,713
81	ROCHESTER	NY	ROC	1,206,885	0.16	673,610,845	91.76	49,801	16,715,514
82	ALBANY	NY	ALB	1,201,781	0.16	674,812,626	91.93	47,954	16,763,468
83	MANCHESTER	NH	MHT	1,187,474	0.16	676,000,100	92.09	43,870	16,807,338
84	GRAND RAPIDS	MI	GRR	1,098,690	0.14	677,098,790	92.24	43,877	16,851,215
85	LITTLE ROCK	AR	LIT	1,074,366	0.14	678,173,156	92.38	42,570	16,893,785
86	DES MOINES	IA	DSM	1,068,895	0.14	679,242,051	92.53	42,935	16,936,720
87	SYRACUSE	NY	SYR	985,395	0.13	680,227,446	92.66	45,828	16,982,548
88	ORLANDO	FL	SFB	944,086	0.12	681,171,532	92.79	13,888	16,996,436
89	GREER	SC	GSP	915,693	0.12	682,087,225	92.92	36,901	17,033,337

Table S-4 Ranking of Top 100 FAA Towers by Total Enplanements, FY 2013

Rank	City	State	Location Identifier	Enplaned Passengers*	Percent of Total**	Cumulative Enplanements	Cumulative Percentage	Commercial Operations***	Cumulative Operations
90	PALM SPRINGS	CA	PSP	881,521	0.12	682,968,746	93.04	31,476	17,064,813
91	AKRON	OH	CAK	874,074	0.11	683,842,820	93.16	30,144	17,094,957
92	GREENSBORO	NC	GSO	861,065	0.11	684,703,885	93.27	46,498	17,141,455
93	KNOXVILLE	TN	TYS	823,852	0.11	685,527,737	93.39	43,329	17,184,784
94	PORTLAND	ME	PWM	823,004	0.11	686,350,741	93.50	31,543	17,216,327
95	MADISON	WI	MSN	815,837	0.11	687,166,578	93.61	33,517	17,249,844
96	MYRTLE BEACH	SC	MYR	806,536	0.10	687,973,114	93.72	121,949	17,371,793
97	SAVANNAH	GA	SAV	797,413	0.10	688,770,527	93.83	35,958	17,407,751
98	WHITE PLAINS	NY	HPN	766,690	0.10	689,537,217	93.93	65,420	17,473,171
99	PHOENIX	AZ	IWA	762,052	0.10	690,299,269	94.04	20,826	17,493,997
100	PENSACOLA	FL	PNS	744,947	0.10	691,044,216	94.14	28,825	17,522,822
Total of airports 101 thru 516				38,676,467	5.300	729,720,683	99.44	4,054,189	21,577,011

*Enplanements include air carrier, commuter and international.

**Percent is of national total enplanements.

***Operations include itinerant air carrier and air taxi only.

Table S-5 Summary of Enplanements and Airport Operations at FAA Towers and Contract Towers

Enplanements at Towered Airports

	Count	2013	2040	Annual Compound Growth Rate 2013-2040
Large Hubs	30	529,445,068	923,014,356	2.07
Medium Hubs	33	117,962,748	200,359,009	1.98
Small Hubs	74	62,180,937	93,090,415	1.50
Non Hub Towers	379	20,131,930	33,395,697	1.89
Total	516	729,720,683	1,249,859,477	2.01

Operations at Towered Airports

	Count	2013	2040	Annual Compound Growth Rate 2013-2040
Large Hubs	30	12,555,175	18,910,644	1.52
Medium Hubs	33	4,947,444	6,999,562	1.29
Small Hubs	74	6,656,692	7,922,096	0.64
Non Hub Towers	379	25,897,344	28,896,148	0.40
Total	516	50,056,655	62,728,450	0.83

Table S-6 Commercial Airport Operations Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
Historical										
2010	892,114	754,260	3,754,714	3,959,346	1,007,159	2,509,593	5,287,964	2,739,246	4,213,301	25,117,697
2011	966,993	753,863	3,752,492	3,930,017	999,862	2,474,806	5,229,181	2,728,233	4,276,445	25,111,892
2012	978,538	750,262	3,748,561	3,801,157	984,577	2,357,975	5,157,408	2,705,244	4,402,743	24,886,465
2013	973,892	728,014	3,650,772	3,769,368	954,733	2,295,774	5,103,800	2,730,735	4,385,286	24,592,374
Forecast										
2014	975,616	722,473	3,587,527	3,680,491	945,793	2,319,390	5,040,719	2,727,528	4,472,983	24,472,520
2015	986,480	720,736	3,598,431	3,632,712	943,777	2,354,033	5,077,791	2,775,569	4,518,484	24,608,013
2016	992,919	732,892	3,664,675	3,689,219	959,422	2,398,612	5,179,152	2,828,384	4,610,324	25,055,599
2017	1,000,049	744,896	3,730,027	3,743,549	975,679	2,444,308	5,282,422	2,879,304	4,706,032	25,506,266
2018	1,007,116	754,927	3,776,732	3,786,733	990,649	2,486,149	5,372,600	2,921,021	4,795,290	25,891,217
2019	1,014,405	764,526	3,816,362	3,825,048	1,005,029	2,525,861	5,456,760	2,958,375	4,879,115	26,245,481
2020	1,021,611	773,933	3,855,521	3,862,507	1,019,159	2,562,789	5,536,780	2,990,733	4,959,334	26,582,367
2021	1,028,573	781,100	3,881,741	3,887,124	1,030,996	2,593,070	5,601,238	3,012,761	5,028,338	26,844,941
2022	1,035,639	787,266	3,900,230	3,903,199	1,042,201	2,622,010	5,658,392	3,028,547	5,093,612	27,071,096
2023	1,042,735	795,198	3,929,621	3,932,017	1,054,754	2,655,956	5,731,196	3,056,749	5,165,011	27,363,237
2024	1,049,970	805,641	3,977,412	3,980,199	1,068,717	2,696,734	5,825,273	3,103,587	5,245,305	27,752,838
2025	1,057,208	816,438	4,028,198	4,031,477	1,082,866	2,737,073	5,921,421	3,154,471	5,324,284	28,153,436
2026	1,064,462	826,861	4,078,299	4,082,074	1,096,888	2,776,840	6,017,949	3,205,643	5,403,329	28,552,345
2027	1,071,820	837,702	4,130,133	4,134,902	1,111,182	2,818,203	6,118,984	3,258,636	5,485,199	28,966,761
2028	1,079,347	848,861	4,182,474	4,188,651	1,125,835	2,861,168	6,221,291	3,313,804	5,569,715	29,391,146
2029	1,086,886	860,376	4,236,007	4,243,815	1,140,710	2,905,250	6,326,420	3,370,894	5,656,394	29,826,752
2030	1,094,549	872,220	4,291,643	4,300,977	1,156,230	2,951,187	6,435,032	3,429,863	5,746,144	30,277,845
2031	1,102,290	884,193	4,347,769	4,358,260	1,171,924	2,997,239	6,543,647	3,488,103	5,835,255	30,728,680
2032	1,110,149	896,233	4,405,142	4,417,262	1,187,931	3,043,504	6,652,980	3,545,550	5,924,492	31,183,243
2033	1,118,174	908,530	4,463,986	4,476,799	1,204,022	3,090,434	6,764,017	3,604,013	6,015,454	31,645,429
2034	1,126,273	920,880	4,522,653	4,537,259	1,220,388	3,137,998	6,872,801	3,662,159	6,108,723	32,109,134
2035	1,134,653	933,416	4,581,465	4,598,448	1,237,068	3,186,303	6,981,883	3,720,948	6,203,755	32,577,939
2036	1,143,078	945,804	4,639,968	4,659,318	1,253,018	3,234,060	7,090,737	3,779,131	6,297,499	33,042,613

Table S-6 Commercial Airport Operations Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
2037	1,151,520	957,872	4,696,831	4,718,943	1,269,170	3,281,759	7,196,483	3,837,301	6,391,099	33,500,978
2038	1,160,140	969,726	4,753,578	4,778,500	1,285,537	3,329,468	7,303,383	3,894,742	6,484,740	33,959,814
2039	1,168,696	981,602	4,807,709	4,837,099	1,301,190	3,376,656	7,409,369	3,951,976	6,577,465	34,411,762
2040	1,177,431	993,243	4,861,817	4,895,189	1,316,685	3,424,631	7,514,633	4,009,604	6,670,339	34,863,572

*Includes air carrier and commuter/air taxi operations at all airports.

Table S-7 Itinerant Airport Operations Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western (AWP)	National Total
Historical										
2010	1,375,954	2,670,201	7,313,851	9,378,374	2,460,657	6,668,185	14,798,667	7,957,586	10,499,065	63,122,540
2011	1,512,164	2,671,104	7,192,883	9,136,845	2,308,904	6,548,769	14,711,588	7,980,812	10,500,556	62,563,625
2012	1,515,204	2,690,523	7,191,580	8,993,370	2,317,060	6,434,950	14,620,128	7,678,646	10,558,620	62,000,081
2013	1,505,447	2,618,381	6,878,525	8,820,646	2,209,568	6,315,070	14,506,854	7,773,617	10,473,233	61,101,341
Forecast										
2014	1,510,266	2,584,763	6,795,257	8,660,648	2,191,135	6,393,111	14,368,904	7,716,406	10,629,932	60,850,422
2015	1,523,666	2,576,613	6,814,327	8,610,356	2,184,955	6,473,757	14,364,756	7,801,323	10,664,743	61,014,496
2016	1,531,166	2,590,551	6,893,842	8,682,193	2,202,917	6,554,726	14,488,833	7,874,422	10,771,756	61,590,406
2017	1,539,370	2,604,351	6,972,619	8,751,875	2,221,506	6,637,387	14,615,102	7,945,972	10,882,804	62,170,986
2018	1,547,524	2,616,186	7,032,918	8,810,594	2,238,818	6,716,798	14,728,583	8,008,667	10,987,578	62,687,666
2019	1,555,912	2,627,603	7,086,293	8,864,514	2,255,555	6,794,706	14,836,353	8,067,332	11,087,090	63,175,358
2020	1,564,231	2,638,838	7,139,365	8,917,765	2,272,054	6,870,467	14,940,301	8,121,352	11,183,180	63,647,553
2021	1,572,317	2,647,848	7,179,656	8,958,353	2,286,275	6,940,057	15,029,001	8,165,424	11,268,233	64,047,164
2022	1,580,525	2,655,866	7,212,376	8,990,601	2,299,876	7,008,965	15,110,725	8,203,621	11,349,745	64,412,300
2023	1,588,775	2,665,664	7,256,177	9,035,783	2,314,839	7,083,573	15,208,438	8,254,558	11,437,570	64,845,377
2024	1,597,176	2,677,983	7,318,545	9,100,407	2,331,223	7,165,880	15,327,778	8,324,502	11,534,481	65,377,975
2025	1,605,595	2,690,671	7,384,075	9,168,327	2,347,808	7,248,486	15,449,514	8,398,932	11,630,278	65,923,686
2026	1,614,045	2,702,996	7,449,098	9,235,801	2,364,281	7,331,331	15,571,983	8,474,053	11,726,336	66,469,924
2027	1,622,613	2,715,748	7,516,039	9,305,746	2,381,038	7,416,613	15,699,296	8,551,411	11,825,425	67,033,929
2028	1,631,366	2,728,832	7,583,674	9,376,841	2,398,166	7,504,369	15,828,249	8,631,377	11,927,358	67,610,232
2029	1,640,144	2,742,284	7,652,689	9,449,630	2,415,532	7,594,119	15,960,397	8,713,675	12,031,669	68,200,139
2030	1,649,062	2,756,086	7,723,708	9,524,668	2,433,558	7,686,634	16,096,414	8,798,311	12,139,264	68,807,705
2031	1,658,071	2,770,032	7,795,417	9,600,094	2,451,771	7,780,192	16,232,804	8,882,662	12,246,437	69,417,480
2032	1,667,213	2,784,067	7,868,569	9,677,514	2,470,311	7,874,910	16,370,301	8,966,677	12,353,964	70,033,526
2033	1,676,535	2,798,377	7,943,403	9,755,734	2,488,952	7,971,264	16,509,893	9,052,175	12,463,445	70,659,778
2034	1,685,946	2,812,761	8,018,256	9,835,174	2,507,877	8,069,250	16,647,624	9,137,842	12,575,464	71,290,194
2035	1,695,655	2,827,353	8,093,464	9,915,619	2,527,130	8,169,013	16,786,068	9,224,645	12,689,485	71,928,432
2036	1,705,425	2,841,817	8,168,576	9,996,020	2,545,669	8,269,287	16,924,704	9,311,355	12,802,457	72,565,310

Table S-7 Itinerant Airport Operations Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western (AWP)	National Total
2037	1,715,228	2,855,989	8,242,263	10,075,477	2,564,424	8,370,558	17,060,652	9,398,572	12,915,544	73,198,707
2038	1,725,226	2,869,966	8,316,051	10,155,173	2,583,407	8,472,948	17,198,191	9,485,579	13,028,919	73,835,460
2039	1,735,176	2,883,987	8,387,439	10,234,222	2,601,694	8,575,955	17,335,255	9,572,916	13,141,636	74,468,280
2040	1,745,321	2,897,795	8,459,027	10,313,066	2,619,838	8,680,900	17,472,038	9,661,205	13,254,765	75,103,955

*Includes itinerant air carrier, commuter/air taxi, general aviation and military operations at all airports.

Table S-8 Total Airport Operations Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
Historical										
2010	1,657,821	4,659,989	11,531,856	16,283,317	4,006,733	10,794,569	22,430,989	13,477,225	16,498,267	101,340,766
2011	1,846,387	4,673,290	11,269,548	15,821,010	3,728,948	10,533,555	22,409,048	13,397,406	16,422,212	100,101,404
2012	1,843,881	4,740,615	11,169,965	15,649,076	3,766,936	10,346,539	22,273,778	13,033,449	16,475,328	99,299,567
2013	1,838,141	4,657,963	10,820,264	15,305,889	3,561,861	10,167,585	22,318,112	13,066,676	16,428,906	98,165,397
Forecast										
2014	1,843,409	4,609,520	10,733,331	15,053,323	3,517,800	10,281,096	22,154,818	13,002,571	16,694,445	97,890,313
2015	1,858,498	4,605,398	10,790,800	15,016,531	3,502,956	10,403,016	22,189,298	13,146,675	16,756,353	98,269,525
2016	1,866,739	4,620,658	10,889,466	15,107,942	3,522,010	10,513,076	22,337,891	13,241,197	16,876,192	98,975,171
2017	1,875,686	4,635,789	10,987,688	15,197,150	3,541,697	10,625,318	22,489,035	13,334,542	17,000,176	99,687,081
2018	1,884,588	4,648,966	11,067,723	15,275,613	3,560,114	10,734,842	22,627,755	13,419,392	17,117,998	100,336,991
2019	1,893,729	4,661,739	11,141,125	15,349,472	3,577,961	10,843,318	22,761,136	13,500,594	17,230,674	100,959,748
2020	1,902,805	4,674,340	11,214,826	15,422,910	3,595,577	10,950,185	22,891,077	13,577,513	17,340,042	101,569,275
2021	1,911,653	4,684,723	11,275,477	15,483,893	3,610,920	11,051,288	23,006,154	13,644,892	17,438,489	102,107,489
2022	1,920,626	4,694,126	11,329,158	15,536,801	3,625,650	11,152,213	23,114,654	13,706,773	17,533,508	102,613,509
2023	1,929,647	4,705,322	11,394,231	15,602,874	3,641,751	11,259,443	23,239,546	13,781,798	17,634,964	103,189,576
2024	1,938,825	4,719,045	11,478,193	15,688,519	3,659,278	11,374,956	23,386,469	13,876,252	17,745,631	103,867,168
2025	1,948,025	4,733,150	11,565,653	15,777,717	3,677,012	11,491,379	23,536,203	13,975,603	17,855,307	104,560,049
2026	1,957,262	4,746,901	11,652,935	15,866,768	3,694,642	11,608,700	23,687,103	14,076,089	17,965,374	105,255,774
2027	1,966,620	4,761,087	11,742,481	15,958,599	3,712,563	11,729,139	23,843,268	14,179,249	18,078,593	105,971,599
2028	1,976,169	4,775,616	11,833,072	16,051,893	3,730,859	11,852,765	24,001,527	14,285,472	18,194,792	106,702,165
2029	1,985,748	4,790,525	11,925,401	16,147,219	3,749,399	11,979,103	24,163,428	14,394,497	18,313,494	107,448,814
2030	1,995,472	4,805,795	12,019,799	16,245,132	3,768,607	12,108,953	24,329,662	14,506,347	18,435,616	108,215,383
2031	2,005,292	4,821,219	12,115,256	16,343,768	3,788,007	12,240,605	24,496,733	14,618,401	18,557,448	108,986,729
2032	2,015,252	4,836,745	12,212,537	16,444,742	3,807,744	12,374,204	24,665,389	14,730,613	18,679,768	109,766,994
2033	2,025,397	4,852,559	12,311,891	16,546,864	3,827,588	12,510,250	24,836,618	14,844,821	18,804,185	110,560,173
2034	2,035,636	4,868,460	12,411,656	16,650,567	3,847,721	12,648,752	25,006,487	14,959,718	18,931,281	111,360,278
2035	2,046,178	4,884,582	12,512,185	16,755,630	3,868,187	12,789,880	25,177,578	15,076,285	19,060,518	112,171,023
2036	2,056,786	4,900,587	12,613,027	16,861,019	3,887,945	12,932,399	25,349,379	15,193,293	19,188,853	112,983,288

Table S-8 Total Airport Operations Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
2037	2,067,432	4,916,315	12,712,868	16,965,845	3,907,926	13,076,812	25,519,022	15,311,360	19,317,445	113,795,025
2038	2,078,278	4,931,859	12,813,241	17,071,284	3,928,142	13,223,276	25,690,804	15,429,782	19,446,476	114,613,142
2039	2,089,083	4,947,465	12,911,656	17,176,482	3,947,669	13,371,304	25,862,652	15,549,116	19,574,996	115,430,423
2040	2,100,088	4,962,870	13,010,710	17,281,866	3,967,060	13,522,267	26,034,771	15,669,997	19,704,082	116,253,711

*Includes all itinerant and local operations at all airports.

Table S-9 TRACON Operations Summary by Region

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
Historical										
2010	376,723	1,315,591	5,987,963	5,629,290	1,495,789	2,963,910	9,537,773	5,126,234	6,529,775	38,963,048
2011	372,753	1,313,121	5,935,900	5,461,079	1,467,058	2,932,576	9,476,742	5,316,833	6,019,093	38,295,155
2012	367,648	1,318,638	5,918,379	5,386,757	1,397,435	2,840,736	9,277,018	5,214,290	6,057,072	37,777,973
2013	358,581	1,239,629	5,676,943	5,215,434	1,363,177	2,775,624	9,179,526	5,160,831	6,014,158	36,983,903
Forecast										
2014	359,662	1,223,564	5,629,251	5,072,721	1,356,804	2,834,102	9,005,002	5,132,931	6,208,864	36,822,901
2015	368,993	1,211,518	5,629,217	4,999,699	1,348,781	2,864,876	8,993,386	5,183,196	6,236,812	36,836,478
2016	371,887	1,225,806	5,708,793	5,065,275	1,366,989	2,910,117	9,115,360	5,246,172	6,339,615	37,350,014
2017	375,441	1,239,667	5,786,556	5,128,494	1,385,638	2,956,201	9,238,102	5,306,716	6,445,722	37,862,537
2018	378,871	1,250,563	5,841,111	5,176,743	1,402,147	2,997,344	9,342,943	5,355,570	6,542,276	38,287,568
2019	382,427	1,260,584	5,886,190	5,218,304	1,417,677	3,036,008	9,439,533	5,398,902	6,632,234	38,671,859
2020	385,857	1,270,158	5,929,967	5,258,290	1,432,758	3,071,573	9,530,729	5,436,620	6,717,458	39,033,410
2021	388,973	1,276,644	5,957,469	5,281,084	1,444,742	3,099,583	9,601,981	5,461,797	6,789,010	39,301,283
2022	392,124	1,281,247	5,973,596	5,292,174	1,455,392	3,125,348	9,662,094	5,478,642	6,854,893	39,515,510
2023	395,296	1,289,028	6,006,539	5,321,391	1,468,556	3,157,450	9,744,792	5,511,353	6,930,437	39,824,842
2024	398,573	1,301,654	6,067,286	5,378,042	1,484,951	3,198,949	9,859,631	5,568,307	7,021,172	40,278,565
2025	401,807	1,315,187	6,133,120	5,439,857	1,501,897	3,240,229	9,979,112	5,630,551	7,112,322	40,754,082
2026	405,014	1,328,329	6,198,281	5,500,821	1,518,704	3,280,852	10,098,928	5,693,085	7,203,391	41,227,405
2027	408,266	1,341,955	6,265,656	5,564,168	1,535,854	3,323,085	10,223,863	5,757,680	7,297,961	41,718,488
2028	411,649	1,355,934	6,333,800	5,628,804	1,553,416	3,366,937	10,350,652	5,824,599	7,395,409	42,221,200
2029	414,993	1,370,337	6,403,430	5,695,195	1,571,256	3,411,891	10,480,692	5,893,625	7,495,282	42,736,701
2030	418,411	1,385,112	6,475,563	5,763,916	1,589,819	3,458,701	10,614,905	5,964,768	7,598,594	43,269,789
2031	421,860	1,400,005	6,548,274	5,832,700	1,608,557	3,505,601	10,749,121	6,035,199	7,701,404	43,802,721
2032	425,367	1,414,993	6,622,416	5,903,041	1,627,621	3,552,645	10,884,172	6,104,911	7,804,410	44,339,576
2033	428,993	1,430,257	6,698,264	5,974,602	1,646,801	3,600,333	11,021,363	6,175,787	7,909,369	44,885,769
2034	432,629	1,445,594	6,774,015	6,047,052	1,666,252	3,648,601	11,156,150	6,246,376	8,015,962	45,432,631
2035	436,494	1,461,123	6,850,019	6,120,313	1,686,041	3,697,604	11,291,621	6,317,686	8,124,060	45,984,961
2036	440,337	1,476,520	6,925,735	6,193,107	1,705,050	3,745,974	11,426,711	6,388,369	8,231,874	46,533,677

Table S-9 TRACON Operations Summary by Region

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
2037	444,143	1,491,554	6,999,704	6,264,427	1,724,222	3,794,178	11,558,500	6,458,965	8,339,401	47,075,094
2038	448,070	1,506,372	7,073,607	6,335,625	1,743,600	3,842,359	11,691,521	6,528,876	8,447,094	47,617,124
2039	451,867	1,521,200	7,144,777	6,405,642	1,762,223	3,889,868	11,823,209	6,598,500	8,553,773	48,151,059
2040	455,793	1,535,749	7,215,954	6,475,064	1,780,663	3,938,152	11,954,496	6,668,547	8,660,597	48,685,015

Table S-10 Enplanements Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
Historical										
2010	4,165,245	15,975,069	115,861,696	96,838,713	21,199,291	65,451,243	162,913,063	79,783,665	140,630,636	702,818,621
2011	4,377,025	16,247,278	118,328,419	98,579,675	22,367,970	67,510,844	169,095,789	81,703,579	144,759,533	722,970,112
2012	4,377,112	16,347,060	119,867,749	98,413,657	22,242,987	67,863,588	170,789,344	82,374,948	148,818,946	731,095,391
2013	4,433,036	16,332,116	120,013,929	98,037,774	22,348,779	68,249,733	170,817,487	83,547,174	150,264,691	734,044,719
Forecast										
2014	4,481,699	16,488,685	120,845,256	100,184,319	22,983,864	69,874,233	173,054,244	86,149,175	153,531,712	747,593,187
2015	4,418,502	16,317,762	123,120,437	101,296,969	23,066,918	71,728,439	176,123,810	88,731,258	157,611,692	762,415,787
2016	4,488,273	16,706,971	126,201,823	103,982,075	23,686,153	73,815,668	181,202,664	91,906,982	162,120,647	784,111,256
2017	4,567,230	17,168,448	129,760,764	106,705,100	24,368,161	76,068,024	186,689,834	94,924,849	167,062,083	807,314,493
2018	4,642,401	17,599,448	132,861,402	109,313,815	25,004,683	78,246,012	191,855,503	97,592,725	171,850,683	828,966,672
2019	4,712,935	18,025,122	135,894,655	111,896,467	25,610,583	80,372,926	196,890,791	100,190,866	176,447,588	850,041,933
2020	4,778,824	18,462,445	138,834,973	114,506,454	26,206,893	82,394,282	201,770,606	102,633,623	180,885,378	870,473,478
2021	4,839,018	18,844,124	141,538,719	116,813,950	26,730,246	84,189,008	206,158,987	104,864,693	184,927,926	888,906,671
2022	4,900,218	19,231,347	144,263,280	119,157,136	27,248,737	86,053,542	210,545,573	107,175,269	189,020,829	907,595,931
2023	4,961,468	19,610,539	146,973,591	121,453,884	27,783,901	87,917,771	215,085,444	109,483,872	193,073,523	926,343,993
2024	5,024,849	19,980,435	149,592,721	123,604,271	28,315,784	89,693,738	219,604,088	111,660,261	197,017,238	944,493,385
2025	5,087,133	20,328,961	152,154,235	125,635,759	28,833,575	91,366,322	223,979,823	113,757,952	200,784,301	961,928,061
2026	5,148,796	20,666,172	154,701,611	127,631,725	29,346,628	93,005,702	228,338,733	115,854,269	204,563,656	979,257,292
2027	5,211,589	21,017,148	157,373,471	129,726,535	29,880,295	94,707,206	232,936,182	118,049,789	208,532,601	997,434,816
2028	5,277,581	21,381,338	160,091,058	131,856,435	30,423,985	96,483,343	237,580,203	120,337,301	212,630,132	1,016,061,376
2029	5,342,559	21,756,467	162,889,601	134,046,358	30,976,391	98,303,893	242,371,487	122,715,264	216,833,521	1,035,235,541
2030	5,409,318	22,146,741	165,780,273	136,320,800	31,550,807	100,208,631	247,291,436	125,172,821	221,192,179	1,055,073,006
2031	5,477,712	22,540,172	168,690,523	138,590,867	32,123,831	102,109,486	252,200,656	127,590,805	225,515,359	1,074,839,411
2032	5,546,399	22,932,740	171,621,373	140,924,983	32,705,419	104,015,920	257,159,863	129,974,628	229,832,655	1,094,713,980
2033	5,617,785	23,336,897	174,614,967	143,300,730	33,295,221	105,954,857	262,185,021	132,397,884	234,235,797	1,114,939,159
2034	5,688,455	23,740,930	177,616,254	145,707,950	33,892,293	107,912,983	267,110,857	134,807,078	238,722,091	1,135,198,891
2035	5,764,790	24,148,860	180,628,321	148,136,823	34,499,700	109,898,376	272,058,990	137,243,141	243,261,261	1,155,640,262
2036	5,840,118	24,548,700	183,631,918	150,553,823	35,088,543	111,864,442	276,996,686	139,646,286	247,815,329	1,175,985,845

Table S-10 Enplanements Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
2037	5,915,578	24,943,217	186,580,865	152,917,047	35,680,651	113,819,516	281,801,036	142,044,252	252,358,883	1,196,061,045
2038	5,994,013	25,327,482	189,544,215	155,272,817	36,280,384	115,768,733	286,660,467	144,403,991	256,907,144	1,216,159,246
2039	6,069,244	25,708,578	192,466,575	157,592,058	36,853,555	117,678,039	291,483,344	146,748,274	261,410,021	1,236,009,688
2040	6,147,571	26,088,046	195,359,151	159,886,269	37,424,789	119,623,259	296,258,061	149,110,212	265,909,401	1,255,806,759

*Includes both tower and non-tower airports.

Table S-11 Based Aircraft Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
Historical										
2010	4,382	8,952	15,622	27,470	6,285	22,427	30,866	20,432	29,299	165,735
2011	4,286	8,942	14,983	26,676	6,099	21,991	29,278	20,092	28,278	160,625
2012	4,567	9,361	15,378	26,593	5,803	21,998	30,212	21,312	28,120	163,344
2013	4,698	9,714	15,698	27,262	5,985	22,507	31,173	21,537	28,390	166,964
Forecast										
2014	4,725	9,756	15,812	27,450	6,039	22,710	31,411	21,743	28,653	168,299
2015	4,753	9,806	15,911	27,627	6,092	22,940	31,646	21,935	28,920	169,630
2016	4,783	9,869	16,050	27,833	6,150	23,183	31,936	22,159	29,208	171,171
2017	4,810	9,914	16,165	28,019	6,208	23,395	32,196	22,369	29,480	172,556
2018	4,840	9,968	16,304	28,226	6,265	23,643	32,477	22,568	29,756	174,047
2019	4,870	10,015	16,427	28,423	6,325	23,855	32,735	22,768	30,041	175,459
2020	4,897	10,057	16,541	28,623	6,386	24,078	33,004	22,965	30,316	176,867
2021	4,928	10,109	16,679	28,828	6,450	24,333	33,308	23,194	30,600	178,429
2022	4,959	10,165	16,811	29,036	6,506	24,569	33,600	23,408	30,898	179,952
2023	4,990	10,232	16,948	29,248	6,575	24,822	33,906	23,636	31,222	181,579
2024	5,024	10,285	17,070	29,444	6,639	25,051	34,208	23,852	31,522	183,095
2025	5,054	10,341	17,184	29,646	6,702	25,282	34,494	24,075	31,823	184,601
2026	5,085	10,394	17,301	29,843	6,766	25,509	34,782	24,299	32,127	186,106
2027	5,117	10,449	17,424	30,043	6,830	25,740	35,075	24,526	32,434	187,638
2028	5,149	10,505	17,547	30,244	6,894	25,972	35,369	24,752	32,747	189,179
2029	5,181	10,562	17,665	30,452	6,960	26,203	35,669	24,985	33,065	190,742
2030	5,214	10,618	17,791	30,656	7,026	26,438	35,982	25,234	33,386	192,345
2031	5,247	10,674	17,919	30,862	7,091	26,676	36,290	25,483	33,708	193,950
2032	5,281	10,731	18,044	31,065	7,157	26,913	36,602	25,735	34,032	195,560
2033	5,315	10,790	18,171	31,278	7,224	27,153	36,923	25,989	34,361	197,204
2034	5,349	10,848	18,297	31,487	7,292	27,401	37,245	26,252	34,696	198,867
2035	5,385	10,908	18,428	31,698	7,360	27,656	37,579	26,527	35,041	200,582
2036	5,421	10,966	18,557	31,907	7,429	27,912	37,918	26,806	35,391	202,307

Table S-11 Based Aircraft Summary by Region*

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)	National Total
2037	5,458	11,028	18,694	32,123	7,500	28,174	38,271	27,096	35,744	204,088
2038	5,495	11,091	18,830	32,348	7,573	28,438	38,628	27,389	36,104	205,896
2039	5,532	11,157	18,965	32,570	7,650	28,708	38,996	27,691	36,468	207,737
2040	5,569	11,223	19,105	32,795	7,730	28,990	39,375	28,003	36,837	209,627

*Includes both tower and non-tower airports.

Appendix A: Description of Activity Measures

Air Carrier Enplanements

These data summarize domestic enplaned passengers (originations and connections) of U.S. commercial air carriers and international enplanements for both U.S. and foreign flag carriers submitted to the U.S. Department of Transportation (DOT), Bureau of Transportation Statistics (BTS) on T-100 reports. Estimates include both scheduled and non-scheduled enplaned passengers.

Regional Enplanements

Starting in FY 2003, FAA includes in the regional category enplanements for those airlines whose primary function is to provide passenger feed to mainline carriers, regardless of aircraft size. As of October 2002, all scheduled and non-scheduled operations using aircraft with 10 or more seats to transport regional passengers must report on T-100.

Historic enplanement data includes originating passengers on scheduled commuter or regional carriers as reported on DOT Form 41 and 298-C; where possible, adjustments were made to include connecting passengers. Historically, Form 298-C included carriers operating at least five scheduled round trips per week whose entire fleet consists of aircraft having 60 seats or less.

Aircraft Operations

FAA air traffic controllers count landings and takeoffs at FAA towered airports. Controllers employed by an FAA contractor count operations at FAA contract towers. At non-FAA facilities, operations counts represent an estimate.

Air carrier operations represent either takeoffs or landings of commercial aircraft with seating capacity of more than 60 seats.

Commuter/air taxi operations are one category. Commuter operations include takeoffs and landings by aircraft with 60 or fewer seats that transport regional passengers on scheduled commercial flights. Air taxi operations include takeoffs and landings by aircraft with 60 or fewer seats conducted on non-scheduled or for-hire flights.

Itinerant general aviation and local civil operations represent all civil aviation aircraft takeoffs and landings not classified as commercial. Military operations represent take-offs and landings by military aircraft. Operations are either itinerant or local flights.

Local Operations

Aircraft operating in the traffic pattern or within sight of the tower, or aircraft known to be departing or arriving from flight in local practice areas, or aircraft executing practice instrument approaches at the airport.

Itinerant Operations

FAA reports all aircraft operations other than local operations as itinerant. Essentially, these data represent takeoffs and landings of aircraft going from one airport to another.

Tracon Operations

These data include arrivals, departures, and overflights conducted by an FAA radar approach control facility for aircraft under Instrument Flight Rule (IFR) or Visual Flight Rule (VFR) plans.

Overflights

These data include operations of aircraft in transit through the approach control facility airspace.

Appendix B: List of FAA Towers by Hub Size and FAA Contract Towers

Table B-1 List of Large Hub Towers

Location Identifier	Region	Airport Name	City, State
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	ATLANTA, GA
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	BOSTON, MA
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	BALTIMORE, MD
CLT	ASO	CHARLOTTE/DOUGLAS INTL	CHARLOTTE, NC
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	WASHINGTON, DC
DEN	ANM	DENVER INTL	DENVER, CO
DFW	ASW	DALLAS/FORT WORTH INTL	DALLAS-FORT WORTH, TX
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	DETROIT, MI
EWR	AEA	NEWARK LIBERTY INTL	NEWARK, NJ
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	FORT LAUDERDALE, FL
HNL	AWP	HONOLULU INTL	HONOLULU, HI
IAD	AEA	WASHINGTON DULLES INTL	WASHINGTON, DC
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	HOUSTON, TX
JFK	AEA	JOHN F KENNEDY INTL	NEW YORK, NY
LAS	AWP	MC CARRAN INTL	LAS VEGAS, NV
LAX	AWP	LOS ANGELES INTL	LOS ANGELES, CA
LGA	AEA	LA GUARDIA	NEW YORK, NY
MCO	ASO	ORLANDO INTL	ORLANDO, FL
MDW	AGL	CHICAGO MIDWAY INTL	CHICAGO, IL
MIA	ASO	MIAMI INTL	MIAMI, FL
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	MINNEAPOLIS, MN
ORD	AGL	CHICAGO O'HARE INTL	CHICAGO, IL
PDX	ANM	PORTLAND INTL	PORTLAND, OR
PHL	AEA	PHILADELPHIA INTL	PHILADELPHIA, PA
PHX	AWP	PHOENIX SKY HARBOR INTL	PHOENIX, AZ
SAN	AWP	SAN DIEGO INTL	SAN DIEGO, CA
SEA	ANM	SEATTLE-TACOMA INTL	SEATTLE, WA
SFO	AWP	SAN FRANCISCO INTL	SAN FRANCISCO, CA
SLC	ANM	SALT LAKE CITY INTL	SALT LAKE CITY, UT
TPA	ASO	TAMPA INTL	TAMPA, FL

Listed 30 Airports.

Table B-2 List of Medium Hub Towers

Location Identifier	Region	Airport Name	City, State
ABQ	ASW	ALBUQUERQUE INTL SUNPORT	ALBUQUERQUE, NM
ANC	AAL	TED STEVENS ANCHORAGE INTL	ANCHORAGE, AK
AUS	ASW	AUSTIN-BERGSTROM INTL	AUSTIN, TX
BDL	ANE	BRADLEY INTL	WINDSOR LOCKS, CT
BNA	ASO	NASHVILLE INTL	NASHVILLE, TN
BUF	AEA	BUFFALO NIAGARA INTL	BUFFALO, NY
BUR	AWP	BOB HOPE	BURBANK, CA
CLE	AGL	CLEVELAND-HOPKINS INTL	CLEVELAND, OH
CMH	AGL	PORT COLUMBUS INTL	COLUMBUS, OH
CVG	ASO	CINCINNATI/NORTHERN KENTUCKY INTL	COVINGTON , KY
DAL	ASW	DALLAS LOVE FIELD	DALLAS, TX
HOU	ASW	WILLIAM P HOBBY	HOUSTON, TX
IND	AGL	INDIANAPOLIS INTL	INDIANAPOLIS, IN
JAX	ASO	JACKSONVILLE INTL	JACKSONVILLE, FL
MCI	ACE	KANSAS CITY INTL	KANSAS CITY, MO
MEM	ASO	MEMPHIS INTL	MEMPHIS, TN
MKE	AGL	GENERAL MITCHELL INTL	MILWAUKEE, WI
MSY	ASW	LOUIS ARMSTRONG NEW ORLEANS INTL	NEW ORLEANS, LA
OAK	AWP	METROPOLITAN OAKLAND INTL	OAKLAND, CA
OGG	AWP	KAHULUI	KAHULUI, HI
OMA	ACE	EPPLEY AIRFIELD	OMAHA, NE
ONT	AWP	ONTARIO INTL	ONTARIO, CA
PBI	ASO	PALM BEACH INTL	WEST PALM BEACH, FL
PIT	AEA	PITTSBURGH INTL	PITTSBURGH, PA
PVD	ANE	THEODORE FRANCIS GREEN STATE	PROVIDENCE, RI
RDU	ASO	RALEIGH-DURHAM INTL	RALEIGH/DURHAM, NC
RSW	ASO	SOUTHWEST FLORIDA INTL	FORT MYERS, FL
SAT	ASW	SAN ANTONIO INTL	SAN ANTONIO, TX
SJC	AWP	NORMAN Y. MINETA SAN JOSE INTL	SAN JOSE, CA
SJU	ASO	LUIS MUNOZ MARIN INTL	SAN JUAN, PR
SMF	AWP	SACRAMENTO INTL	SACRAMENTO, CA
SNA	AWP	JOHN WAYNE AIRPORT-ORANGE COUNTY	SANTA ANA, CA
STL	ACE	LAMBERT-ST LOUIS INTL	ST LOUIS, MO

Listed 33 Airports.

Table B-3 List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
ACY	AEA	ATLANTIC CITY INTL	ATLANTIC CITY, NJ
ALB	AEA	ALBANY INTL	ALBANY, NY
AMA	ASW	RICK HUSBAND AMARILLO INTL	AMARILLO, TX
BHM	ASO	BIRMINGHAM-SHUTTLESWORTH INTL	BIRMINGHAM, AL
BIL	ANM	BILLINGS LOGAN INTL	BILLINGS, MT
BLI	ANM	BELLINGHAM INTL	BELLINGHAM, WA
BOI	ANM	BOISE AIR TERMINAL/GOWEN FLD	BOISE, ID
BTR	ASW	BATON ROUGE METROPOLITAN, RYAN FIELD	BATON ROUGE, LA
BTV	ANE	BURLINGTON INTL	BURLINGTON, VT
BZN	ANM	BOZEMAN YELLOWSTONE INTL	BOZEMAN, MT
CAE	ASO	COLUMBIA METROPOLITAN	COLUMBIA, SC
CAK	AGL	AKRON-CANTON RGNL	AKRON, OH
CHS	ASO	CHARLESTON AFB/INTL	CHARLESTON, SC
CID	ACE	THE EASTERN IOWA	CEDAR RAPIDS, IA
COS	ANM	CITY OF COLORADO SPRINGS MUNI	COLORADO SPRINGS, CO
DAY	AGL	JAMES M COX DAYTON INTL	DAYTON, OH
DSM	ACE	DES MOINES INTL	DES MOINES, IA
ECP	ASO	NORTHWEST FLORIDA BEACHES INTL	PANAMA CITY, FL
ELP	ASW	EL PASO INTL	EL PASO, TX
EUG	ANM	MAHLON SWEET FIELD	EUGENE, OR
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FAI	AAL	FAIRBANKS INTL	FAIRBANKS, AK
FAR	AGL	HECTOR INTL	FARGO, ND
FAT	AWP	FRESNO YOSEMITE INTL	FRESNO, CA
FNT	AGL	BISHOP INTL	FLINT, MI
FSD	AGL	JOE FOSS FIELD	SIOUX FALLS, SD
GEG	ANM	SPOKANE INTL	SPOKANE, WA
GPT	ASO	GULFPORT-BILOXI INTL	GULFPORT, MS
GRR	AGL	GERALD R. FORD INTL	GRAND RAPIDS, MI
GSN	AWP	FRANCISCO C. ADA/SAIPAN INTL	SAIPAN ISLAND, MP
GSO	ASO	PIEDMONT TRIAD INTL	GREENSBORO, NC
GSP	ASO	GREENVILLE SPARTANBURG INTL	GREER, SC
GUM	AWP	GUAM INTL	AGANA, GU
HPN	AEA	WESTCHESTER COUNTY	WHITE PLAINS, NY
HSV	ASO	HUNTSVILLE INTL-CARL T JONES FIELD	HUNTSVILLE, AL
ICT	ACE	WICHITA MID-CONTINENT	WICHITA, KS
ILM	ASO	WILMINGTON INTL	WILMINGTON, NC
ISP	AEA	LONG ISLAND MAC ARTHUR	NEW YORK, NY
ITO	AWP	HILO INTL	HILO, HI
IWA	AWP	PHOENIX-MESA GATEWAY	PHOENIX, AZ
JAN	ASO	JACKSON-MEDGAR WILEY EVERS INTL	JACKSON, MS
KOA	AWP	KONA INTL AT KEAHOLE	KAILUA/KONA, HI
LBB	ASW	LUBBOCK PRESTON SMITH INTL	LUBBOCK, TX
LEX	ASO	BLUE GRASS	LEXINGTON, KY
LGB	AWP	LONG BEACH /DAUGHERTY FIELD/	LONG BEACH, CA

Table B-3 List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
LIH	AWP	LIHUE	LIHUE, HI
LIT	ASW	BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD	LITTLE ROCK, AR
MAF	ASW	MIDLAND INTL	MIDLAND, TX
MDT	AEA	HARRISBURG INTL	HARRISBURG, PA
MHT	ANE	MANCHESTER	MANCHESTER, NH
MLI	AGL	QUAD CITY INTL	MOLINE, IL
MSN	AGL	DANE COUNTY RGNL-TRUAX FIELD	MADISON, WI
MYR	ASO	MYRTLE BEACH INTL	MYRTLE BEACH, SC
OKC	ASW	WILL ROGERS WORLD	OKLAHOMA CITY, OK
ORF	AEA	NORFOLK INTL	NORFOLK, VA
PIE	ASO	ST PETE-CLEARWATER INTL	ST PETERSBURG-CLEARWATER, FL
PNS	ASO	PENSACOLA INTL	PENSACOLA, FL
PSP	AWP	PALM SPRINGS INTL	PALM SPRINGS, CA
PWM	ANE	PORTLAND INTL JETPORT	PORTLAND, ME
RIC	AEA	RICHMOND INTL	RICHMOND, VA
RNO	AWP	RENO/TAHOE INTL	RENO, NV
ROC	AEA	GREATER ROCHESTER INTL	ROCHESTER, NY
SAV	ASO	SAVANNAH/HILTON HEAD INTL	SAVANNAH, GA
SBA	AWP	SANTA BARBARA MUNI	SANTA BARBARA, CA
SDF	ASO	LOUISVILLE INTL-STANDIFORD FIELD	LOUISVILLE, KY
SFB	ASO	ORLANDO SANFORD INTL	ORLANDO, FL
SGF	ACE	SPRINGFIELD-BRANSON NATIONAL	SPRINGFIELD, MO
SRQ	ASO	SARASOTA/BRADENTON INTL	SARASOTA/BRADENTON , FL
STT	ASO	CYRIL E KING	CHARLOTTE AMALIE, VI
SYR	AEA	SYRACUSE HANCOCK INTL	SYRACUSE, NY
TUL	ASW	TULSA INTL	TULSA, OK
TUS	AWP	TUCSON INTL	TUCSON, AZ
TYS	ASO	MC GHEE TYSON	KNOXVILLE, TN
XNA	ASW	NORTHWEST ARKANSAS RGNL	FAYETTEVILLE/SPRINGDALE, AR

Listed 74 Airports.

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
ABE	AEA	LEHIGH VALLEY INTL	ALLENTOWN, PA
ABI	ASW	ABILENE RGNL	ABILENE, TX
ABY	ASO	SOUTHWEST GEORGIA RGNL	ALBANY, GA
ACK	ANE	NANTUCKET MEMORIAL	NANTUCKET, MA
ACT	ASW	WACO RGNL	WACO, TX
ADM	ASW	ARDMORE MUNI	ARDMORE, OK
ADQ	AAL	KODIAK	KODIAK, AK
ADS	ASW	ADDISON	DALLAS, TX
ADW	AEA	JOINT BASE ANDREWS	CAMP SPRINGS, MD
AEG	ASW	DOUBLE EAGLE II	ALBUQUERQUE, NM
AEX	ASW	ALEXANDRIA INTL	ALEXANDRIA, LA
AFW	ASW	FORT WORTH ALLIANCE	FORT WORTH, TX
AGC	AEA	ALLEGHENY COUNTY	PITTSBURGH, PA
AGS	ASO	AUGUSTA RGNL AT BUSH FIELD	AUGUSTA, GA
AHN	ASO	ATHENS/BEN EPPS	ATHENS, GA
AKN	AAL	KING SALMON	KING SALMON, AK
ALN	AGL	ST LOUIS RGNL	ALTON/ST LOUIS, IL
ALO	ACE	WATERLOO RGNL	WATERLOO, IA
ALW	ANM	WALLA WALLA RGNL	WALLA WALLA, WA
ANE	AGL	ANOKA COUNTY-BLAINE ARPT(JANES FIELD)	MINNEAPOLIS, MN
APA	ANM	CENTENNIAL	DENVER, CO
APC	AWP	NAPA COUNTY	NAPA, CA
APF	ASO	NAPLES MUNI	NAPLES, FL
ARA	ASW	ACADIANA RGNL	NEW IBERIA, LA
ARB	AGL	ANN ARBOR MUNI	ANN ARBOR, MI
ARR	AGL	AURORA MUNI	CHICAGO/AURORA, IL
ASE	ANM	ASPEN-PITKIN CO/SARDY FIELD	ASPEN, CO
ASG	ASW	SPRINGDALE MUNI	SPRINGDALE, AR
ASH	ANE	BOIRE FIELD	NASHUA, NH
ATW	AGL	OUTAGAMIE COUNTY RGNL	APPLETON, WI
AVL	ASO	ASHEVILLE RGNL	ASHEVILLE, NC
AVP	AEA	WILKES-BARRE/SCRANTON INTL	WILKES-BARRE/SCRANTON, PA
AZO	AGL	KALAMAZOO/BATTLE CREEK INTL	KALAMAZOO, MI
BAF	ANE	WESTFIELD-BARNES RGNL	WESTFIELD/SPRINGFIELD, MA
BAK	AGL	COLUMBUS MUNI	COLUMBUS, IN
BAZ	ASW	NEW BRAUNFELS RGNL	NEW BRAUNFELS, TX
BBG	ACE	BRANSON	BRANSON, MO
BCT	ASO	BOCA RATON	BOCA RATON, FL
BDR	ANE	IGOR I SIKORSKY MEMORIAL	BRIDGEPORT, CT
BED	ANE	LAURENCE G HANSCOM FLD	BEDFORD, MA
BET	AAL	BETHEL	BETHEL, AK
BFI	ANM	BOEING FIELD/KING COUNTY INTL	SEATTLE, WA
BFL	AWP	MEADOWS FIELD	BAKERSFIELD, CA
BFM	ASO	MOBILE DOWNTOWN	MOBILE, AL
BGM	AEA	GREATER BINGHAMTON/EDWIN A LINK FIELD	BINGHAMTON, NY

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
BGR	ANE	BANGOR INTL	BANGOR, ME
BIS	AGL	BISMARCK MUNI	BISMARCK, ND
BJC	ANM	ROCKY MOUNTAIN METROPOLITAN	DENVER, CO
BKL	AGL	BURKE LAKEFRONT	CLEVELAND, OH
BKV	ASO	HERNANDO COUNTY	BROOKSVILLE, FL
BMG	AGL	MONROE COUNTY	BLOOMINGTON, IN
BMI	AGL	CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL	BLOOMINGTON/NORMAL, IL
BPT	ASW	JACK BROOKS RGNL	BEAUMONT/PORT ARTHUR, TX
BQN	ASO	RAFAEL HERNANDEZ	AGUADILLA, PR
BRO	ASW	BROWNSVILLE/SOUTH PADRE ISLAND INTL	BROWNSVILLE, TX
BTL	AGL	W K KELLOGG	BATTLE CREEK, MI
BVY	ANE	BEVERLY MUNI	BEVERLY, MA
CCR	AWP	BUCHANAN FIELD	CONCORD, CA
CDW	AEA	ESSEX COUNTY	CALDWELL, NJ
CGF	AGL	CUYAHOGA COUNTY	CLEVELAND, OH
CHA	ASO	LOVELL FIELD	CHATTANOOGA, TN
CHD	AWP	CHANDLER MUNI	CHANDLER, AZ
CHO	AEA	CHARLOTTESVILLE-ALBEMARLE	CHARLOTTESVILLE, VA
CIC	AWP	CHICO MUNI	CHICO, CA
CKB	AEA	NORTH CENTRAL WEST VIRGINIA	CLARKSBURG, WV
CLL	ASW	EASTERWOOD FIELD	COLLEGE STATION, TX
CMA	AWP	CAMARILLO	CAMARILLO, CA
CMI	AGL	UNIVERSITY OF ILLINOIS-WILLARD	CHAMPAIGN/URBANA , IL
CNO	AWP	CHINO	CHINO, CA
CNW	ASW	TSTC WACO	WACO, TX
COU	ACE	COLUMBIA RGNL	COLUMBIA, MO
CPR	ANM	CASPER/NATRONA COUNTY INTL	CASPER, WY
CPS	AGL	ST LOUIS DOWNTOWN	CAHOKIA/ST LOUIS, IL
CRE	ASO	GRAND STRAND	NORTH MYRTLE BEACH, SC
CRG	ASO	JACKSONVILLE EXECUTIVE AT CRAIG	JACKSONVILLE, FL
CRP	ASW	CORPUS CHRISTI INTL	CORPUS CHRISTI, TX
CRQ	AWP	MC CLELLAN-PALOMAR	CARLSBAD, CA
CRW	AEA	YEAGER	CHARLESTON, WV
CSG	ASO	COLUMBUS	COLUMBUS, GA
CWA	AGL	CENTRAL WISCONSIN	MOSINEE, WI
CWF	ASW	CHENNAULT INTL	LAKE CHARLES, LA
CXO	ASW	LONE STAR EXECUTIVE	HOUSTON , TX
CXY	AEA	CAPITAL CITY	HARRISBURG, PA
CYS	ANM	CHEYENNE RGNL/JERRY OLSON FIELD	CHEYENNE, WY
DAB	ASO	DAYTONA BEACH INTL	DAYTONA BEACH, FL
DBQ	ACE	DUBUQUE RGNL	DUBUQUE, IA
DEC	AGL	DECATUR	DECATUR, IL
DET	AGL	COLEMAN A. YOUNG MUNI	DETROIT, MI
DHN	ASO	DOTHAN RGNL	DOTHAN, AL
DLH	AGL	DULUTH INTL	DULUTH, MN
DPA	AGL	DUPAGE	CHICAGO/WEST CHICAGO , IL

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
DTN	ASW	SHREVEPORT DOWNTOWN	SHREVEPORT, LA
DTO	ASW	DENTON MUNI	DENTON, TX
DVT	AWP	PHOENIX DEER VALLEY	PHOENIX, AZ
DWH	ASW	DAVID WAYNE HOOKS MEMORIAL	HOUSTON, TX
DXR	ANE	DANBURY MUNI	DANBURY, CT
EAU	AGL	CHIPPEWA VALLEY RGNL	EAU CLAIRE, WI
EGE	ANM	EAGLE COUNTY RGNL	EAGLE, CO
ELM	AEA	ELMIRA/CORNING RGNL	ELMIRA/CORNING, NY
EMT	AWP	EL MONTE	EL MONTE, CA
ENA	AAL	KENAI MUNI	KENAI, AK
ENW	AGL	KENOSHA RGNL	KENOSHA, WI
ERI	AEA	ERIE INTL/TOM RIDGE FIELD	ERIE, PA
ESN	AEA	EASTON/NEWNAM FIELD	EASTON, MD
EVB	ASO	NEW SMYRNA BEACH MUNI	NEW SMYRNA BEACH, FL
EVV	AGL	EVANSVILLE RGNL	EVANSVILLE, IN
EWB	ANE	NEW BEDFORD RGNL	NEW BEDFORD, MA
EWN	ASO	COASTAL CAROLINA REGIONAL	NEW BERN, NC
FAY	ASO	FAYETTEVILLE RGNL/GRANNIS FIELD	FAYETTEVILLE, NC
FCM	AGL	FLYING CLOUD	MINNEAPOLIS, MN
FDK	AEA	FREDERICK MUNI	FREDERICK, MD
FFZ	AWP	FALCON FLD	MESA, AZ
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FLO	ASO	FLORENCE RGNL	FLORENCE, SC
FMN	ASW	FOUR CORNERS RGNL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FOE	ACE	FORBES FIELD	TOPEKA, KS
FOK	AEA	FRANCIS S GABRESKI	WESTHAMPTON BEACH, NY
FPR	ASO	ST LUCIE COUNTY INTL	FORT PIERCE, FL
FRG	AEA	REPUBLIC	FARMINGDALE, NY
FSM	ASW	FORT SMITH RGNL	FORT SMITH, AR
FTG	ANM	FRONT RANGE	DENVER, CO
FTW	ASW	FORT WORTH MEACHAM INTL	FORT WORTH, TX
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FWA	AGL	FORT WAYNE INTL	FORT WAYNE, IN
FWS	ASW	FORT WORTH SPINKS	FORT WORTH, TX
FXE	ASO	FORT LAUDERDALE EXECUTIVE	FORT LAUDERDALE, FL
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GCK	ACE	GARDEN CITY RGNL	GARDEN CITY, KS
GCN	AWP	GRAND CANYON NATIONAL PARK	GRAND CANYON, AZ
GEU	AWP	GLENDALE MUNI	GLENDALE, AZ
GFK	AGL	GRAND FORKS INTL	GRAND FORKS, ND
GGG	ASW	EAST TEXAS RGNL	LONGVIEW, TX
GJT	ANM	GRAND JUNCTION REGIONAL	GRAND JUNCTION, CO
GKY	ASW	ARLINGTON MUNI	ARLINGTON, TX
GLH	ASO	GREENVILLE MID-DELTA	GREENVILLE, MS

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
GLS	ASW	SCHOLES INTL AT GALVESTON	GALVESTON, TX
GMU	ASO	GREENVILLE DOWNTOWN	GREENVILLE, SC
GNV	ASO	GAINESVILLE RGNL	GAINESVILLE, FL
GON	ANE	GROTON-NEW LONDON	GROTON (NEW LONDON) , CT
GPI	ANM	GLACIER PARK INTL	KALISPELL , MT
GPM	ASW	GRAND PRAIRIE MUNI	GRAND PRAIRIE, TX
GRB	AGL	AUSTIN STRAUBEL INTL	GREEN BAY, WI
GRI	ACE	CENTRAL NEBRASKA RGNL	GRAND ISLAND, NE
GTF	ANM	GREAT FALLS INTL	GREAT FALLS, MT
GTR	ASO	GOLDEN TRIANGLE RGNL	COLUMBUS/W POINT/STARKVILLE, MS
GTU	ASW	GEORGETOWN MUNI	GEORETOWN, TX
GYH	ASO	DONALDSON CENTER	GREENVILLE, SC
GYR	AWP	PHOENIX GOODYEAR	GOODYEAR, AZ
GYY	AGL	GARY/CHICAGO INTL	GARY, IN
HEF	AEA	MANASSAS RGNL/HARRY P. DAVIS FIELD	WASHINGTON, DC
HFD	ANE	HARTFORD-BRAINARD	HARTFORD, CT
HGR	AEA	HAGERSTOWN RGNL-RICHARD A HENSON FLD	HAGERSTOWN, MD
HHR	AWP	JACK NORTHROP FIELD/HAWTHORNE MUNI	HAWTHORNE, CA
HIO	ANM	PORTLAND-HILLSBORO	PORTLAND, OR
HKS	ASO	HAWKINS FIELD	JACKSON, MS
HKY	ASO	HICKORY RGNL	HICKORY, NC
HLG	AEA	WHEELING OHIO CO	WHEELING, WV
HLN	ANM	HELENA RGNL	HELENA, MT
HND	AWP	HENDERSON EXECUTIVE	LAS VEGAS, NV
HOB	ASW	LEA COUNTY RGNL	HOBBS, NM
HQZ	ASW	MESQUITE METRO	MESQUITE, TX
HRL	ASW	VALLEY INTL	HARLINGEN, TX
HSA	ASO	STENNIS INTL	BAY ST LOUIS, MS
HTS	AEA	TRI-STATE/MILTON J. FERGUSON FIELD	HUNTINGTON, WV
HUF	AGL	TERRE HAUTE INTL-HULMAN FIELD	TERRE HAUTE, IN
HUM	ASW	HOUMA-TERREBONNE	HOUMA, LA
HUT	ACE	HUTCHINSON MUNI	HUTCHINSON, KS
HVN	ANE	TWEED-NEW HAVEN	NEW HAVEN, CT
HWD	AWP	HAYWARD EXECUTIVE	HAYWARD, CA
HWO	ASO	NORTH PERRY	HOLLYWOOD, FL
HXD	ASO	HILTON HEAD	HILTON HEAD ISLAND, SC
HYA	ANE	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYANNIS, MA
HYI	ASW	SAN MARCOS MUNI	SAN MARCOS, TX
IAG	AEA	NIAGARA FALLS INTL	NIAGARA FALLS, NY
IDA	ANM	IDAHO FALLS RGNL	IDAHO FALLS, ID
IFP	AWP	LAUGHLIN/BULLHEAD INTL	BULLHEAD CITY, AZ
ILG	AEA	NEW CASTLE	WILMINGTON, DE
INT	ASO	SMITH REYNOLDS	WINSTON SALEM, NC
IPT	AEA	WILLIAMSPORT RGNL	WILLIAMSPORT, PA
ISM	ASO	KISSIMMEE GATEWAY	ORLANDO, FL
ISO	ASO	KINSTON RGNL JETPORT AT STALLINGS FLD	KINSTON, NC

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
ITH	AEA	ITHACA TOMPKINS RGNL	ITHACA, NY
IXD	ACE	NEW CENTURY AIRCENTER	OLATHE, KS
JAC	ANM	JACKSON HOLE	JACKSON, WY
JEF	ACE	JEFFERSON CITY MEMORIAL	JEFFERSON CITY, MO
JLN	ACE	JOPLIN RGNL	JOPLIN, MO
JNU	AAL	JUNEAU INTL	JUNEAU, AK
JQF	ASO	CONCORD RGNL	CONCORD, NC
JRF	AWP	KALAELOA (JOHN RODGERS FIELD)	KAPOLEI, HI
JVL	AGL	SOUTHERN WISCONSIN RGNL	JANESVILLE, WI
JXN	AGL	JACKSON COUNTY-REYNOLDS FIELD	JACKSON, MI
LAF	AGL	PURDUE UNIVERSITY	LAFAYETTE, IN
LAL	ASO	LAKELAND LINDER RGNL	LAKELAND, FL
LAN	AGL	CAPITAL REGION INTL	LANSING, MI
LAW	ASW	LAWTON-FORT SILL RGNL	LAWTON, OK
LBE	AEA	ARNOLD PALMER RGNL	LATROBE, PA
LCH	ASW	LAKE CHARLES RGNL	LAKE CHARLES, LA
LEB	ANE	LEBANON MUNI	LEBANON, NH
LEE	ASO	LEESBURG INTL	LEESBURG, FL
LFT	ASW	LAFAYETTE RGNL	LAFAYETTE, LA
LMT	ANM	CRATER LAKE-KLAMATH RGNL	KLAMATH FALLS, OR
LNK	ACE	LINCOLN	LINCOLN, NE
LNS	AEA	LANCASTER	LANCASTER, PA
LOU	ASO	BOWMAN FIELD	LOUISVILLE, KY
LRD	ASW	LAREDO INTL	LAREDO, TX
LSE	AGL	LA CROSSE MUNI	LA CROSSE, WI
LUK	AGL	CINCINNATI MUNI AIRPORT LUNKEN FIELD	CINCINNATI, OH
LVK	AWP	LIVERMORE MUNI	LIVERMORE, CA
LWB	AEA	GREENBRIER VALLEY	LEWISBURG, WV
LWM	ANE	LAWRENCE MUNI	LAWRENCE, MA
LWS	ANM	LEWISTON-NEZ PERCE COUNTY	LEWISTON, ID
LYH	AEA	LYNCHBURG RGNL/PRESTON GLENN FLD	LYNCHBURG, VA
LZU	ASO	GWINNETT COUNTY - BRISCOE FIELD	LAWRENCEVILLE, GA
MBS	AGL	MBS INTL	SAGINAW, MI
MCN	ASO	MIDDLE GEORGIA RGNL	MACON, GA
MDH	AGL	SOUTHERN ILLINOIS	CARBONDALE/MURPHYSBORO, IL
MEI	ASO	KEY FIELD	MERIDIAN, MS
MER	AWP	CASTLE	ATWATER, CA
MFD	AGL	MANSFIELD LAHM RGNL	MANSFIELD, OH
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
MFR	ANM	ROGUE VALLEY INTL - MEDFORD	MEDFORD, OR
MGM	ASO	MONTGOMERY RGNL (DANNELLY FIELD)	MONTGOMERY, AL
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MHK	ACE	MANHATTAN RGNL	MANHATTAN, KS
MHR	AWP	SACRAMENTO MATHER	SACRAMENTO, CA
MIC	AGL	CRYSTAL	MINNEAPOLIS, MN
MIE	AGL	DELAWARE COUNTY RGNL	MUNCIE, IN

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
MKC	ACE	CHARLES B. WHEELER DOWNTOWN	KANSAS CITY, MO
MKG	AGL	MUSKEGON COUNTY	MUSKEGON, MI
MKK	AWP	MOLOKAI	KAUNAKAKAI, HI
MKL	ASO	MC KELLAR-SIPES RGNL	JACKSON, TN
MLB	ASO	MELBOURNE INTL	MELBOURNE, FL
MLU	ASW	MONROE RGNL	MONROE, LA
MMU	AEA	MORRISTOWN MUNI	MORRISTOWN, NJ
MOB	ASO	MOBILE RGNL	MOBILE, AL
MOD	AWP	MODESTO CITY-CO-HARRY SHAM FLD	MODESTO, CA
MOT	AGL	MINOT INTL	MINOT, ND
MQY	ASO	SMYRNA	SMYRNA, TN
MRI	AAL	MERRILL FIELD	ANCHORAGE, AK
MRY	AWP	MONTEREY RGNL	MONTEREY, CA
MSO	ANM	MISSOULA INTL	MISSOULA, MT
MTN	AEA	MARTIN STATE	BALTIMORE, MD
MVY	ANE	MARTHAS VINEYARD	VINEYARD HAVEN, MA
MWA	AGL	WILLIAMSON COUNTY RGNL	MARION, IL
MWC	AGL	LAWRENCE J TIMMERMAN	MILWAUKEE, WI
MWH	ANM	GRANT CO INTL	MOSES LAKE, WA
MYF	AWP	MONTGOMERY FIELD	SAN DIEGO, CA
NEW	ASW	LAKEFRONT	NEW ORLEANS, LA
NQA	ASO	MILLINGTON RGNL JETPORT	MILLINGTON, TN
OCF	ASO	OCALA INTL-JIM TAYLOR FIELD	OCALA, FL
OGD	ANM	OGDEN-HINCKLEY	OGDEN, UT
OJC	ACE	JOHNSON COUNTY EXECUTIVE	OLATHE, KS
OLM	ANM	OLYMPIA RGNL	OLYMPIA, WA
OLV	ASO	OLIVE BRANCH	OLIVE BRANCH, MS
OMN	ASO	ORMOND BEACH MUNI	ORMOND BEACH, FL
OPF	ASO	OPA-LOCKA EXECUTIVE	MIAMI, FL
ORH	ANE	WORCESTER RGNL	WORCESTER, MA
ORL	ASO	EXECUTIVE	ORLANDO, FL
OSH	AGL	WITTMAN RGNL	OSHKOSH, WI
OSU	AGL	OHIO STATE UNIVERSITY	COLUMBUS, OH
OTH	ANM	SOUTHWEST OREGON RGNL	NORTH BEND, OR
OUN	ASW	UNIVERSITY OF OKLAHOMA WESTHEIMER	NORMAN, OK
OWB	ASO	OWENSBORO-DAVIESS COUNTY	OWENSBORO, KY
OWD	ANE	NORWOOD MEMORIAL	NORWOOD, MA
OXC	ANE	WATERBURY-OXFORD	OXFORD, CT
OXR	AWP	OXNARD	OXNARD, CA
PAE	ANM	SNOHOMISH COUNTY (PAINE FLD)	EVERETT, WA
PAH	ASO	BARKLEY RGNL	PADUCAH, KY
PAO	AWP	PALO ALTO ARPT OF SANTA CLARA CO	PALO ALTO, CA
PDK	ASO	DEKALB-PEACHTREE	ATLANTA, GA
PDT	ANM	EASTERN OREGON RGNL AT PENDLETON	PENDLETON, OR
PGD	ASO	PUNTA GORDA	PUNTA GORDA, FL
PHF	AEA	NEWPORT NEWS/WILLIAMSBURG INTL	NEWPORT NEWS, VA

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
PIA	AGL	GENERAL DOWNING - PEORIA INTL	PEORIA, IL
PIH	ANM	POCATELLO RGNL	POCATELLO, ID
PKB	AEA	MID-OHIO VALLEY RGNL	PARKERSBURG, WV
PMD	AWP	PALMDALE USAF PLANT 42	PALMDALE, CA
PMP	ASO	POMPANO BEACH AIRPARK	POMPANO BEACH, FL
PNE	AEA	NORTHEAST PHILADELPHIA	PHILADELPHIA, PA
POC	AWP	BRACKETT FIELD	LA VERNE, CA
POU	AEA	DUTCHESS COUNTY	POUGHKEEPSIE, NY
PRC	AWP	ERNEST A. LOVE FIELD	PRESCOTT, AZ
PSC	ANM	TRI-CITIES	PASCO, WA
PTK	AGL	OAKLAND COUNTY INTL	PONTIAC, MI
PUB	ANM	PUEBLO MEMORIAL	PUEBLO, CO
PVU	ANM	PROVO MUNI	PROVO, UT
PWA	ASW	WILEY POST	OKLAHOMA CITY, OK
PWK	AGL	CHICAGO EXECUTIVE	CHICAGO/PROSPECT HEIGHTS/WHEELING, IL
RAL	AWP	RIVERSIDE, CA	RIVERSIDE, CA
RAP	AGL	RAPID CITY RGNL	RAPID CITY, SD
RBD	ASW	DALLAS EXECUTIVE	DALLAS, TX
RDD	AWP	REDDING MUNI	REDDING, CA
RDG	AEA	READING RGNL/CARL A SPAATZ FIELD	READING, PA
RDM	ANM	ROBERTS FIELD	REDMOND, OR
RFD	AGL	CHICAGO/ROCKFORD INTL	CHICAGO/ROCKFORD, IL
RHV	AWP	REID-HILLVIEW OF SANTA CLARA COUNTY	SAN JOSE, CA
RME	AEA	GRIFFISS INTL	ROME, NY
RNM	AWP	RAMONA	RAMONA, CA
RNT	ANM	RENTON MUNI	RENTON, WA
ROA	AEA	ROANOKE RGNL/WOODRUM FIELD	ROANOKE, VA
ROG	ASW	ROGERS MUNI-CARTER FIEL	ROGERS, AR
ROW	ASW	ROSWELL INTL AIR CENTER	ROSWELL, NM
RST	AGL	ROCHESTER INTL	ROCHESTER, MN
RVS	ASW	RICHARD LLOYD JONES JR	TULSA, OK
RYN	AWP	RYAN FIELD	TUCSON, AZ
RYY	ASO	COBB COUNTY-MC COLLUM FIELD	ATLANTA, GA
SAC	AWP	SACRAMENTO EXECUTIVE	SACRAMENTO, CA
SAF	ASW	SANTA FE MUNI	SANTA FE, NM
SAW	AGL	SAWYER INTL	MARQUETTE, MI
SBN	AGL	SOUTH BEND	SOUTH BEND, IN
SBP	AWP	SAN LUIS COUNTY RGNL	SAN LUIS OBISPO, CA
SBY	AEA	SALISBURY-OCEAN CITY WICOMICO RGNL	SALISBURY, MD
SCK	AWP	STOCKTON METROPOLITAN	STOCKTON, CA
SDL	AWP	SCOTTSDALE	SCOTTSDALE, AZ
SDM	AWP	BROWN FIELD MUNI	SAN DIEGO, CA
SEE	AWP	GILLESPIE FIELD	SAN DIEGO/EL CAJON, CA
SFF	ANM	FELTS FIELD	SPOKANE, WA
SGJ	ASO	NORTHEAST FLORIDA RGNL	ST AUGUSTINE, FL

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
SGR	ASW	SUGAR LAND RGNL	HOUSTON, TX
SHV	ASW	SHREVEPORT RGNL	SHREVEPORT, LA
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SJT	ASW	SAN ANGELO RGNL/MATHIS FIELD	SAN ANGELO, TX
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA RGNL	SALINA, KS
SMO	AWP	SANTA MONICA MUNI	SANTA MONICA, CA
SMX	AWP	SANTA MARIA PUB/CAPT G ALLAN HANCOCK FLD	SANTA MARIA, CA
SNS	AWP	SALINAS MUNI	SALINAS, CA
SPG	ASO	ALBERT WHITTED	ST PETERSBURG, FL
SPI	AGL	ABRAHAM LINCOLN CAPITAL	SPRINGFIELD, IL
SQL	AWP	SAN CARLOS	SAN CARLOS, CA
SSF	ASW	STINSON MUNI	SAN ANTONIO, TX
STC	AGL	ST CLOUD RGNL	ST CLOUD, MN
STJ	ACE	ROSECRANS MEMORIAL	ST JOSEPH, MO
STP	AGL	ST PAUL DOWNTOWN HOLMAN FLD	ST PAUL, MN
STS	AWP	CHARLES M. SCHULZ - SONOMA COUNTY	SANTA ROSA, CA
STX	ASO	HENRY E ROHLSEN	CHRISTIANSTED, VI
SUA	ASO	WITHAM FIELD	STUART, FL
SUN	ANM	FRIEDMAN MEMORIAL	HAILEY, ID
SUS	ACE	SPIRIT OF ST LOUIS	ST LOUIS, MO
SUX	ACE	SIOUX GATEWAY/COL. BUD DAY FIELD	SIOUX CITY, IA
SWF	AEA	STEWART INTL	NEWBURGH, NY
SWO	ASW	STILLWATER RGNL	STILLWATER, OK
TCL	ASO	TUSCALOOSA RGNL	TUSCALOOSA, AL
TEB	AEA	TETERBORO	TETERBORO, NJ
TIW	ANM	TACOMA NARROWS	TACOMA, WA
TIX	ASO	SPACE COAST RGNL	TITUSVILLE, FL
TKI	ASW	COLLIN COUNTY RGNL AT MC KINNEY	DALLAS, TX
TLH	ASO	TALLAHASSEE RGNL	TALLAHASSEE, FL
TMB	ASO	KENDALL-TAMIAMI EXECUTIVE	MIAMI, FL
TOA	AWP	ZAMPERINI FIELD	TORRANCE, CA
TOL	AGL	TOLEDO EXPRESS	TOLEDO, OH
TOP	ACE	PHILIP BILLARD MUNI	TOPEKA, KS
TRI	ASO	TRI-CITIES RGNL TN/VA	BRISTOL/JOHNSON/KINGSPORT, TN
TTD	ANM	PORTLAND-TROUTDALE	PORTLAND, OR
TTN	AEA	TRENTON MERCER	TRENTON, NJ
TUP	ASO	TUPELO RGNL	TUPELO, MS
TVC	AGL	CHERRY CAPITAL	TRAVERSE CITY, MI
TWF	ANM	JOSLIN FIELD - MAGIC VALLEY RGNL	TWIN FALLS, ID
TXK	ASW	TEXARKANA RGNL-WEBB FIELD	TEXARKANA, AR
TYR	ASW	TYLER POUNDS RGNL	TYLER, TX
TZR	AGL	BOLTON FIELD	COLUMBUS, OH
UES	AGL	WAUKESHA COUNTY	WAUKESHA, WI
UGN	AGL	WAUKEGAN RGNL	CHICAGO/WAUKEGAN, IL
UNV	AEA	UNIVERSITY PARK	STATE COLLEGE, PA

Table B-4 List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
VCT	ASW	VICTORIA RGNL	VICTORIA, TX
VCV	AWP	SOUTHERN CALIFORNIA LOGISTICS	VICTORVILLE, CA
VGT	AWP	NORTH LAS VEGAS	LAS VEGAS, NV
VNY	AWP	VAN NUYS	VAN NUYS, CA
VQQ	ASO	CECIL	JACKSONVILLE, FL
VRB	ASO	VERO BEACH MUNI	VERO BEACH, FL
WDG	ASW	ENID WOODRING RGNL	ENID, OK
WHP	AWP	WHITEMAN	LOS ANGELES, CA
WJF	AWP	GENERAL WM J FOX AIRFIELD	LANCASTER, CA
XFL	ASO	FLAGLER COUNTY	PALM COAST, FL
YIP	AGL	WILLOW RUN	DETROIT, MI
YKM	ANM	YAKIMA AIR TERMINAL/MCALLISTER FIELD	YAKIMA, WA
YNG	AGL	YOUNGSTOWN-WARREN RGNL	YOUNGSTOWN/WARREN, OH

Listed 379 Airports.

Table B-5 List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
ABY	ASO	SOUTHWEST GEORGIA RGNL	ALBANY, GA
ADM	ASW	ARDMORE MUNI	ARDMORE, OK
ADQ	AAL	KODIAK	KODIAK, AK
AEG	ASW	DOUBLE EAGLE II	ALBUQUERQUE, NM
AEX	ASW	ALEXANDRIA INTL	ALEXANDRIA, LA
AHN	ASO	ATHENS/BEN EPPS	ATHENS, GA
AKN	AAL	KING SALMON	KING SALMON, AK
ALN	AGL	ST LOUIS RGNL	ALTON/ST LOUIS, IL
ALW	ANM	WALLA WALLA RGNL	WALLA WALLA, WA
ANE	AGL	ANOKA COUNTY-BLAINE ARPT(JANES FIELD)	MINNEAPOLIS, MN
APF	ASO	NAPLES MUNI	NAPLES, FL
ARA	ASW	ACADIANA RGNL	NEW IBERIA, LA
ASG	ASW	SPRINGDALE MUNI	SPRINGDALE, AR
ASH	ANE	BOIRE FIELD	NASHUA, NH
ATW	AGL	OUTAGAMIE COUNTY RGNL	APPLETON, WI
BAF	ANE	WESTFIELD-BARNES RGNL	WESTFIELD/SPRINGFIELD, MA
BAK	AGL	COLUMBUS MUNI	COLUMBUS, IN
BAZ	ASW	NEW BRAUNFELS RGNL	NEW BRAUNFELS, TX
BBG	ACE	BRANSON	BRANSON, MO
BCT	ASO	BOCA RATON	BOCA RATON, FL
BDR	ANE	IGOR I SIKORSKY MEMORIAL	BRIDGEPORT, CT
BET	AAL	BETHEL	BETHEL, AK
BFM	ASO	MOBILE DOWNTOWN	MOBILE, AL
BKL	AGL	BURKE LAKEFRONT	CLEVELAND, OH
BKV	ASO	HERNANDO COUNTY	BROOKSVILLE, FL
BLI	ANM	BELLINGHAM INTL	BELLINGHAM, WA
BMG	AGL	MONROE COUNTY	BLOOMINGTON, IN
BMI	AGL	CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL	BLOOMINGTON/NORMAL, IL
BQN	ASO	RAFAEL HERNANDEZ	AGUADILLA, PR
BRO	ASW	BROWNSVILLE/SOUTH PADRE ISLAND INTL	BROWNSVILLE, TX
BTL	AGL	W K KELLOGG	BATTLE CREEK, MI
BVY	ANE	BEVERLY MUNI	BEVERLY, MA
BZN	ANM	BOZEMAN YELLOWSTONE INTL	BOZEMAN, MT
CGF	AGL	CUYAHOGA COUNTY	CLEVELAND, OH
CHD	AWP	CHANDLER MUNI	CHANDLER, AZ
CHO	AEA	CHARLOTTESVILLE-ALBEMARLE	CHARLOTTESVILLE, VA
CIC	AWP	CHICO MUNI	CHICO, CA
CLL	ASW	EASTERWOOD FIELD	COLLEGE STATION, TX
CNW	ASW	TSTC WACO	WACO, TX
COU	ACE	COLUMBIA RGNL	COLUMBIA, MO
CRE	ASO	GRAND STRAND	NORTH MYRTLE BEACH, SC
CRG	ASO	JACKSONVILLE EXECUTIVE AT CRAIG	JACKSONVILLE, FL
CWA	AGL	CENTRAL WISCONSIN	MOSINEE, WI
CWF	ASW	CHENNAULT INTL	LAKE CHARLES, LA
CXO	ASW	LONE STAR EXECUTIVE	HOUSTON , TX

Table B-5 List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
CXY	AEA	CAPITAL CITY	HARRISBURG, PA
CYS	ANM	CHEYENNE RGNL/JERRY OLSON FIELD	CHEYENNE, WY
DBQ	ACE	DUBUQUE RGNL	DUBUQUE, IA
DEC	AGL	DECATUR	DECATUR, IL
DET	AGL	COLEMAN A. YOUNG MUNI	DETROIT, MI
DHN	ASO	DOTHAN RGNL	DOTHAN, AL
DTN	ASW	SHREVEPORT DOWNTOWN	SHREVEPORT, LA
DTO	ASW	DENTON MUNI	DENTON, TX
DXR	ANE	DANBURY MUNI	DANBURY, CT
EAU	AGL	CHIPPEWA VALLEY RGNL	EAU CLAIRE, WI
ECP	ASO	NORTHWEST FLORIDA BEACHES INTL	PANAMA CITY, FL
EGE	ANM	EAGLE COUNTY RGNL	EAGLE, CO
ENA	AAL	KENAI MUNI	KENAI, AK
ENW	AGL	KENOSHA RGNL	KENOSHA, WI
ESN	AEA	EASTON/NEWNAM FIELD	EASTON, MD
EVB	ASO	NEW SMYRNA BEACH MUNI	NEW SMYRNA BEACH, FL
EWB	ANE	NEW BEDFORD RGNL	NEW BEDFORD, MA
EWN	ASO	COASTAL CAROLINA REGIONAL	NEW BERN, NC
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FDK	AEA	FREDERICK MUNI	FREDERICK, MD
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FMN	ASW	FOUR CORNERS RGNL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FOE	ACE	FORBES FIELD	TOPEKA, KS
FOK	AEA	FRANCIS S GABRESKI	WESTHAMPTON BEACH, NY
FTG	ANM	FRONT RANGE	DENVER, CO
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FWS	ASW	FORT WORTH SPINKS	FORT WORTH, TX
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GCK	ACE	GARDEN CITY RGNL	GARDEN CITY, KS
GEU	AWP	GLENDALE MUNI	GLENDALE, AZ
GJT	ANM	GRAND JUNCTION REGIONAL	GRAND JUNCTION, CO
GKY	ASW	ARLINGTON MUNI	ARLINGTON, TX
GLH	ASO	GREENVILLE MID-DELTA	GREENVILLE, MS
GLS	ASW	SCHOLES INTL AT GALVESTON	GALVESTON, TX
GMU	ASO	GREENVILLE DOWNTOWN	GREENVILLE, SC
GNV	ASO	GAINESVILLE RGNL	GAINESVILLE, FL
GON	ANE	GROTON-NEW LONDON	GROTON (NEW LONDON) , CT
GPI	ANM	GLACIER PARK INTL	KALISPELL , MT
GPM	ASW	GRAND PRAIRIE MUNI	GRAND PRAIRIE, TX
GRI	ACE	CENTRAL NEBRASKA RGNL	GRAND ISLAND, NE
GSN	AWP	FRANCISCO C. ADA/SAIPAN INTL	SAIPAN ISLAND, MP
GTR	ASO	GOLDEN TRIANGLE RGNL	COLUMBUS/W POINT/STARKVILLE,MS
GTU	ASW	GEORGETOWN MUNI	GEORGETOWN, TX

Table B-5 List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
GUM	AWP	GUAM INTL	AGANA, GU
GYH	ASO	DONALDSON CENTER	GREENVILLE, SC
GYR	AWP	PHOENIX GOODYEAR	GOODYEAR, AZ
GYY	AGL	GARY/CHICAGO INTL	GARY, IN
HFD	ANE	HARTFORD-BRAINARD	HARTFORD, CT
HGR	AEA	HAGERSTOWN RGNL-RICHARD A HENSON FLD	HAGERSTOWN, MD
HHR	AWP	JACK NORTHROP FIELD/HAWTHORNE MUNI	HAWTHORNE, CA
HKS	ASO	HAWKINS FIELD	JACKSON, MS
HKY	ASO	HICKORY RGNL	HICKORY, NC
HLG	AEA	WHEELING OHIO CO	WHEELING, WV
HND	AWP	HENDERSON EXECUTIVE	LAS VEGAS, NV
HOB	ASW	LEA COUNTY RGNL	HOBBS, NM
HQZ	ASW	MESQUITE METRO	MESQUITE, TX
HRL	ASW	VALLEY INTL	HARLINGEN, TX
HSA	ASO	STENNIS INTL	BAY ST LOUIS, MS
HUM	ASW	HOUMA-TERREBONNE	HOUMA, LA
HUT	ACE	HUTCHINSON MUNI	HUTCHINSON, KS
HVN	ANE	TWEED-NEW HAVEN	NEW HAVEN, CT
HWO	ASO	NORTH PERRY	HOLLYWOOD, FL
HXD	ASO	HILTON HEAD	HILTON HEAD ISLAND, SC
HYA	ANE	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYANNIS, MA
HYI	ASW	SAN MARCOS MUNI	SAN MARCOS, TX
IAG	AEA	NIAGARA FALLS INTL	NIAGARA FALLS, NY
IDA	ANM	IDAHO FALLS RGNL	IDAHO FALLS, ID
IFP	AWP	LAUGHLIN/BULLHEAD INTL	BULLHEAD CITY, AZ
INT	ASO	SMITH REYNOLDS	WINSTON SALEM, NC
IPT	AEA	WILLIAMSPORT RGNL	WILLIAMSPORT, PA
ISM	ASO	KISSIMMEE GATEWAY	ORLANDO, FL
ISO	ASO	KINSTON RGNL JETPORT AT STALLINGS FLD	KINSTON, NC
ITH	AEA	ITHACA TOMPKINS RGNL	ITHACA, NY
IWA	AWP	PHOENIX-MESA GATEWAY	PHOENIX, AZ
IXD	ACE	NEW CENTURY AIRCENTER	OLATHE, KS
JAC	ANM	JACKSON HOLE	JACKSON, WY
JEF	ACE	JEFFERSON CITY MEMORIAL	JEFFERSON CITY, MO
JLN	ACE	JOPLIN RGNL	JOPLIN, MO
JQF	ASO	CONCORD RGNL	CONCORD, NC
JRF	AWP	KALAELOA (JOHN RODGERS FIELD)	KAPOLEI, HI
JVL	AGL	SOUTHERN WISCONSIN RGNL	JANESVILLE, WI
JXN	AGL	JACKSON COUNTY-REYNOLDS FIELD	JACKSON, MI
KOA	AWP	KONA INTL AT KEAHOLE	KAILUA/KONA, HI
LAL	ASO	LAKELAND LINDER RGNL	LAKELAND, FL
LAW	ASW	LAWTON-FORT SILL RGNL	LAWTON, OK
LBE	AEA	ARNOLD PALMER RGNL	LATROBE, PA
LEB	ANE	LEBANON MUNI	LEBANON, NH
LEE	ASO	LEESBURG INTL	LEESBURG, FL
LIH	AWP	LIHUE	LIHUE, HI

Table B-5 List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
LMT	ANM	CRATER LAKE-KLAMATH RGNL	KLAMATH FALLS, OR
LNS	AEA	LANCASTER	LANCASTER, PA
LRD	ASW	LAREDO INTL	LAREDO, TX
LSE	AGL	LA CROSSE MUNI	LA CROSSE, WI
LUK	AGL	CINCINNATI MUNI AIRPORT LUNKEN FIELD	CINCINNATI, OH
LWB	AEA	GREENBRIER VALLEY	LEWISBURG, WV
LWM	ANE	LAWRENCE MUNI	LAWRENCE, MA
LWS	ANM	LEWISTON-NEZ PERCE COUNTY	LEWISTON, ID
LYH	AEA	LYNCHBURG RGNL/PRESTON GLENN FLD	LYNCHBURG, VA
LZU	ASO	GWINNETT COUNTY - BRISCOE FIELD	LAWRENCEVILLE, GA
MCN	ASO	MIDDLE GEORGIA RGNL	MACON, GA
MDH	AGL	SOUTHERN ILLINOIS	CARBONDALE/MURPHYSBORO, IL
MEI	ASO	KEY FIELD	MERIDIAN, MS
MER	AWP	CASTLE	ATWATER, CA
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
MFR	ANM	ROGUE VALLEY INTL - MEDFORD	MEDFORD, OR
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MHK	ACE	MANHATTAN RGNL	MANHATTAN, KS
MHR	AWP	SACRAMENTO MATHER	SACRAMENTO, CA
MIE	AGL	DELAWARE COUNTY RGNL	MUNCIE, IN
MKK	AWP	MOLOKAI	KAUNAKAKAI, HI
MKL	ASO	MC KELLAR-SIPES RGNL	JACKSON, TN
MLB	ASO	MELBOURNE INTL	MELBOURNE, FL
MOD	AWP	MODESTO CITY-CO-HARRY SHAM FLD	MODESTO, CA
MOT	AGL	MINOT INTL	MINOT, ND
MQY	ASO	SMYRNA	SMYRNA, TN
MSO	ANM	MISSOULA INTL	MISSOULA, MT
MTN	AEA	MARTIN STATE	BALTIMORE, MD
MVY	ANE	MARTHAS VINEYARD	VINEYARD HAVEN, MA
MWA	AGL	WILLIAMSON COUNTY RGNL	MARION, IL
MWC	AGL	LAWRENCE J TIMMERMAN	MILWAUKEE, WI
NQA	ASO	MILLINGTON RGNL JETPORT	MILLINGTON, TN
OCF	ASO	OCALA INTL-JIM TAYLOR FIELD	OCALA, FL
OGD	ANM	OGDEN-HINCKLEY	OGDEN, UT
OJC	ACE	JOHNSON COUNTY EXECUTIVE	OLATHE, KS
OLM	ANM	OLYMPIA RGNL	OLYMPIA, WA
OLV	ASO	OLIVE BRANCH	OLIVE BRANCH, MS
OMN	ASO	ORMOND BEACH MUNI	ORMOND BEACH, FL
OPF	ASO	OPA-LOCKA EXECUTIVE	MIAMI, FL
ORH	ANE	WORCESTER RGNL	WORCESTER, MA
OSH	AGL	WITTMAN RGNL	OSHKOSH, WI
OSU	AGL	OHIO STATE UNIVERSITY	COLUMBUS, OH
OTH	ANM	SOUTHWEST OREGON RGNL	NORTH BEND, OR
OUN	ASW	UNIVERSITY OF OKLAHOMA WESTHEIMER	NORMAN, OK
OWB	ASO	OWENSBORO-DAVIESS COUNTY	OWENSBORO, KY
OWD	ANE	NORWOOD MEMORIAL	NORWOOD, MA

Table B-5 List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
OXC	ANE	WATERBURY-OXFORD	OXFORD, CT
OXR	AWP	OXNARD	OXNARD, CA
PAH	ASO	BARKLEY RGNL	PADUCAH, KY
PDT	ANM	EASTERN OREGON RGNL AT PENDLETON	PENDLETON, OR
PGD	ASO	PUNTA GORDA	PUNTA GORDA, FL
PIH	ANM	POCATELLO RGNL	POCATELLO, ID
PKB	AEA	MID-OHIO VALLEY RGNL	PARKERSBURG, WV
PMD	AWP	PALMDALE USAF PLANT 42	PALMDALE, CA
PMP	ASO	POMPANO BEACH AIRPARK	POMPANO BEACH, FL
PVU	ANM	PROVO MUNI	PROVO, UT
PWA	ASW	WILEY POST	OKLAHOMA CITY, OK
RAL	AWP	RIVERSIDE MUNI	RIVERSIDE, CA
RAP	AGL	RAPID CITY RGNL	RAPID CITY, SD
RBD	ASW	DALLAS EXECUTIVE	DALLAS, TX
RDD	AWP	REDDING MUNI	REDDING, CA
RDM	ANM	ROBERTS FIELD	REDMOND, OR
RME	AEA	GRIFFISS INTL	ROME, NY
RNM	AWP	RAMONA	RAMONA, CA
RNT	ANM	RENTON MUNI	RENTON, WA
ROG	ASW	ROGERS MUNI-CARTER FIELD	ROGERS, AR
RYN	AWP	RYAN FIELD	TUCSON, AZ
RYY	ASO	COBB COUNTY-MC COLLUM FIELD	ATLANTA, GA
SAC	AWP	SACRAMENTO EXECUTIVE	SACRAMENTO, CA
SAF	ASW	SANTA FE MUNI	SANTA FE, NM
SAW	AGL	SAWYER INTL	MARQUETTE, MI
SBP	AWP	SAN LUIS COUNTY RGNL	SAN LUIS OBISPO, CA
SBY	AEA	SALISBURY-OCEAN CITY WICOMICO RGNL	SALISBURY, MD
SDM	AWP	BROWN FIELD MUNI	SAN DIEGO, CA
SFF	ANM	FELTS FIELD	SPOKANE, WA
SGJ	ASO	NORTHEAST FLORIDA RGNL	ST AUGUSTINE, FL
SGR	ASW	SUGAR LAND RGNL	HOUSTON, TX
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SJT	ASW	SAN ANGELO RGNL/MATHIS FIELD	SAN ANGELO, TX
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA RGNL	SALINA, KS
SMX	AWP	SANTA MARIA PUB/CAPT G ALLAN HANCOCK FLD	SANTA MARIA, CA
SNS	AWP	SALINAS MUNI	SALINAS, CA
SPG	ASO	ALBERT WHITTED	ST PETERSBURG, FL
SQL	AWP	SAN CARLOS	SAN CARLOS, CA
SSF	ASW	STINSON MUNI	SAN ANTONIO, TX
STC	AGL	ST CLOUD RGNL	ST CLOUD, MN
STJ	ACE	ROSECRANS MEMORIAL	ST JOSEPH, MO
STX	ASO	HENRY E ROHLSEN	CHRISTIANSTED, VI
SUA	ASO	WITHAM FIELD	STUART, FL
SUN	ANM	FRIEDMAN MEMORIAL	HAILEY, ID
SWF	AEA	STEWART INTL	NEWBURGH, NY

Table B-5 List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
SWO	ASW	STILLWATER RGNL	STILLWATER, OK
TCL	ASO	TUSCALOOSA RGNL	TUSCALOOSA, AL
TIW	ANM	TACOMA NARROWS	TACOMA, WA
TIX	ASO	SPACE COAST RGNL	TITUSVILLE, FL
TKI	ASW	COLLIN COUNTY RGNL AT MC KINNEY	DALLAS, TX
TOP	ACE	PHILIP BILLARD MUNI	TOPEKA, KS
TTD	ANM	PORTLAND-TROUTDALE	PORTLAND, OR
TTN	AEA	TRENTON MERCER	TRENTON, NJ
TUP	ASO	TUPELO RGNL	TUPELO, MS
TXK	ASW	TEXARKANA RGNL-WEBB FIELD	TEXARKANA, AR
TYR	ASW	TYLER POUNDS RGNL	TYLER, TX
TZR	AGL	BOLTON FIELD	COLUMBUS, OH
UES	AGL	WAUKESHA COUNTY	WAUKESHA, WI
UGN	AGL	WAUKEGAN RGNL	CHICAGO/WAUKEGAN, IL
UNV	AEA	UNIVERSITY PARK	STATE COLLEGE, PA
VCT	ASW	VICTORIA RGNL	VICTORIA, TX
VCV	AWP	SOUTHERN CALIFORNIA LOGISTICS	VICTORVILLE, CA
VQQ	ASO	CECIL	JACKSONVILLE, FL
WDG	ASW	ENID WOODRING RGNL	ENID, OK
WHP	AWP	WHITEMAN	LOS ANGELES, CA
WJF	AWP	GENERAL WM J FOX AIRFIELD	LANCASTER, CA
XFL	ASO	FLAGLER COUNTY	PALM COAST, FL
XNA	ASW	NORTHWEST ARKANSAS RGNL	FAYETTEVILLE/SPRINGDALE/, AR
YKM	ANM	YAKIMA AIR TERMINAL/MCALLISTER FIELD	YAKIMA, WA

Listed 252 Airports.