Federal Aviation Administration

Terminal Area Forecast Summary

Fiscal Years 2011 - 2040

HQ121529

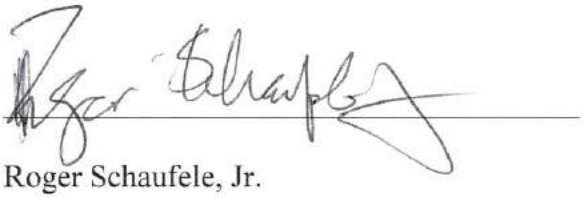
Preface

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 2011-2031*. The final TAF considers the forecasts and assumptions contained in *FAA Aerospace Forecasts, Fiscal Years 2012-2032*. The tables for the national forecasts will be available at http://www.faa.gov/data_statistics/aviation/aerospace_forecasts/2012-2032/ after March 9, 2012.

The TAF can be accessed from the Internet. The TAF model and TAF database are located at http://aspm.faa.gov/. 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 2010) and forecast (2011 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.



Roger Schaufele, Jr.
Manager
Forecast and Performance Analysis Division
Office of Aviation Policy and Plans

Acknowledgments

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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 701.9 million passengers were enplaned at U.S. airports in 2010; FAA and Federal contract towered airports accounted for 697.8 million enplanements.

- The top 100 air carrier airports accounted for 661.2 million enplanements in 2010, or 95 percent of total U.S. enplanements.

- FAA towers handled 37.3 million operations (takeoffs and landings) in 2010, including 20.4 million commercial aircraft operations.

- FAA contract towers handled 14.1 million operations in 2010, including 1.7 million commercial operations.

- The Core airports enplaned 495.1 million passengers in 2010. These airports are projected to enplane 1.1 billion passengers in 2040, a 118.4 percent increase over the forecast period (or 2.6 percent annually).

- The 29 large hub airports[1] enplaned 490.2 million passengers in 2010. These airports are projected to enplane 1.1 billion passengers in 2040, a 119.0 percent increase over the 30-year period (or 2.6 percent annually).

- The 36 medium hub airports[2] recorded 131.4 million enplanements in 2010. These airports are projected to enplane 252.0 million passengers in 2040, a 91.8 percent increase over the 30-year period (or 2.2 percent annually).

- Atlanta (42.5 million enplanements), Chicago O'Hare (31.9 million), Los Angeles (28.4 million), Dallas/Ft.Worth (26.7 million), and Denver (24.8 million) led U.S. commercial airports in passenger enplanements, accounting for 22.0 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 94.3 million enplaned passengers in 2040. Chicago O'Hare is projected to enplane 69.8 million passengers in 2040, followed by Los Angeles with 60.2 million enplanements.

- Enplanements at Houston Intercontinental, Washington Dulles, and John F. Kennedy airports are projected to grow fastest among the Core airports. The annual growth rates at these airports are forecast to increase by 4.1, 3.9, and 3.6 percent per year, respectively, over the forecast period.

- In terms of total operations, Atlanta was the busiest U.S. airport in 2010 with 957,000 aircraft operations. Chicago O'Hare and Dallas/Ft. Worth were the second and third busiest airports with 868,000 and 650,000 operations, respectively.

- In 2040, Atlanta is expected to remain the busiest airport in the nation, as measured by total operations, with a projected 1.72 million operations. Chicago O'Hare

[1] Airports enplaning one percent or more of total enplanements.

[2] Airports enplaning 0.25 to 0.99 percent of total enplanements.

(1.68 million operations) is projected to stay in second place. Houston Intercontinental (1.38 million operations) is projected to move into third place and Denver (1.12 million operations) is projected to remain in fourth place.

- The FAA's Southern region airports enplaned more passengers than any other region with 162.7 million passengers in 2010, or 23 percent of U.S. enplanements. The Western Pacific region was second with 140.4 million enplanements, or 20 percent of the total.

- The Southern region is expected to lead in passenger enplanements in 2040, reaching 357.8 million. The Western Pacific region is projected to stay in second place with 288.8 million enplanements.

- The Southern region led all FAA regions in the number of airport operations with 22.4 million in 2010. The Southern region is expected to remain first in 2040 with 28.2 million operations. The Western Pacific and Great Lakes regions ran second and third in airport operations in 2010 with 16.5 and 16.3 million, respectively. In 2040, the Western Pacific region is projected to remain in second place with 19.9 million operations and the Great Lakes region is projected to remain in third place with 19.3 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 the 264 FAA towered airports, 248 Federal contract tower airports, 31 terminal radar approach control facilities, and 2,824 non-FAA airports as of September 30, 2010. 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 are located at http://aspm.faa.gov/. 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 2010 and forecasts for 2011 to 2040.[3] The historical enplanement information in the TAF model are from 1976 through 2010 and the 2011 figures represent estimates. The enplanement forecasts are from 2012 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.

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.

[3] Operations data for FAA towers and Federal contract towers for 2011 are actual.

Aviation activity forecasts for FAA-towered and Federal contract towered airports are developed using historical relationships between airport passenger demand and/or activity measures and local and national factors that influence aviation activity. Each estimate is examined for its reasonableness and consistency by comparisons with historical trends of airport activity. If forecasts deviate from their expected trend, FAA uses other statistical techniques to reforecast the series. Other methods may include use of regression analysis and the use of growth rates developed separately from the TAF. The TAF may incorporate estimates prepared by local authorities and/or recent FAA-approved airport master plan forecasts, when FAA staff concludes that the methods used to develop these forecasts are acceptable.

In addition, the Core airports received a more in-depth review by FAA economists. The analyses of these hub city airports include additional consideration for the effect of local economic variables (such as income and employment) and the growth of originating and connecting traffic as well as the price of flying from that airport. The hub forecasts also include assumptions regarding the seating capacity and load factors for commercial aircraft operating out of the airport. The volatility in aviation activity necessitated increased efforts to develop the near-term forecasts for the Core airports. These efforts included the use of airport authority statistics to estimate baseline passenger levels; the use of future airline schedules to project near-term departures and seats; and the use of month-over-month trends in enplanements per departure to project near-term enplanement and activity levels.

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 all FAA and Federal contract towered airports and non-FAA facilities with passenger service, the TAF corresponds to prevailing local and national trends. For non-FAA facilities, which rely solely on Form 5010 data for aviation activity levels, operations levels are held constant unless otherwise specified by a local or regional FAA official.

Forecast Review Process

Initially, FAA headquarters staff and management review FAA and Federal contract tower airport forecasts. 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 2012-2032*. Reasons for the differences are threefold. First, the TAF forecast methods consider airport specific trends. In particular, Core airport forecasts are based, in part, on the projected local economic activity and airport specific airline fares. 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 the general aviation operations activity shown in the summary tables. 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 T-100 database. Regional carrier enplanements are derived from DOT T-100 and 298-C data.[4]

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.

[4] 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 Totals

Near-Term Forecasts

In 2011 actual total operations at FAA and contract towers declined 1.4 percent; commercial operations increased 0.2 percent whereas non-commercial operations decreased 2.6 percent. Total enplanements were estimated to increase 2.1 percent in 2011.

In 2012 total operations at towers are forecast to decline 1.0 percent. This forecast decline in total operations at FAA and contract towers is primarily attributable to a forecast decrease of 1.9 percent in general aviation activity (itinerant general aviation plus local civil). Total enplanements are forecast to increase 0.3 percent in 2012.

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 towered airports reflected in *FAA Aerospace Forecasts, Fiscal Years 2012 – 2032* show aircraft operations growing at an average annual rate of 1.2 percent over the 21-year forecast period. Average annual growth rates for this period by user group are as follows: air carrier, 2.0 percent; air taxi/commuter, 1.6 percent; itinerant general aviation, 0.2 percent; and local civil 0.3 percent. The projected average annual rate of increase for enplanements on U.S. mainline and regional carriers from the national forecast is 2.5 percent over the 21-year forecast period.

Trends by Region

In fiscal year 2010, the FAA served 264 towers and 248 Federal contract towers. 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 2006 through 2040. The Southern (22.4 million operations), Western Pacific (16.5 million), and Great Lakes (16.3 million) regions ranked as the top three FAA regions in airport operations in 2010. Operations for all TAF airports totaled 101.5 million. The Northwest Mountain and Eastern regions are projected to be the fastest growing FAA regions from 2010 to 2040 in terms of airport operations, increasing 38 percent and 28 percent, respectively.

The Southern region led FAA regions in passengers enplaned with 162.7 million in 2010, followed by the Western Pacific region with 140.4 million passengers. Enplanements in the Southern region are projected to increase the most in percentage terms increasing 121 percent from 2010 to 2040. The next two regions with the fastest projected increase in enplanements are Southern (120 percent) and Eastern (117 percent).

In 2010, there was a national total of 165,900 based aircraft. Southern (30,900 aircraft),

Western Pacific (29,300), and Great Lakes (27,600) ranked as the top three FAA regions.

Large, Medium, and Small Hubs

Table S-5 presents passenger enplanements and airport operations 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 29 large hub airports enplaned 490.2 million passengers in 2010 while the 36 medium and 76 small hub airports enplaned 131.4 and 58.9 million passengers, respectively. The 372 non-hub airports enplaned 17.3 million passengers. Enplanements at large hubs are expected to increase at an annual rate of 2.6 percent over the 2010 to 2040 forecast period. Medium and small hub airports are forecast to increase 2.2 percent and 2.1 percent annually, respectively, during the forecast period.

Operations at large hub airports totaled 12.4 million compared to 5.8 million and 7.1 million at medium and small hub airports, respectively. Operations at large hub airports are forecast to increase at an annual rate of 2.0 percent from 2010 to 2040, growing to 22.1 million. Operations at the medium hubs are forecast to rise at an annual rate of 1.4 percent from 2010 to 2040; aircraft operations at small hub airports are forecast to grow 0.7 percent per year.

Non-hub airports accounted for 26.1 million operations or 51 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 2010 (42.5 million enplanements), followed by Chicago O'Hare (31.9 million), Los Angeles (28.4 million), and Dallas/Ft. Worth (26.7 million). Atlanta and Chicago O'Hare are forecast to have the strongest growth in enplanements among the top four airports, increasing at annual rates of 2.7 percent and 2.6 percent, respectively, over the 2010 to 2040 forecast period. Los Angeles and Dallas/Ft. Worth are forecast to increase 2.5 percent and 2.1 percent, respectively. Graph S-1 shows relative enplanements growth over the next 30 years. The five airports with the fastest projected increase are Houston Intercontinental, Washington Dulles, John F. Kennedy, Orlando, and Las Vegas.

Washington Dulles is projected to make the largest upward movement in ranking of enplanements, going from 21st to 14th. LaGuardia is projected to make the largest drop in rankings, going from 20th to 27th.

Table S-2 presents operations forecast summaries for the Core airports. In 2010, FAA controllers at Atlanta handled 957,000 landings and takeoffs, followed by Chicago O'Hare, which totaled 868,000 operations. The next busiest airports were Dallas/Ft. Worth and Denver with 650,000 and 626,000 airport operations, respectively.

In 2040, Atlanta is projected to have the largest number of operations with 1.72 million followed by Chicago O'Hare with 1.68 million. Houston Intercontinental is projected to move into 3rd place in 2040 with 1.38 million operations and Denver is projected to remain in 4th place with 1.12 million operations.

Graph S-2 shows that the three airports projected to grow the fastest in operations are Orlando, Houston Intercontinental, and John F. Kennedy. John F. Kennedy and Washington Dulles are expected to move into the list of the top 10 busiest airports; Philadelphia and Phoenix are expected to drop out of the top 10 ranking.

Table S-1.
Enplanements at the Core Airports
(In Thousands)

Loc ID	Reg	Airport Name	2010	2010* Percent	2011	2015	2040	Airport Ranking 2010	Airport Ranking 2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	42,482	6.05	43,639	50,400	94,299	1	1
ORD	AGL	CHICAGO O'HARE INTL	31,920	4.54	30,994	35,764	69,847	2	2
LAX	AWP	LOS ANGELES INTL	28,449	4.05	29,408	32,291	60,177	3	5
DFW	ASW	DALLAS/FORT WORTH INTL	26,730	3.80	27,118	29,030	49,628	4	6
DEN	ANM	DENVER INTL	24,799	3.53	24,757	27,672	47,757	5	8
JFK	AEA	JOHN F KENNEDY INTL	22,395	3.19	23,318	27,064	64,707	6	3
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	19,307	2.75	19,528	24,504	63,641	7	4
SFO	AWP	SAN FRANCISCO INTL	19,020	2.70	19,403	21,422	37,878	8	12
LAS	AWP	MC CARRAN INTL	18,871	2.68	19,459	22,617	48,428	9	7
PHX	AWP	PHOENIX SKY HARBOR INTL	18,717	2.66	19,537	21,709	42,289	10	10
CLT	ASO	CHARLOTTE/DOUGLAS INTL	17,913	2.55	19,337	21,912	39,934	11	11
MCO	ASO	ORLANDO INTL	16,627	2.36	16,719	19,623	46,086	12	9
MIA	ASO	MIAMI INTL	16,564	2.36	17,529	19,514	36,226	13	13
EWR	AEA	NEWARK LIBERTY INTL	16,498	2.35	16,698	19,274	34,281	14	15
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	15,321	2.18	15,578	17,143	30,847	15	17
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	15,296	2.17	15,593	16,824	28,035	16	19
SEA	ANM	SEATTLE-TACOMA INTL	15,212	2.16	15,738	17,337	29,042	17	18
PHL	AEA	PHILADELPHIA INTL	14,827	2.11	14,931	16,354	30,972	18	16
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	13,234	1.88	14,157	14,621	24,264	19	20
LGA	AEA	LA GUARDIA	11,801	1.68	12,156	13,229	16,508	20	27
IAD	AEA	WASHINGTON DULLES INTL	11,160	1.59	11,319	13,073	35,676	21	14
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHAL	10,611	1.51	11,080	11,725	23,321	22	22
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	10,480	1.49	11,114	12,260	23,373	23	21
SLC	ANM	SALT LAKE CITY INTL	9,786	1.39	9,724	10,108	19,661	24	23
HNL	AWP	HONOLULU INTL	8,634	1.23	8,581	8,946	11,850	25	29
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	8,536	1.21	8,899	9,306	11,934	26	28
MDW	AGL	CHICAGO MIDWAY INTL	8,464	1.20	8,853	9,578	18,873	27	24
SAN	AWP	SAN DIEGO INTL	8,399	1.19	8,304	9,090	17,258	28	25
TPA	ASO	TAMPA INTL	8,105	1.15	8,239	8,802	16,897	29	26
MEM	ASO	MEMPHIS INTL	4,941	0.70	4,510	4,461	7,618	30	30
Totals			495,099	70.41	506,220	565,653	1,081,307		

*Percent of total US enplanements.

Graph S-1. Enplanements Growth Rates for the Core Airports - 2010 to 2040

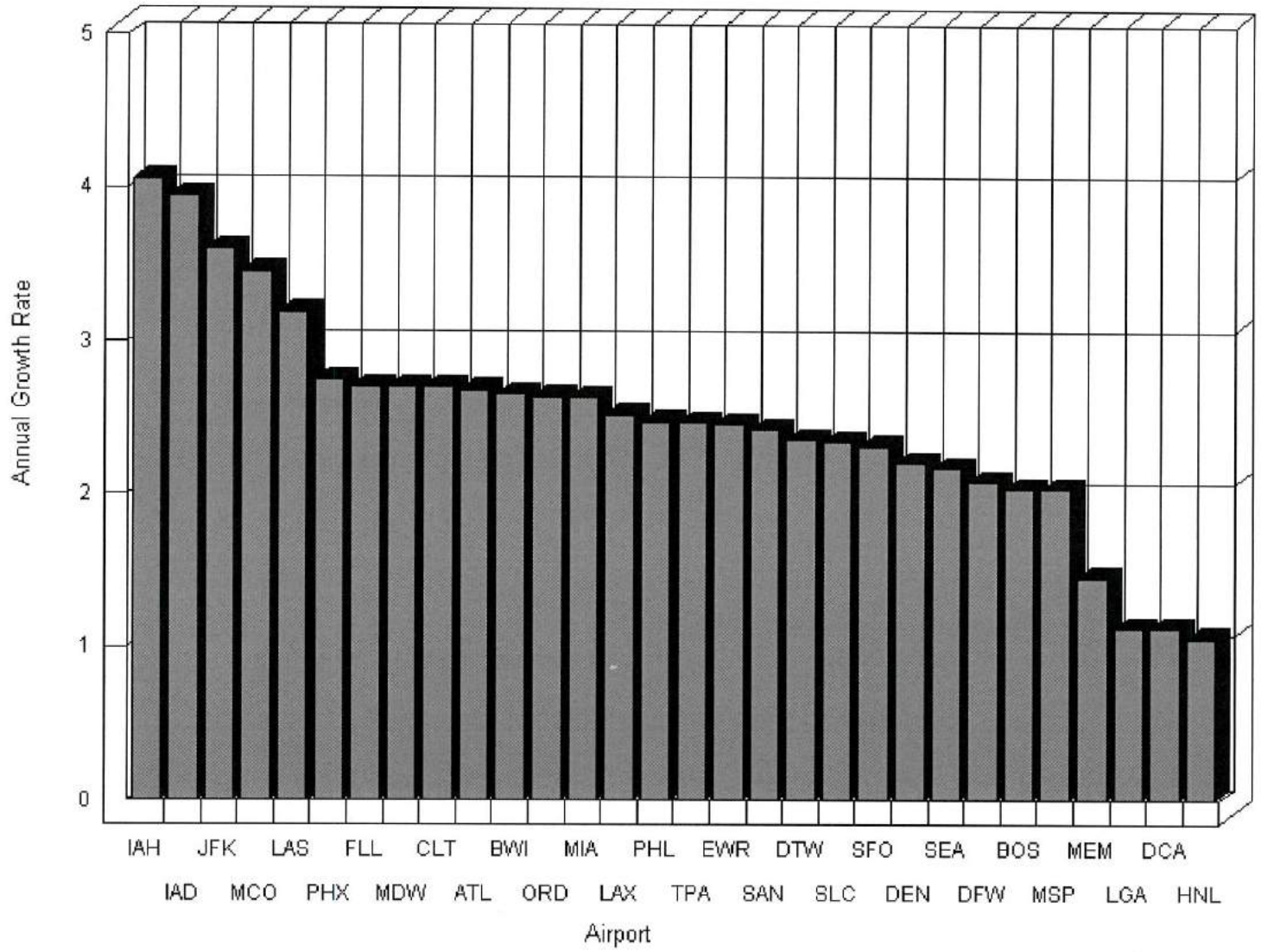

Table S-2.
Airport Operations at the Core Airports
(In Thousands)

Loc ID	Reg	Airport Name	2010	2010* Percent	2011	2015	2040	Airport Ranking 2010	Airport Ranking 2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	957	0.94	930	1,028	1,724	1	1
ORD	AGL	CHICAGO O'HARE INTL	868	0.85	884	988	1,676	2	2
DFW	ASW	DALLAS/FORT WORTH INTL	650	0.63	651	685	1,016	3	7
DEN	ANM	DENVER INTL	626	0.61	642	704	1,119	4	4
LAX	AWP	LOS ANGELES INTL	571	0.56	596	638	1,037	5	6
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	532	0.52	532	634	1,383	6	3
CLT	ASO	CHARLOTTE/DOUGLAS INTL	517	0.50	544	593	903	7	9
LAS	AWP	MC CARRAN INTL	506	0.49	527	584	1,042	8	5
PHL	AEA	PHILADELPHIA INTL	460	0.45	452	479	753	9	13
PHX	AWP	PHOENIX SKY HARBOR INTL	449	0.44	462	498	787	10	12
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	446	0.43	447	455	699	11	15
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	428	0.42	440	449	669	12	17
EWR	AEA	NEWARK LIBERTY INTL	409	0.40	412	463	691	13	16
JFK	AEA	JOHN F KENNEDY INTL	403	0.39	413	461	953	14	8
SFO	AWP	SAN FRANCISCO INTL	386	0.38	398	436	660	15	18
MIA	ASO	MIAMI INTL	369	0.36	392	425	720	16	14
SLC	ANM	SALT LAKE CITY INTL	367	0.36	365	365	574	17	19
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	366	0.36	374	373	506	18	21
IAD	AEA	WASHINGTON DULLES INTL	366	0.36	368	403	861	19	10
LGA	AEA	LA GUARDIA	365	0.35	370	381	387	20	26
MEM	ASO	MEMPHIS INTL	336	0.33	321	331	540	21	20
SEA	ANM	SEATTLE-TACOMA INTL	313	0.30	315	341	484	22	22
MCO	ASO	ORLANDO INTL	311	0.30	319	365	815	23	11
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHAL	275	0.27	277	291	471	24	24
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	272	0.26	270	283	450	25	25
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	270	0.26	285	291	315	26	29
HNL	AWP	HONOLULU INTL	264	0.25	267	273	322	27	28
MDW	AGL	CHICAGO MIDWAY INTL	246	0.24	253	279	478	28	23
TPA	ASO	TAMPA INTL	196	0.19	193	196	330	29	27
SAN	AWP	SAN DIEGO INTL	192	0.18	185	199	308	30	30
Totals			12,716	12.37	12,884	13,891	22,673		

*Percent of total US operations.

Graph S-2. Airport Operations Growth Rates for the Core Airports - 2010 to 2040

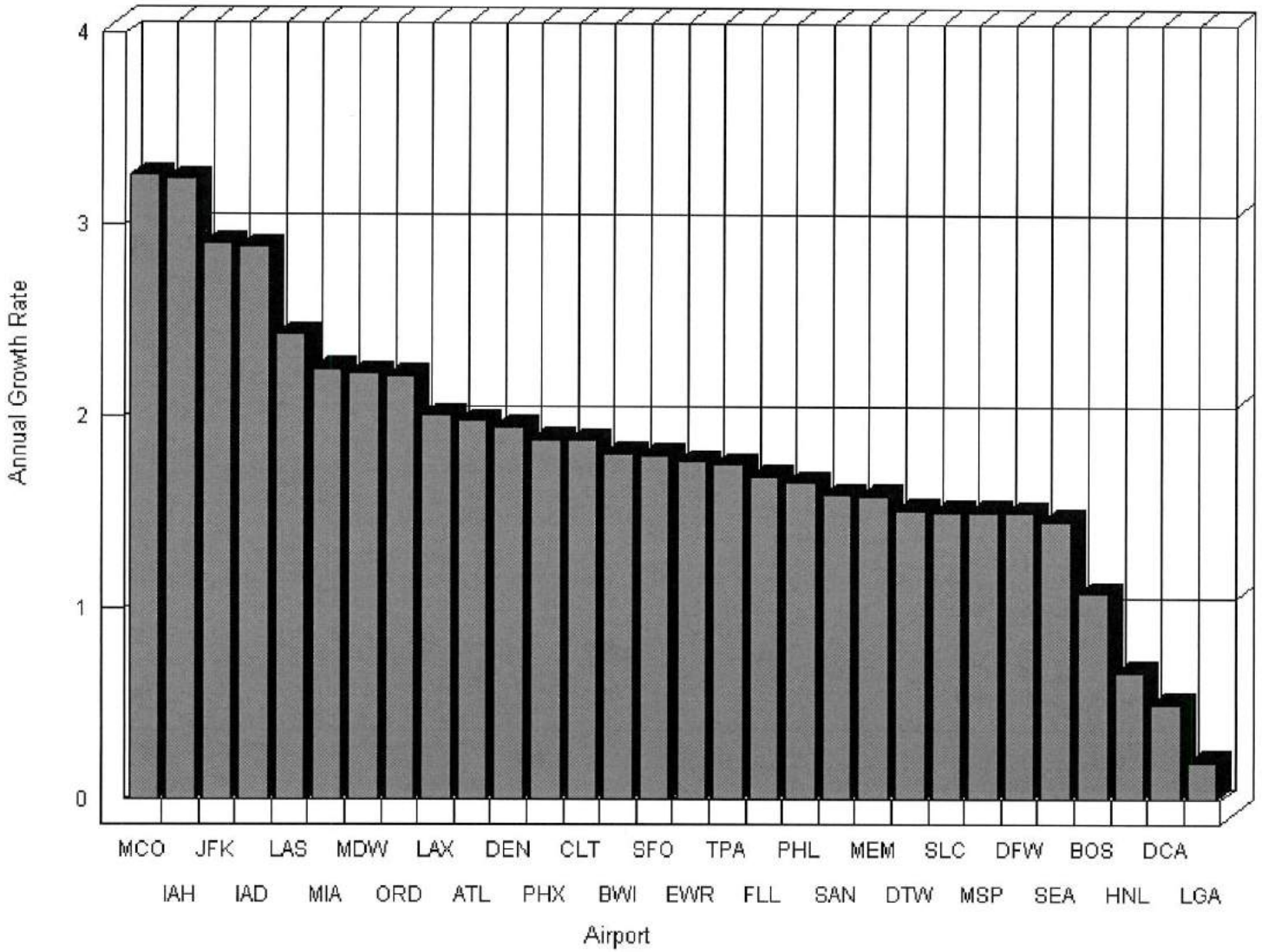

Table S-3.
Air Traffic Control Towers and Contract Towers by Region and State

As of September 30, 2010

Region/State	FAA Towers	Contract Towers
Alaska		
Alaska	4	4
Regional Total	4	4
Central		
Iowa	4	1
Kansas	1	8
Missouri	5	5
Nebraska	2	1
Regional Total	12	15
Eastern		
Delaware	1	0
District of Columbia	2	0
Maryland	2	4
New Jersey	5	1
New York	12	5
Pennsylvania	9	5
Virginia	5	2
West Virginia	3	4
Regional Total	39	21
Great Lakes		
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		
Connecticut	1	6
Maine	2	0
Massachusetts	3	8
New Hampshire	1	2
Rhode Island	1	0
Vermont	1	0
Regional Total	9	16

Region/State	FAA Towers	Contract Towers
Northwest Mountain		
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		
Alabama	4	3
Florida	18	23
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	56
Southwest		
Arkansas	2	5
Louisiana	7	5
New Mexico	2	4
Oklahoma	3	6
Texas	19	22
Regional Total	33	42
Western Pacific		
Arizona	7	7
California	33	21
Guam	0	1
Hawaii	3	4
Nevada	3	1
Regional Total	46	34
Grand Total	**264**	**248**

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2010

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
1	ATLANTA	GA	ATL	42,481,730	6.05	42,481,730	6.05	948,044	948,044
2	CHICAGO	IL	ORD	31,920,163	4.54	74,401,893	10.60	860,114	1,808,158
3	LOS ANGELES	CA	LAX	28,449,199	4.05	102,851,092	14.65	548,105	2,356,263
4	DALLAS-FORT WORTH	TX	DFW	26,730,437	3.80	129,581,529	18.46	644,226	3,000,489
5	DENVER	CO	DEN	24,798,605	3.53	154,380,134	21.99	622,619	3,623,108
6	NEW YORK	NY	JFK	22,394,743	3.19	176,774,877	25.18	395,756	4,018,864
7	HOUSTON	TX	IAH	19,307,245	2.75	196,082,122	27.93	519,920	4,538,784
8	SAN FRANCISCO	CA	SFO	19,019,870	2.70	215,101,992	30.64	369,344	4,908,128
9	LAS VEGAS	NV	LAS	18,870,621	2.68	233,972,613	33.33	460,690	5,368,818
10	PHOENIX	AZ	PHX	18,716,654	2.66	252,689,267	36.00	424,163	5,792,981
11	CHARLOTTE	NC	CLT	17,913,268	2.55	270,602,535	38.55	490,809	6,283,790
12	ORLANDO	FL	MCO	16,627,040	2.36	287,229,575	40.92	294,115	6,577,905
13	MIAMI	FL	MIA	16,564,315	2.36	303,793,890	43.28	349,872	6,927,777
14	NEWARK	NJ	EWR	16,498,119	2.35	320,292,009	45.63	398,577	7,326,354
15	DETROIT	MI	DTW	15,320,636	2.18	335,612,645	47.81	438,613	7,764,967
16	MINNEAPOLIS	MN	MSP	15,295,616	2.17	350,908,261	49.99	411,249	8,176,216
17	SEATTLE	WA	SEA	15,212,439	2.16	366,120,700	52.16	309,938	8,486,154
18	PHILADELPHIA	PA	PHL	14,827,410	2.11	380,948,110	54.27	436,258	8,922,412
19	BOSTON	MA	BOS	13,234,138	1.88	394,182,248	56.16	346,583	9,268,995
20	NEW YORK	NY	LGA	11,801,312	1.68	405,983,560	57.84	357,275	9,626,270
21	WASHINGTON	DC	IAD	11,159,891	1.59	417,143,451	59.43	316,993	9,943,263
22	BALTIMORE	MD	BWI	10,610,692	1.51	427,754,143	60.94	250,321	10,193,584
23	FORT LAUDERDALE	FL	FLL	10,480,148	1.49	438,234,291	62.43	226,336	10,419,920
24	SALT LAKE CITY	UT	SLC	9,786,371	1.39	448,020,662	63.83	303,587	10,723,507
25	HONOLULU	HI	HNL	8,633,599	1.23	456,654,261	65.06	202,150	10,925,657
26	WASHINGTON	DC	DCA	8,536,078	1.21	465,190,339	66.27	263,069	11,188,726
27	CHICAGO	IL	MDW	8,463,566	1.20	473,653,905	67.48	202,908	11,391,634
28	SAN DIEGO	CA	SAN	8,398,554	1.19	482,052,459	68.68	179,338	11,570,972
29	TAMPA	FL	TPA	8,105,458	1.15	490,157,917	69.83	168,238	11,739,210
30	PORTLAND	OR	PDX	6,488,833	0.92	496,646,750	70.76	198,920	11,938,130
31	ST LOUIS	MO	STL	5,979,165	0.85	502,625,915	71.61	178,384	12,116,514
32	MEMPHIS	TN	MEM	4,940,882	0.70	507,566,797	72.31	316,541	12,433,055
33	KANSAS CITY	MO	MCI	4,929,097	0.70	512,495,894	73.01	139,326	12,572,381
34	OAKLAND	CA	OAK	4,682,081	0.66	517,177,975	73.68	137,450	12,709,831
35	CLEVELAND	OH	CLE	4,606,419	0.65	521,784,394	74.34	184,710	12,894,541
36	MILWAUKEE	WI	MKE	4,583,742	0.65	526,368,136	74.99	173,213	13,067,754
37	SACRAMENTO	CA	SMF	4,444,383	0.63	530,812,519	75.62	109,150	13,176,904
38	RALEIGH/DURHAM	NC	RDU	4,439,086	0.63	535,251,605	76.26	142,933	13,319,837
39	NASHVILLE	TN	BNA	4,400,888	0.62	539,652,493	76.88	143,137	13,462,974
40	SANTA ANA	CA	SNA	4,309,029	0.61	543,961,522	77.50	98,556	13,561,530

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2010

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
41	SAN JUAN	PR	SJU	4,273,911	0.60	548,235,433	78.11	141,378	13,702,908
42	HOUSTON	TX	HOU	4,263,627	0.60	552,499,060	78.71	132,096	13,835,004
43	COVINGTON	KY	CVG	4,207,006	0.59	556,706,066	79.31	183,288	14,018,292
44	AUSTIN	TX	AUS	4,129,528	0.58	560,835,594	79.90	109,805	14,128,097
45	SAN JOSE	CA	SJC	4,026,559	0.57	564,862,153	80.47	108,280	14,236,377
46	NEW ORLEANS	LA	MSY	4,000,710	0.57	568,862,863	81.04	98,733	14,335,110
47	PITTSBURGH	PA	PIT	3,936,250	0.56	572,799,113	81.61	121,258	14,456,368
48	SAN ANTONIO	TX	SAT	3,884,064	0.55	576,683,177	82.16	114,192	14,570,560
49	DALLAS	TX	DAL	3,731,604	0.53	580,414,781	82.69	113,489	14,684,049
50	INDIANAPOLIS	IN	IND	3,689,331	0.52	584,104,112	83.22	148,410	14,832,459
51	FORT MYERS	FL	RSW	3,639,445	0.51	587,743,557	83.73	73,432	14,905,891
52	COLUMBUS	OH	CMH	3,125,149	0.44	590,868,706	84.18	109,570	15,015,461
53	WEST PALM BEACH	FL	PBI	2,939,988	0.41	593,808,694	84.60	78,775	15,094,236
54	ALBUQUERQUE	NM	ABQ	2,823,843	0.40	596,632,537	85.00	99,978	15,194,214
55	JACKSONVILLE	FL	JAX	2,727,173	0.38	599,359,710	85.39	75,615	15,269,829
56	BUFFALO	NY	BUF	2,595,934	0.36	601,955,644	85.76	82,507	15,352,336
57	WINDSOR LOCKS	CT	BDL	2,571,667	0.36	604,527,311	86.13	78,961	15,431,297
58	KAHULUI	HI	OGG	2,509,281	0.35	607,036,592	86.48	96,655	15,527,952
59	ONTARIO	CA	ONT	2,379,772	0.33	609,416,364	86.82	80,251	15,608,203
60	BURBANK	CA	BUR	2,253,691	0.32	611,670,055	87.14	73,462	15,681,665
61	ANCHORAGE	AK	ANC	2,171,982	0.30	613,842,037	87.45	187,169	15,868,834
62	OMAHA	NE	OMA	2,081,228	0.29	615,923,265	87.75	79,650	15,948,484
63	PROVIDENCE	RI	PVD	1,959,517	0.27	617,882,782	88.03	59,630	16,008,114
64	RENO	NV	RNO	1,847,482	0.26	619,730,264	88.29	55,090	16,063,204
65	TUCSON	AZ	TUS	1,827,389	0.26	621,557,653	88.55	58,535	16,121,739
66	OKLAHOMA CITY	OK	OKC	1,688,174	0.24	623,245,827	88.79	61,055	16,182,794
67	NORFOLK	VA	ORF	1,658,851	0.23	624,904,678	89.03	64,782	16,247,576
68	RICHMOND	VA	RIC	1,639,332	0.23	626,544,010	89.26	68,346	16,315,922
69	LOUISVILLE	KY	SDF	1,620,484	0.23	628,164,494	89.49	135,224	16,451,146
70	SPOKANE	WA	GEG	1,527,490	0.21	629,691,984	89.71	52,078	16,503,224
71	EL PASO	TX	ELP	1,505,104	0.21	631,197,088	89.93	60,670	16,563,894
72	BIRMINGHAM	AL	BHM	1,434,037	0.20	632,631,125	90.13	63,049	16,626,943
73	LONG BEACH	CA	LGB	1,419,778	0.20	634,050,903	90.33	38,602	16,665,545
74	MANCHESTER	NH	MHT	1,401,367	0.19	635,452,270	90.53	53,752	16,719,297
75	BOISE	ID	BOI	1,395,474	0.19	636,847,744	90.73	53,859	16,773,156
76	TULSA	OK	TUL	1,385,295	0.19	638,233,039	90.93	56,539	16,829,695
77	AGANA	GU	GUM	1,305,781	0.18	639,538,820	91.11	26,986	16,856,681
78	ROCHESTER	NY	ROC	1,266,945	0.18	640,805,765	91.30	57,051	16,913,732
79	ALBANY	NY	ALB	1,255,405	0.17	642,061,170	91.47	56,308	16,970,040
80	KAILUA/KONA	HI	KOA	1,240,767	0.17	643,301,937	91.65	40,555	17,010,595

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2010

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
81	DAYTON	OH	DAY	1,221,235	0.17	644,523,172	91.82	49,890	17,060,485
82	LIHUE	HI	LIH	1,170,083	0.16	645,693,255	91.99	74,317	17,134,802
83	LITTLE ROCK	AR	LIT	1,101,093	0.15	646,794,348	92.15	52,592	17,187,394
84	GRAND RAPIDS	MI	GRR	1,029,759	0.14	647,824,107	92.30	45,688	17,233,082
85	CHARLESTON	SC	CHS	1,017,692	0.14	648,841,799	92.44	47,521	17,280,603
86	SYRACUSE	NY	SYR	1,011,119	0.14	649,852,918	92.58	49,959	17,330,562
87	WHITE PLAINS	NY	HPN	995,868	0.14	650,848,786	92.73	63,754	17,394,316
88	DES MOINES	IA	DSM	881,745	0.12	651,730,531	92.85	47,467	17,441,783
89	COLORADO SPRINGS	CO	COS	872,725	0.12	652,603,256	92.98	37,482	17,479,265
90	NEW YORK	NY	ISP	868,428	0.12	653,471,684	93.10	21,789	17,501,054
91	PORTLAND	ME	PWM	858,708	0.12	654,330,392	93.22	35,342	17,536,396
92	GREENSBORO	NC	GSO	835,912	0.11	655,166,304	93.34	50,169	17,586,565
93	KNOXVILLE	TN	TYS	805,008	0.11	655,971,312	93.46	51,982	17,638,547
94	SAVANNAH	GA	SAV	782,685	0.11	656,753,997	93.57	38,073	17,676,620
95	MYRTLE BEACH	SC	MYR	761,976	0.10	657,515,973	93.68	80,413	17,757,033
96	MADISON	WI	MSN	759,380	0.10	658,275,353	93.78	32,257	17,789,290
97	AKRON	OH	CAK	757,805	0.10	659,033,158	93.89	29,081	17,818,371
98	PALM SPRINGS	CA	PSP	748,959	0.10	659,782,117	94.00	31,031	17,849,402
99	WICHITA	KS	ICT	746,516	0.10	660,528,633	94.11	44,324	17,893,726
100	PENSACOLA	FL	PNS	713,492	0.10	661,242,125	94.21	30,289	17,924,015
	Total of airports 101 thru 513			36,532,922	5.235	697,775,047	99.44	4,166,548	22,090,563

*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	2010	2040	Annual Compound Growth Rate 2010-2040
Large Hubs	29	490,157,917	1,073,687,643	2.64
Medium Hubs	36	131,399,736	251,973,151	2.19
Small Hubs	76	58,880,177	110,126,639	2.10
Non Hub Towers	372	17,337,217	32,798,705	2.14
Total	513	697,775,047	1,468,586,138	2.51

Operations at Towered Airports

	Count	2010	2040	Annual Compound Growth Rate 2010-2040
Large Hubs	29	12,378,925	22,133,770	1.95
Medium Hubs	36	5,819,149	8,933,395	1.43
Small Hubs	76	7,146,025	8,804,154	0.69
Non Hub Towers	372	26,118,041	29,069,529	0.35
Total	513	51,462,140	68,940,848	0.97

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										
2007	956,479	860,951	4,297,564	4,365,199	1,220,774	2,743,417	5,960,523	3,067,561	4,992,416	28,464,884
2008	939,380	890,544	4,061,360	4,259,249	1,158,817	2,783,306	5,919,227	3,055,439	4,904,043	27,971,365
2009	863,852	797,311	3,830,140	3,964,095	1,047,415	2,553,149	5,361,614	2,754,591	4,301,273	25,473,440
2010	886,178	754,260	3,756,614	3,960,473	1,007,159	2,509,493	5,295,884	2,739,246	4,213,947	25,123,254
Forecast										
2011	899,093	754,817	3,776,691	3,986,200	1,004,315	2,491,572	5,256,751	2,734,240	4,283,055	25,186,734
2012	908,006	745,341	3,786,069	3,924,606	988,967	2,474,942	5,271,294	2,762,905	4,280,397	25,142,527
2013	916,141	758,550	3,860,127	3,964,523	996,696	2,522,941	5,378,966	2,819,139	4,358,175	25,575,258
2014	924,053	777,691	3,940,130	4,066,654	1,012,238	2,581,354	5,509,951	2,884,030	4,454,818	26,150,919
2015	932,445	800,905	4,023,072	4,145,619	1,030,538	2,644,751	5,647,091	2,950,574	4,555,962	26,730,957
2016	941,145	822,306	4,107,753	4,219,404	1,048,404	2,702,020	5,780,414	3,013,886	4,655,541	27,290,873
2017	950,156	833,410	4,168,942	4,281,952	1,059,671	2,745,870	5,891,937	3,070,748	4,726,835	27,729,521
2018	959,465	844,714	4,230,742	4,345,751	1,071,112	2,790,635	6,006,783	3,128,609	4,799,572	28,177,383
2019	968,938	856,224	4,294,039	4,410,827	1,082,726	2,836,163	6,118,824	3,187,622	4,873,809	28,629,172
2020	978,584	867,937	4,358,880	4,477,190	1,094,516	2,882,668	6,233,478	3,247,762	4,949,572	29,090,587
2021	988,437	879,875	4,425,295	4,544,892	1,106,490	2,930,085	6,350,801	3,309,217	5,026,880	29,561,972
2022	998,475	892,041	4,493,338	4,613,948	1,118,639	2,978,478	6,470,874	3,368,025	5,105,767	30,039,585
2023	1,008,666	904,430	4,563,023	4,684,402	1,130,976	3,027,872	6,593,751	3,428,226	5,186,287	30,527,633
2024	1,019,089	917,058	4,634,433	4,756,273	1,143,502	3,078,311	6,719,502	3,489,861	5,268,465	31,026,494
2025	1,029,814	929,925	4,707,593	4,829,597	1,156,222	3,129,774	6,848,209	3,552,973	5,352,328	31,536,435
2026	1,040,793	943,044	4,782,556	4,904,404	1,169,139	3,182,326	6,979,952	3,617,584	5,437,918	32,057,716
2027	1,051,962	956,411	4,859,371	4,980,731	1,182,253	3,235,991	7,114,813	3,683,741	5,525,280	32,590,553
2028	1,063,386	970,046	4,938,099	5,058,614	1,195,571	3,290,786	7,252,845	3,751,498	5,614,453	33,135,298
2029	1,075,042	983,948	5,018,779	5,138,084	1,209,097	3,346,736	7,394,146	3,820,871	5,705,463	33,692,166
2030	1,086,938	998,127	5,101,482	5,219,180	1,222,829	3,403,875	7,538,790	3,891,944	5,798,365	34,261,530
2031	1,099,049	1,012,590	5,186,258	5,301,944	1,236,777	3,462,225	7,686,868	3,964,744	5,893,196	34,843,651
2032	1,111,599	1,027,345	5,273,160	5,385,666	1,250,937	3,521,820	7,838,465	4,039,320	5,989,991	35,438,303
2033	1,124,417	1,042,403	5,362,254	5,471,111	1,265,320	3,582,671	7,993,671	4,115,722	6,088,803	36,046,372
2034	1,137,492	1,057,776	5,453,598	5,558,297	1,279,929	3,644,832	8,152,594	4,193,997	6,189,672	36,668,187
2035	1,150,848	1,073,466	5,547,258	5,647,283	1,294,769	3,708,326	8,315,315	4,274,194	6,292,653	37,304,112
2036	1,164,484	1,089,483	5,643,306	5,738,105	1,309,840	3,773,182	8,481,936	4,356,377	6,397,786	37,954,499
2037	1,178,390	1,105,839	5,741,801	5,830,801	1,325,150	3,839,431	8,652,558	4,440,582	6,505,120	38,619,672
2038	1,192,809	1,122,539	5,842,812	5,925,404	1,340,701	3,907,114	8,827,281	4,526,884	6,614,694	39,300,238
2039	1,207,537	1,139,600	5,946,409	6,021,972	1,356,496	3,976,262	9,006,220	4,615,334	6,726,572	39,996,402
2040	1,222,581	1,157,050	6,052,683	6,120,544	1,372,540	4,046,898	9,189,478	4,705,993	6,840,803	40,708,570

*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 Pacific (AWP)	National Total
Historical										
2007	1,490,215	2,770,786	8,481,233	10,711,062	2,946,508	7,467,542	16,617,847	8,562,541	12,272,633	71,320,367
2008	1,439,163	2,948,126	7,909,921	10,183,510	2,756,649	7,225,963	16,394,674	8,441,319	11,877,284	69,176,609
2009	1,351,738	2,758,391	7,353,910	9,605,163	2,518,570	6,849,154	15,200,038	8,054,784	10,940,220	64,631,968
2010	1,375,845	2,670,201	7,323,773	9,396,842	2,460,657	6,667,170	14,810,267	7,957,586	10,500,892	63,163,233
Forecast										
2011	1,392,559	2,670,001	7,248,124	9,311,618	2,407,854	6,683,664	14,767,862	8,001,215	10,443,616	62,926,513
2012	1,404,270	2,645,917	7,250,503	9,157,922	2,366,045	6,689,479	14,738,877	8,064,998	10,392,826	62,710,837
2013	1,412,751	2,663,110	7,339,812	9,214,103	2,375,978	6,777,903	14,868,496	8,143,859	10,484,957	63,280,969
2014	1,421,014	2,685,902	7,435,216	9,332,314	2,393,738	6,877,477	15,023,273	8,231,722	10,596,133	63,996,789
2015	1,429,759	2,711,758	7,532,799	9,427,609	2,414,271	6,982,809	15,184,532	8,321,527	10,711,602	64,716,666
2016	1,438,817	2,735,815	7,632,273	9,517,768	2,434,383	7,081,090	15,342,308	8,408,498	10,825,674	65,416,626
2017	1,448,187	2,749,597	7,708,484	9,596,709	2,447,911	7,166,659	15,478,608	8,489,429	10,911,625	65,997,209
2018	1,457,860	2,763,590	7,785,482	9,677,081	2,461,628	7,253,882	15,618,577	8,571,775	10,999,197	66,589,072
2019	1,467,699	2,777,807	7,864,143	9,758,803	2,475,532	7,342,634	15,756,086	8,655,676	11,088,444	67,186,824
2020	1,477,715	2,792,243	7,944,535	9,841,982	2,489,626	7,433,149	15,896,567	8,741,124	11,179,394	67,796,335
2021	1,487,941	2,806,926	8,026,611	9,926,589	2,503,920	7,525,155	16,040,080	8,828,339	11,272,065	68,417,626
2022	1,498,356	2,821,852	8,110,528	10,012,749	2,518,401	7,618,951	16,186,723	8,913,361	11,366,511	69,047,432
2023	1,508,926	2,837,018	8,196,268	10,100,505	2,533,086	7,714,595	16,336,538	9,000,161	11,462,777	69,689,874
2024	1,519,733	2,852,439	8,283,924	10,189,738	2,547,975	7,812,315	16,489,620	9,088,846	11,560,898	70,345,488
2025	1,530,846	2,868,117	8,373,517	10,280,631	2,563,075	7,911,962	16,646,045	9,179,530	11,660,900	71,014,623
2026	1,542,216	2,884,061	8,465,112	10,373,362	2,578,382	8,013,687	16,805,915	9,272,200	11,762,833	71,697,768
2027	1,553,779	2,900,275	8,558,756	10,467,873	2,593,903	8,117,554	16,969,309	9,366,910	11,866,737	72,395,096
2028	1,565,600	2,916,773	8,654,514	10,564,197	2,609,640	8,223,611	17,136,283	9,463,728	11,972,663	73,107,009
2029	1,577,656	2,933,555	8,752,423	10,662,402	2,625,600	8,331,886	17,306,952	9,562,655	12,080,651	73,833,780
2030	1,589,955	2,950,640	8,852,262	10,762,504	2,641,783	8,442,461	17,481,395	9,663,832	12,190,743	74,575,575
2031	1,602,473	2,968,034	8,954,397	10,864,560	2,658,199	8,555,380	17,659,701	9,767,271	12,302,994	75,333,009
2032	1,615,433	2,985,749	9,058,884	10,967,871	2,674,843	8,670,699	17,841,981	9,873,045	12,417,442	76,105,947
2033	1,628,664	3,003,794	9,165,801	11,073,192	2,691,724	8,788,471	18,028,326	9,981,206	12,534,142	76,895,320
2034	1,642,158	3,022,181	9,275,195	11,180,559	2,708,846	8,908,778	18,218,848	10,091,811	12,653,132	77,701,508
2035	1,655,936	3,040,914	9,387,147	11,290,031	2,726,216	9,031,678	18,413,640	10,204,925	12,774,483	78,524,970
2036	1,669,998	3,060,000	9,501,728	11,401,654	2,743,831	9,157,227	18,612,819	10,320,620	12,898,239	79,366,116
2037	1,684,335	3,079,458	9,619,002	11,515,469	2,761,702	9,285,489	18,816,486	10,438,955	13,024,448	80,225,344
2038	1,699,187	3,099,288	9,739,045	11,631,521	2,779,831	9,416,540	19,024,751	10,560,013	13,153,159	81,103,335
2039	1,714,352	3,119,509	9,861,930	11,749,869	2,798,221	9,550,456	19,237,748	10,683,868	13,284,445	82,000,398
2040	1,729,836	3,140,302	9,987,747	11,870,549	2,816,875	9,687,286	19,455,576	10,810,593	13,418,352	82,917,116

*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										
2007	1,840,704	4,253,657	13,375,218	18,209,194	4,830,691	11,951,299	24,924,809	14,566,023	19,716,769	113,668,364
2008	1,786,547	5,022,783	12,545,904	17,348,797	4,524,823	11,699,088	24,651,669	14,340,732	18,891,338	110,811,681
2009	1,660,471	4,777,805	11,730,472	16,665,700	4,120,734	11,196,384	23,032,003	13,779,597	17,297,380	104,260,546
2010	1,668,257	4,659,989	11,556,278	16,338,713	4,006,733	10,892,669	22,443,234	13,477,225	16,500,094	101,543,192
Forecast										
2011	1,672,852	4,668,590	11,402,375	16,153,206	3,941,835	10,855,702	22,475,871	13,428,569	16,399,035	100,998,035
2012	1,672,723	4,647,556	11,390,567	15,887,490	3,868,078	10,879,851	22,486,859	13,496,045	16,296,191	100,625,360
2013	1,681,614	4,666,616	11,500,894	15,965,075	3,878,726	11,002,384	22,645,040	13,598,134	16,406,444	101,344,927
2014	1,690,290	4,691,236	11,617,603	16,104,688	3,897,205	11,136,655	22,828,845	13,709,631	16,535,927	102,212,080
2015	1,699,449	4,718,788	11,735,989	16,221,734	3,918,461	11,277,282	23,019,605	13,823,258	16,669,889	103,084,455
2016	1,708,922	4,744,554	11,856,559	16,333,355	3,939,298	11,409,871	23,207,370	13,934,490	16,802,648	103,937,067
2017	1,718,708	4,760,058	11,954,210	16,433,717	3,953,556	11,530,323	23,374,154	14,040,125	16,907,477	104,672,328
2018	1,728,799	4,775,784	12,052,952	16,535,747	3,968,005	11,653,041	23,545,117	14,147,606	17,014,120	105,421,171
2019	1,739,057	4,791,751	12,153,667	16,639,365	3,982,647	11,777,829	23,714,138	14,257,090	17,122,637	106,178,181
2020	1,749,495	4,807,948	12,256,808	16,744,692	3,997,485	11,905,004	23,886,654	14,368,552	17,233,052	106,949,690
2021	1,760,145	4,824,400	12,361,209	16,851,548	4,012,526	12,034,160	24,062,743	14,482,259	17,345,391	107,734,381
2022	1,770,985	4,841,115	12,468,152	16,960,226	4,027,757	12,165,696	24,242,511	14,594,227	17,459,708	108,530,377
2023	1,781,981	4,858,083	12,577,239	17,070,757	4,043,196	12,299,785	24,426,017	14,708,461	17,576,057	109,341,576
2024	1,793,216	4,875,318	12,688,578	17,182,966	4,058,842	12,436,636	24,613,349	14,825,073	17,694,467	110,168,445
2025	1,804,759	4,892,829	12,802,195	17,297,117	4,074,705	12,576,126	24,804,609	14,944,170	17,814,976	111,011,486
2026	1,816,560	4,910,617	12,918,153	17,413,617	4,090,780	12,718,475	24,999,917	15,065,769	17,937,635	111,871,523
2027	1,828,556	4,928,690	13,036,519	17,532,229	4,107,072	12,863,780	25,199,352	15,189,931	18,062,478	112,748,607
2028	1,840,813	4,947,067	13,157,357	17,653,016	4,123,587	13,012,106	25,402,983	15,316,745	18,189,571	113,643,245
2029	1,853,305	4,965,739	13,280,708	17,776,051	4,140,327	13,163,500	25,610,949	15,446,215	18,318,952	114,555,746
2030	1,866,042	4,984,729	13,406,084	17,901,376	4,157,293	13,318,081	25,823,339	15,578,511	18,450,669	115,486,124
2031	1,879,000	5,004,046	13,534,134	18,029,034	4,174,499	13,475,901	26,040,252	15,713,639	18,584,778	116,435,283
2032	1,892,403	5,023,702	13,664,929	18,158,322	4,191,937	13,637,045	26,261,815	15,851,689	18,721,321	117,403,163
2033	1,906,078	5,043,701	13,798,544	18,290,017	4,209,613	13,801,598	26,488,138	15,992,729	18,860,357	118,390,775
2034	1,920,019	5,064,063	13,935,034	18,424,172	4,227,535	13,969,657	26,719,342	16,136,828	19,001,935	119,398,585
2035	1,934,245	5,084,786	14,074,494	18,560,834	4,245,708	14,141,320	26,955,546	16,284,061	19,146,116	120,427,110
2036	1,948,758	5,105,875	14,216,992	18,700,051	4,264,129	14,316,661	27,196,870	16,434,505	19,292,956	121,476,797
2037	1,963,548	5,127,353	14,362,607	18,841,886	4,282,812	14,495,777	27,443,438	16,588,250	19,442,499	122,548,170
2038	1,978,855	5,149,220	14,511,415	18,986,389	4,301,758	14,678,774	27,695,379	16,745,388	19,594,799	123,641,977
2039	1,994,475	5,171,498	14,663,512	19,133,631	4,320,972	14,865,746	27,952,829	16,905,999	19,749,929	124,758,591
2040	2,010,416	5,194,384	14,818,982	19,283,656	4,340,454	15,056,798	28,215,914	17,070,178	19,907,951	125,898,733

*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										
2007	404,681	1,648,680	7,032,229	6,890,903	1,616,990	3,158,781	11,421,612	5,760,144	7,440,522	45,374,542
2008	384,103	1,620,660	6,713,384	6,469,241	1,551,246	3,175,723	10,941,722	6,116,483	7,212,438	44,185,000
2009	352,795	1,395,449	5,943,744	5,717,290	1,476,090	2,993,636	9,679,397	5,216,955	6,597,751	38,373,107
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
Forecast										
2011	372,753	1,313,121	5,935,900	5,465,377	1,467,058	2,932,576	9,476,742	5,316,833	6,019,093	38,299,453
2012	379,288	1,288,429	5,877,361	5,287,374	1,428,026	2,894,700	9,412,706	5,322,001	5,986,571	37,876,456
2013	383,319	1,307,426	5,968,119	5,338,219	1,438,996	2,943,199	9,543,557	5,393,817	6,073,272	38,389,924
2014	387,144	1,332,587	6,067,818	5,454,892	1,458,717	3,003,035	9,705,646	5,476,568	6,180,807	39,067,214
2015	391,368	1,360,485	6,171,190	5,548,873	1,481,422	3,067,707	9,874,680	5,561,347	6,292,340	39,749,412
2016	395,817	1,386,449	6,275,867	5,637,708	1,503,560	3,125,978	10,039,082	5,642,326	6,402,194	40,408,981
2017	400,465	1,401,410	6,353,750	5,712,057	1,518,206	3,169,966	10,177,137	5,714,760	6,484,855	40,932,606
2018	405,350	1,416,618	6,432,501	5,787,827	1,533,075	3,214,827	10,319,001	5,788,440	6,569,140	41,466,779
2019	410,325	1,432,059	6,512,894	5,864,935	1,548,127	3,260,533	10,457,755	5,863,438	6,654,984	42,005,050
2020	415,428	1,447,756	6,595,131	5,943,526	1,563,422	3,307,171	10,599,553	5,939,804	6,742,509	42,554,300
2021	420,661	1,463,730	6,679,213	6,023,655	1,578,940	3,354,742	10,744,487	6,017,739	6,831,777	43,114,944
2022	426,001	1,479,969	6,765,136	6,105,243	1,594,665	3,403,240	10,892,457	6,093,231	6,922,749	43,682,691
2023	431,448	1,496,480	6,853,003	6,188,434	1,610,639	3,452,720	11,043,713	6,170,391	7,015,529	44,262,357
2024	437,066	1,513,288	6,942,889	6,273,252	1,626,848	3,503,209	11,198,309	6,249,268	7,110,142	44,854,271
2025	442,921	1,530,398	7,034,858	6,359,738	1,643,317	3,554,713	11,356,385	6,329,916	7,206,656	45,458,902
2026	448,964	1,547,816	7,128,954	6,447,942	1,660,029	3,607,274	11,518,002	6,412,361	7,305,118	46,076,460
2027	455,120	1,565,548	7,225,215	6,537,883	1,677,010	3,660,903	11,683,226	6,496,657	7,405,542	46,707,104
2028	461,463	1,583,606	7,323,730	6,629,616	1,694,248	3,715,645	11,852,182	6,582,850	7,508,002	47,351,342
2029	467,965	1,601,997	7,424,558	6,723,186	1,711,758	3,771,493	12,024,953	6,670,986	7,612,546	48,009,442
2030	474,633	1,620,723	7,527,742	6,818,614	1,729,539	3,828,502	12,201,608	6,761,128	7,719,195	48,681,684
2031	481,446	1,639,807	7,633,368	6,915,988	1,747,602	3,886,676	12,382,286	6,853,338	7,828,030	49,368,541
2032	488,621	1,659,252	7,741,506	7,015,306	1,765,949	3,946,062	12,567,070	6,947,657	7,939,070	50,070,493
2033	495,987	1,679,079	7,852,231	7,116,618	1,784,591	4,006,666	12,756,090	7,044,153	8,052,380	50,787,795
2034	503,527	1,699,282	7,965,585	7,219,979	1,803,523	4,068,544	12,949,435	7,142,884	8,167,996	51,520,755
2035	511,270	1,719,884	8,081,689	7,325,463	1,822,769	4,131,707	13,147,248	7,243,913	8,285,999	52,269,942
2036	519,210	1,740,887	8,200,580	7,433,084	1,842,323	4,196,189	13,349,620	7,347,285	8,406,431	53,035,609
2037	527,341	1,762,314	8,322,367	7,542,920	1,862,191	4,262,045	13,556,685	7,453,075	8,529,342	53,818,280
2038	535,903	1,784,166	8,447,126	7,655,019	1,882,392	4,329,283	13,768,575	7,561,382	8,654,792	54,618,638
2039	544,693	1,806,464	8,574,940	7,769,448	1,902,918	4,397,957	13,985,444	7,672,256	8,782,864	55,436,984
2040	553,715	1,829,461	8,705,915	7,886,262	1,923,781	4,468,090	14,207,398	7,785,764	8,913,613	56,273,999

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										
2007	4,405,409	18,151,719	122,470,390	108,193,575	23,721,439	66,185,320	172,000,918	84,362,198	157,034,497	756,525,465
2008	4,552,929	17,659,921	120,978,643	104,615,875	22,825,924	67,655,054	173,150,595	83,876,703	152,151,154	747,466,798
2009	4,080,777	15,995,661	114,862,240	95,252,271	21,045,102	64,247,237	162,630,578	78,991,808	138,382,900	695,488,574
2010	4,155,995	15,971,620	115,545,243	96,791,104	21,191,598	65,439,322	162,701,829	79,710,952	140,359,931	701,867,594
Forecast										
2011	4,317,078	16,199,842	118,439,487	97,321,398	22,297,595	66,370,960	167,618,745	81,200,891	143,163,813	716,929,809
2012	4,302,131	15,918,359	119,383,293	96,359,347	21,413,032	65,984,550	169,311,302	82,517,430	143,774,895	718,964,339
2013	4,368,312	16,393,586	123,065,238	98,319,452	21,674,388	67,996,388	174,699,216	84,772,500	147,540,382	738,829,462
2014	4,428,143	17,082,936	127,004,975	102,559,596	22,232,536	70,317,088	180,757,993	87,489,586	152,420,054	764,292,907
2015	4,495,352	17,918,149	131,051,894	106,082,030	22,872,396	72,917,627	186,945,955	90,413,750	157,281,966	789,979,119
2016	4,565,941	18,697,195	135,124,653	109,231,437	23,497,571	75,246,082	192,946,051	93,309,559	162,067,972	814,686,461
2017	4,642,927	19,117,893	138,485,779	111,729,294	23,929,531	77,009,274	197,820,818	95,898,259	165,913,297	834,547,072
2018	4,721,492	19,548,736	141,910,957	114,293,160	24,370,551	78,817,200	202,832,126	98,551,585	169,859,320	854,905,127
2019	4,801,670	19,989,964	145,439,914	116,925,091	24,820,835	80,665,469	207,984,142	101,272,423	173,908,825	875,808,333
2020	4,883,487	20,442,058	149,076,138	119,627,286	25,280,595	82,559,841	213,281,210	104,063,324	178,064,712	897,278,651
2021	4,966,996	20,904,892	152,823,216	122,402,013	25,750,041	84,499,617	218,727,795	106,934,214	182,329,942	919,338,726
2022	5,052,216	21,379,215	156,684,908	125,251,633	26,229,405	86,488,545	224,328,531	109,663,666	186,707,555	941,785,674
2023	5,139,203	21,865,402	160,665,113	128,178,574	26,718,914	88,528,001	230,088,171	112,475,813	191,200,697	964,859,888
2024	5,227,979	22,363,818	164,767,835	131,185,375	27,218,806	90,619,929	236,011,670	115,373,461	195,812,596	988,581,469
2025	5,318,597	22,874,898	168,997,209	134,274,632	27,729,320	92,765,279	242,104,137	118,359,540	200,546,552	1,012,970,164
2026	5,411,090	23,398,809	173,357,558	137,449,403	28,250,707	94,965,514	248,370,861	121,436,961	205,406,038	1,038,046,941
2027	5,505,494	23,936,229	177,853,354	140,712,564	28,783,220	97,222,173	254,817,286	124,608,885	210,394,542	1,063,833,747
2028	5,601,863	24,487,591	182,489,217	144,067,061	29,327,120	99,536,811	261,449,051	127,878,490	215,515,701	1,090,352,905
2029	5,700,231	25,053,373	187,269,951	147,516,018	29,882,677	101,911,060	268,272,000	131,249,090	220,773,226	1,117,627,626
2030	5,800,652	25,634,058	192,200,524	151,062,664	30,450,151	104,346,588	275,292,163	134,724,084	226,170,983	1,145,681,867
2031	5,903,166	26,230,164	197,286,075	154,710,350	31,029,836	106,845,089	282,515,793	138,307,080	231,712,924	1,174,540,477
2032	6,007,818	26,842,206	202,531,949	158,462,564	31,622,011	109,408,351	289,949,353	142,001,781	237,403,126	1,204,229,159
2033	6,114,661	27,470,723	207,943,687	162,322,961	32,226,981	112,038,200	297,599,528	145,812,002	243,245,784	1,234,774,527
2034	6,223,744	28,116,276	213,527,010	166,295,326	32,845,033	114,736,499	305,473,228	149,741,727	249,245,217	1,266,204,060
2035	6,335,112	28,779,460	219,287,868	170,383,619	33,476,485	117,505,211	313,577,606	153,795,067	255,405,865	1,298,546,293
2036	6,448,816	29,460,880	225,232,421	174,591,962	34,121,658	120,346,317	321,920,059	157,976,283	261,732,325	1,331,830,721
2037	6,564,911	30,161,175	231,367,047	178,924,648	34,780,870	123,261,884	330,508,233	162,289,804	268,229,292	1,366,087,864
2038	6,683,449	30,880,997	237,698,375	183,386,169	35,454,466	126,254,041	339,350,064	166,740,212	274,901,643	1,401,349,416
2039	6,804,492	31,621,025	244,233,264	187,981,213	36,142,782	129,324,959	348,453,754	171,332,247	281,754,369	1,437,648,105
2040	6,928,095	32,381,983	250,978,833	192,714,641	36,846,165	132,476,913	357,827,797	176,070,849	288,792,636	1,475,017,912

*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										
2007	5,336	10,719	19,019	32,573	7,402	25,489	36,312	25,212	38,002	200,064
2008	4,606	9,595	17,073	29,749	7,027	23,002	32,504	20,853	31,631	176,040
2009	4,600	9,707	16,727	29,389	7,077	23,453	32,692	22,096	32,134	177,875
2010	4,382	8,952	15,589	27,620	6,285	22,427	30,874	20,432	29,299	165,860
Forecast										
2011	4,411	8,997	15,689	27,802	6,340	23,085	31,101	20,616	29,567	167,608
2012	4,441	9,056	15,833	28,029	6,399	23,346	31,385	20,848	29,903	169,240
2013	4,471	9,116	15,946	28,219	6,458	23,571	31,637	21,040	30,175	170,633
2014	4,500	9,164	16,061	28,419	6,519	23,788	31,890	21,245	30,456	172,042
2015	4,530	9,218	16,159	28,605	6,572	24,029	32,132	21,454	30,745	173,444
2016	4,561	9,286	16,293	28,822	6,634	24,281	32,439	21,684	31,050	175,050
2017	4,591	9,336	16,399	29,018	6,700	24,503	32,699	21,908	31,343	176,497
2018	4,622	9,399	16,533	29,238	6,762	24,761	32,988	22,120	31,638	178,061
2019	4,654	9,449	16,657	29,448	6,826	24,986	33,258	22,332	31,951	179,561
2020	4,683	9,503	16,772	29,652	6,893	25,221	33,529	22,533	32,249	181,035
2021	4,717	9,564	16,903	29,864	6,963	25,493	33,832	22,780	32,556	182,672
2022	4,751	9,621	17,034	30,083	7,026	25,741	34,126	23,001	32,878	184,261
2023	4,785	9,692	17,167	30,306	7,100	26,006	34,448	23,251	33,225	185,980
2024	4,821	9,754	17,293	30,515	7,170	26,250	34,762	23,481	33,548	187,594
2025	4,853	9,818	17,408	30,729	7,239	26,494	35,055	23,716	33,876	189,188
2026	4,886	9,880	17,525	30,939	7,309	26,733	35,348	23,952	34,207	190,779
2027	4,920	9,944	17,647	31,152	7,379	26,974	35,648	24,192	34,541	192,397
2028	4,954	10,007	17,770	31,365	7,449	27,215	35,948	24,431	34,881	194,020
2029	4,988	10,074	17,889	31,586	7,522	27,453	36,255	24,678	35,227	195,672
2030	5,023	10,139	18,013	31,802	7,595	27,698	36,571	24,940	35,576	197,357
2031	5,058	10,205	18,140	32,021	7,667	27,945	36,888	25,202	35,926	199,052
2032	5,094	10,270	18,264	32,236	7,740	28,193	37,206	25,467	36,279	200,749
2033	5,130	10,338	18,390	32,461	7,815	28,447	37,538	25,735	36,636	202,490
2034	5,166	10,404	18,516	32,681	7,891	28,709	37,866	26,013	36,999	204,245
2035	5,204	10,474	18,646	32,904	7,967	28,978	38,209	26,303	37,373	206,058
2036	5,242	10,542	18,774	33,130	8,044	29,248	38,556	26,597	37,752	207,885
2037	5,281	10,613	18,909	33,360	8,123	29,526	38,916	26,904	38,134	209,766
2038	5,320	10,685	19,043	33,600	8,204	29,804	39,277	27,212	38,523	211,668
2039	5,359	10,761	19,178	33,838	8,290	30,088	39,654	27,529	38,917	213,614
2040	5,399	10,839	19,317	34,081	8,380	30,386	40,043	27,854	39,317	215,616

*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 is 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 takeoffs 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.

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 MARSHAL	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
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 29 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
PDX	ANM	PORTLAND INTL	PORTLAND, OR
PIT	AEA	PITTSBURGH INTL	PITTSBURGH, PA
PVD	ANE	THEODORE FRANCIS GREEN STATE	PROVIDENCE, RI
RDU	ASO	RALEIGH-DURHAM INTL	RALEIGH/DURHAM, NC
RNO	AWP	RENO/TAHOE INTL	RENO, NV
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
TUS	AWP	TUCSON INTL	TUCSON, AZ

Listed 36 Airports.

Table B-3.
List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
ABE	AEA	LEHIGH VALLEY INTL	ALLENTOWN, PA
ACY	AEA	ATLANTIC CITY INTL	ATLANTIC CITY, NJ
ALB	AEA	ALBANY INTL	ALBANY, NY
AMA	ASW	RICK HUSBAND AMARILLO INTL	AMARILLO, TX
AVL	ASO	ASHEVILLE RGNL	ASHEVILLE, NC
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	GALLATIN FIELD	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
ELP	ASW	EL PASO INTL	EL PASO, TX
EUG	ANM	MAHLON SWEET FIELD	EUGENE, OR
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
GRB	AGL	AUSTIN STRAUBEL INTL	GREEN BAY, WI
GRR	AGL	GERALD R. FORD INTL	GRAND RAPIDS, MI
GSN	AWP	FRANCISCO C. ADA/SAIPAN INTL	SAIPAN ISLAND, CQ
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
HRL	ASW	VALLEY INTL	HARLINGEN, TX
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-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
LIH	AWP	LIHUE	LIHUE, HI
LIT	ASW	ADAMS FIELD	LITTLE ROCK, AR
MAF	ASW	MIDLAND INTL	MIDLAND, TX

Table B-3.
List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
MDT	AEA	HARRISBURG INTL	HARRISBURG, PA
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
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
PHF	AEA	NEWPORT NEWS/WILLIAMSBURG INTL	NEWPORT NEWS, VA
PIE	ASO	ST PETERSBURG-CLEARWATER INTL	ST PETERSBURG-CLEARWATER, FL
PNS	ASO	PENSACOLA GULF COAST RGNL	PENSACOLA, FL
PSP	AWP	PALM SPRINGS INTL	PALM SPRINGS, CA
PWM	ANE	PORTLAND INTL JETPORT	PORTLAND, ME
RIC	AEA	RICHMOND INTL	RICHMOND, VA
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
TYS	ASO	MC GHEE TYSON	KNOXVILLE, TN
XNA	ASW	NORTHWEST ARKANSAS RGNL	FAYETTEVILLE/SPRINGDALE/, AR

Listed 76 Airports.

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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	ANDREWS AFB	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
AVP	AEA	WILKES-BARRE/SCRANTON INTL	WILKES-BARRE/SCRANTON, PA
AZO	AGL	KALAMAZOO/BATTLE CREEK INTL	KALAMAZOO, MI
BAF	ANE	BARNES MUNI	WESTFIELD/SPRINGFIELD, MA
BAK	AGL	COLUMBUS MUNI	COLUMBUS, IN
BAZ	ASW	NEW BRAUNFELS MUNI	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
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
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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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	CRAIG MUNI	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 METROPOLITAN	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
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
ECP	ASO	NORTHWEST FLORIDA BEACHES INTL	PANAMA CITY, FL
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
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FAY	ASO	FAYETTEVILLE RGNL/GRANNIS FIELD	FAYETTEVILLE, NC
FCM	AGL	FLYING CLOUD	MINNEAPOLIS, MN
FFZ	AWP	FALCON FLD	MESA, AZ

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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	MID DELTA RGNL	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
GTF	ANM	GREAT FALLS INTL	GREAT FALLS, MT
GTR	ASO	GOLDEN TRIANGLE RGNL	COLUMBUS/W POINT/STARKVILLE , MS
GTU	ASW	GEORGETOWN MUNI	GEORGETOWN, 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	MANASSAS, VA
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
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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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
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	KLAMATH FALLS	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	MERCED, CA
MFD	AGL	MANSFIELD LAHM RGNL	MANSFIELD, OH
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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
MHR	AWP	SACRAMENTO MATHER	SACRAMENTO, CA
MIC	AGL	CRYSTAL	MINNEAPOLIS, MN
MIE	AGL	DELAWARE COUNTY RGNL	MUNCIE, IN
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 PENINSULA	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
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 RGNL/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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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 MUNI	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 FIELD	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 RGNL	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	ST AUGUSTINE	ST AUGUSTINE, FL
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 MUNI	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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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
VBG	AWP	VANDENBERG AFB	LOMPOC , CA
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 FIELD	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 372 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	BARNES MUNI	WESTFIELD/SPRINGFIELD, MA
BAK	AGL	COLUMBUS MUNI	COLUMBUS, IN
BAZ	ASW	NEW BRAUNFELS MUNI	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
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	GALLATIN FIELD	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	CRAIG MUNI	JACKSONVILLE, FL
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
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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
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
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	MID DELTA RGNL	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, CQ
GTR	ASO	GOLDEN TRIANGLE RGNL	COLUMBUS/W POINT/STARKVILLE , MS
GTU	ASW	GEORGETOWN MUNI	GEORGETOWN, TX
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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
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
LMT	ANM	KLAMATH FALLS	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	MERCED, 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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
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
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
PIH	ANM	POCATELLO RGNL	POCATELLO, ID
PKB	AEA	MID-OHIO VALLEY RGNL	PARKERSBURG, WV
PMD	AWP	PALMDALE RGNL/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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
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	ST AUGUSTINE	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 MUNI	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
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
VBG	AWP	VANDENBERG AFB	LOMPOC , CA
VCT	ASW	VICTORIA RGNL	VICTORIA, TX
VCV	AWP	SOUTHERN CALIFORNIA LOGISTICS	VICTORVILLE, CA
VQQ	ASO	CECIL FIELD	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 249 Airports.