Federal Aviation Administration

Terminal Area Forecast Summary

Fiscal Years 2012 - 2040

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Preface

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

The Terminal Area Forecast (TAF) includes forecasts for active airports in the National Plan of Integrated Airport Systems (NPIAS). The Federal Aviation Administration's (FAA) Forecast and Performance Analysis Division, Office of Aviation Policy and Plans, develops the TAF. As its primary input, the TAF initially used the national forecasts of aviation activity contained in *FAA Aerospace Forecasts, Fiscal Years 2012-2032*. The final TAF considers the forecasts and assumptions contained in *FAA Aerospace Forecasts, Fiscal Years 2013-2033*. The tables for the national forecasts can be found at http://www.faa.gov/data_statistics/aviation/aerospace_forecasts/2013-2033/.

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 2011) and forecast (2012 to 2040) aviation activity data by individual airport, state, or FAA region.

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

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Acknowledgments

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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 721.4 million passengers were enplaned at U.S. airports in 2011; FAA and Federal contract towered airports accounted for 717.0 million enplanements.

- The top 100 air carrier airports accounted for 678.7 million enplanements in 2011, or 94 percent of total U.S. enplanements.

- FAA towers handled 36.8 million operations (takeoffs and landings) in 2011, including 20.5 million commercial aircraft operations.

- FAA contract towers handled 14.1 million operations in 2011, including 1.7 million commercial operations.

- The Core airports[1] enplaned 510.9 million passengers in 2011. These airports are projected to enplane 982.5 million passengers in 2040, a 92.3 percent increase over the forecast period (or 2.3 percent annually).

- The 29 large hub airports[2] enplaned 506.4 million passengers in 2011. These airports are projected to enplane 977.8 million passengers in 2040, a 93.1 percent increase over the 29-year period (or 2.3 percent annually).

- The 35 medium hub airports[3] recorded 130.5 million enplanements in 2011. These airports are projected to enplane 237.2 million passengers in 2040, an 81.7 percent increase over the 29-year period (or 2.1 percent annually).

- Atlanta (44.1 million enplanements), Chicago O'Hare (31.8 million), Los Angeles (30.0 million), Dallas/Ft.Worth (27.4 million), and Denver (25.6 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 75.8 million enplaned passengers in 2040. John F. Kennedy is projected to enplane the second most passengers (61.3 million) in 2040, followed by Chicago O'Hare with 60.7 million enplanements.

- Enplanements at John F. Kennedy, Orlando, and Houston Intercontinental airports are projected to grow fastest among the Core airports. The annual growth rates at these airports are forecast to increase by 3.4, 3.2, and 3.2 percent per year, respectively, over the forecast period.

- In terms of total operations, Atlanta was the busiest U.S. airport in 2011 with 930,000 aircraft operations. Chicago O'Hare and Dallas/Ft. Worth were the second and third busiest airports with 884,000 and 651,000 operations, respectively.

- In 2040, Chicago O'Hare is expected to be the busiest airport in the nation, as measured by total operations, with a pro-

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

jected 1.38 million operations. Atlanta (1.36 million operations) is projected to drop into second place. Houston Intercontinental (990.9 thousand operations) is projected to move into third place and Dallas/Ft. Worth (965.8 thousand operations) is projected to drop into fourth place.

- The FAA's Southern region airports enplaned more passengers than any other region with 168.7 million passengers in 2011, or 23 percent of U.S. enplanements. The Western Pacific region was second with 144.3 million enplanements, or 20 percent of the total.

- The Southern region is expected to lead in passenger enplanements in 2040, reaching 328.2 million. The Western Pacific region is projected to stay in second place with 277.5 million enplanements.

- The Southern region led all FAA regions in the number of airport operations with 22.4 million in 2011. The Southern region is expected to remain first in 2040 with 27.0 million operations. The Western Pacific and Great Lakes regions ran second and third in airport operations in 2011 with 16.4 and 15.9 million, respectively. In 2040, the Western Pacific region is projected to remain in second place with 19.6 million operations and the Great Lakes region is projected to remain in third place with 18.6 million operations.

Forecast Process

Introduction

The Terminal Area Forecast (TAF) contains historical and forecast data for enplanements, airport operations, tracon operations, and based aircraft. The data cover 264 FAA towered airports, 250 Federal contract tower airports, 31 terminal radar approach control facilities, and 2,821 non-FAA airports. Data in the TAF are presented on a U.S. Government fiscal year basis (October through September).

The TAF is available on the Internet. The TAF model and TAF database 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 2011 and forecasts for 2012 to 2040.[4] The historical enplanement information in the TAF model is from 1976 through 2011 and the 2012 figures represent estimates. The enplanement forecasts are from 2013 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.

[4] Operations data for FAA towers and Federal contract towers for 2012 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 2013-2033*. 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. In addition, the TAF includes enplanements at U.S. airports only, whereas the national forecast includes enplanements on U.S. airlines at both U.S. and foreign airports. Finally, individual forecasts are not scaled to force aggregates to equal national totals.

Data Sources

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

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

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

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

TAF and National Forecast Totals

Near-Term Forecasts

In 2012 actual total operations at FAA and contract towers declined 0.7 percent; commercial operations decreased 1.3 percent whereas non-commercial operations decreased 0.3 percent. Total enplanements at all airports were estimated to increase 0.5 percent in 2012.

In 2013 total operations at towers are forecast to decline 0.3 percent. This forecast decline in total operations at FAA and contract towers is attributable to forecast decreases in air taxi/commuter (1.9 percent) and itinerant general aviation operations (0.9 percent). Total enplanements at all airports are forecast to decrease 0.9 percent in 2013.

National Forecast Trends

Trends at individual airports reflect to varying degrees national aviation trends as well as the dynamics at individual airports. The national forecasts for FAA and contract towered airports in *FAA Aerospace Forecasts, Fiscal Years 2013 – 2033* show aircraft operations growing at an average annual rate of 0.9 percent over the 21-year forecast period. Average annual growth rates for this period by user group are as follows: air carrier, 2.5 percent; air taxi/commuter, -0.2 percent; itinerant general aviation, 0.4 percent; and local civil 0.5 percent. The projected average annual rate of increase for enplanements on U.S. mainline and regional carriers from the national forecast is 2.1 percent over the 21-year forecast period.

Trends by Region

There are 264 FAA towers and 250 Federal contract towers in the TAF. California had the most FAA towers with 33, followed by Texas with 19 and Florida with 18. Regions with the most FAA towers were Southern with 51, Great Lakes with 48, and Western Pacific with 46. Table S-3 presents the number of FAA and Federal contract towers by region and state.

Tables S-6 through S-11 summarize airport operations, tracon operations, enplanements, and based aircraft by region from 2008 through 2040. The Southern (22.4 million operations), Western Pacific (16.4 million), and Great Lakes (15.9 million) regions ranked as the top three FAA regions in airport operations in 2011. Operations for all TAF airports totaled 100.2 million. The Northwest Mountain and Eastern regions are projected to be the fastest growing FAA regions from 2011 to 2040 in terms of airport operations, increasing 34 percent and 25 percent, respectively.

The Southern region led FAA regions in passengers enplaned with 168.7 million in 2011, followed by the Western Pacific region with 144.3 million passengers. Enplanements in the Southwest region are projected to increase the most in percentage terms increasing 98 percent from 2011 to 2040. The next two regions with the fastest projected increase in enplanements are Southern (95 percent) and Eastern (93 percent).

In 2011, there was a national total of 160,700 based aircraft. Southern (29,300 aircraft),

Western Pacific (28,300), and Great Lakes (26,800) 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 506.4 million passengers in 2011 while the 35 medium and 74 small hub airports enplaned 130.5 and 60.6 million passengers, respectively. The 376 non-hub airports enplaned 19.5 million passengers. Enplanements at large hubs are expected to increase at an annual rate of 2.3 percent over the 2011 to 2040 forecast period. Medium and small hub airports are forecast to increase 2.1 percent and 2.0 percent annually, respectively, during the forecast period.

Operations at large hub airports totaled 12.6 million compared to 5.6 million and 6.9 million at medium and small hub airports, respectively. Operations at large hub airports are forecast to increase at an annual rate of 1.6 percent from 2011 to 2040, growing to 19.7 million. Operations at the medium hubs are forecast to rise at an annual rate of 1.2 percent from 2011 to 2040; aircraft operations at small hub airports are forecast to grow 0.7 percent per year.

Non-hub airports accounted for 25.8 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 2011 (44.1 million enplanements), followed by Chicago O'Hare (31.8 million), Los Angeles (30.0 million), and Dallas/Ft. Worth (27.4 million). Chicago O'Hare and Los Angeles are forecast to have the strongest growth in enplanements among the top four airports, increasing at annual rates of 2.3 percent and 2.2 percent, respectively, over the 2011 to 2040 forecast period. Dallas/Ft. Worth and Atlanta are forecast to increase 2.0 percent and 1.9 percent, respectively. Graph S-1 shows relative enplanements growth over the next 29 years. The five airports with the fastest projected increase are John F. Kennedy, Orlando, Houston Intercontinental, Washington Dulles, and Chicago Midway.

Orlando is projected to make the largest upward movement in ranking of enplanements, going from 13th to 7th. 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 2011, FAA controllers at Atlanta handled 930,000 landings and takeoffs, followed by Chicago O'Hare, which totaled 884,000 operations. The next busiest airports were Dallas/Ft. Worth and Denver with 651,000 and 642,000 airport operations, respectively.

In 2040, Chicago O'Hare is projected to have the largest number of operations with 1.38 million followed by Atlanta with 1.36 million. Houston Intercontinental is projected to move into 3rd place in 2040 with 990.9 thousand operations and Dallas/Ft. Worth is projected to drop into 4th place with 965.8 thousand operations.

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

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

Loc ID	Reg	Airport Name	2011	2011* Percent	2012	2016	2040	Rate** 2011-2040	Airport Ranking 2011	Airport Ranking 2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	44,064	6.10	44,449	47,874	75,843	1.89	1	1
ORD	AGL	CHICAGO O'HARE INTL	31,773	4.40	31,959	34,433	60,749	2.26	2	3
LAX	AWP	LOS ANGELES INTL	29,977	4.15	30,626	32,582	56,245	2.19	3	4
DFW	ASW	DALLAS/FORT WORTH INTL	27,440	3.80	27,557	29,601	48,182	1.96	4	6
DEN	ANM	DENVER INTL	25,578	3.54	25,259	26,090	38,807	1.44	5	11
JFK	AEA	JOHN F KENNEDY INTL	23,403	3.24	23,967	27,593	61,253	3.37	6	2
SFO	AWP	SAN FRANCISCO INTL	19,794	2.74	20,938	22,731	36,848	2.16	7	12
PHX	AWP	PHOENIX SKY HARBOR INTL	19,670	2.72	19,381	20,417	41,443	2.60	8	9
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	19,510	2.70	19,356	21,268	48,488	3.18	9	5
LAS	AWP	MC CARRAN INTL	19,466	2.69	19,763	20,320	41,694	2.66	10	8
CLT	ASO	CHARLOTTE/DOUGLAS INTL	19,125	2.65	19,635	22,674	40,380	2.61	11	10
MIA	ASO	MIAMI INTL	17,769	2.46	18,423	19,290	36,435	2.50	12	13
MCO	ASO	ORLANDO INTL	17,265	2.39	17,155	18,543	42,962	3.19	13	7
EWR	AEA	NEWARK LIBERTY INTL	16,656	2.30	17,073	17,944	32,229	2.30	14	14
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	15,838	2.19	15,750	17,053	26,902	1.84	15	17
SEA	ANM	SEATTLE-TACOMA INTL	15,834	2.19	16,136	17,121	28,457	2.04	16	15
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	15,703	2.17	15,579	15,742	24,043	1.47	17	19
PHL	AEA	PHILADELPHIA INTL	14,948	2.07	14,539	15,615	28,030	2.19	18	16
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	14,091	1.95	14,067	14,052	22,606	1.64	19	21
LGA	AEA	LA GUARDIA	12,020	1.66	12,531	13,445	16,302	1.05	20	27
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	11,337	1.57	11,317	12,257	23,732	2.58	21	20
IAD	AEA	WASHINGTON DULLES INTL	11,082	1.53	10,918	12,152	24,673	2.79	22	18
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHAL	11,053	1.53	11,043	11,218	22,027	2.40	23	22
SLC	ANM	SALT LAKE CITY INTL	9,794	1.35	9,489	10,125	20,071	2.50	24	23
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	9,070	1.25	9,155	10,028	12,733	1.17	25	29
MDW	AGL	CHICAGO MIDWAY INTL	8,935	1.23	9,354	9,928	19,368	2.70	26	24
HNL	AWP	HONOLULU INTL	8,599	1.19	9,091	10,125	14,238	1.75	27	28
SAN	AWP	SAN DIEGO INTL	8,404	1.16	8,593	9,363	16,671	2.39	28	25
TPA	ASO	TAMPA INTL	8,162	1.13	8,170	8,724	16,349	2.42	29	26
MEM	ASO	MEMPHIS INTL	4,567	0.63	3,660	3,186	4,728	0.11	30	30
Totals			510,927	70.67	514,933	551,494	982,488	2.28		

*Percent of total US enplanements.

**Annual compound growth rate.

Graph S-1. Enplanements Growth Rates for the Core Airports - 2011 to 2040

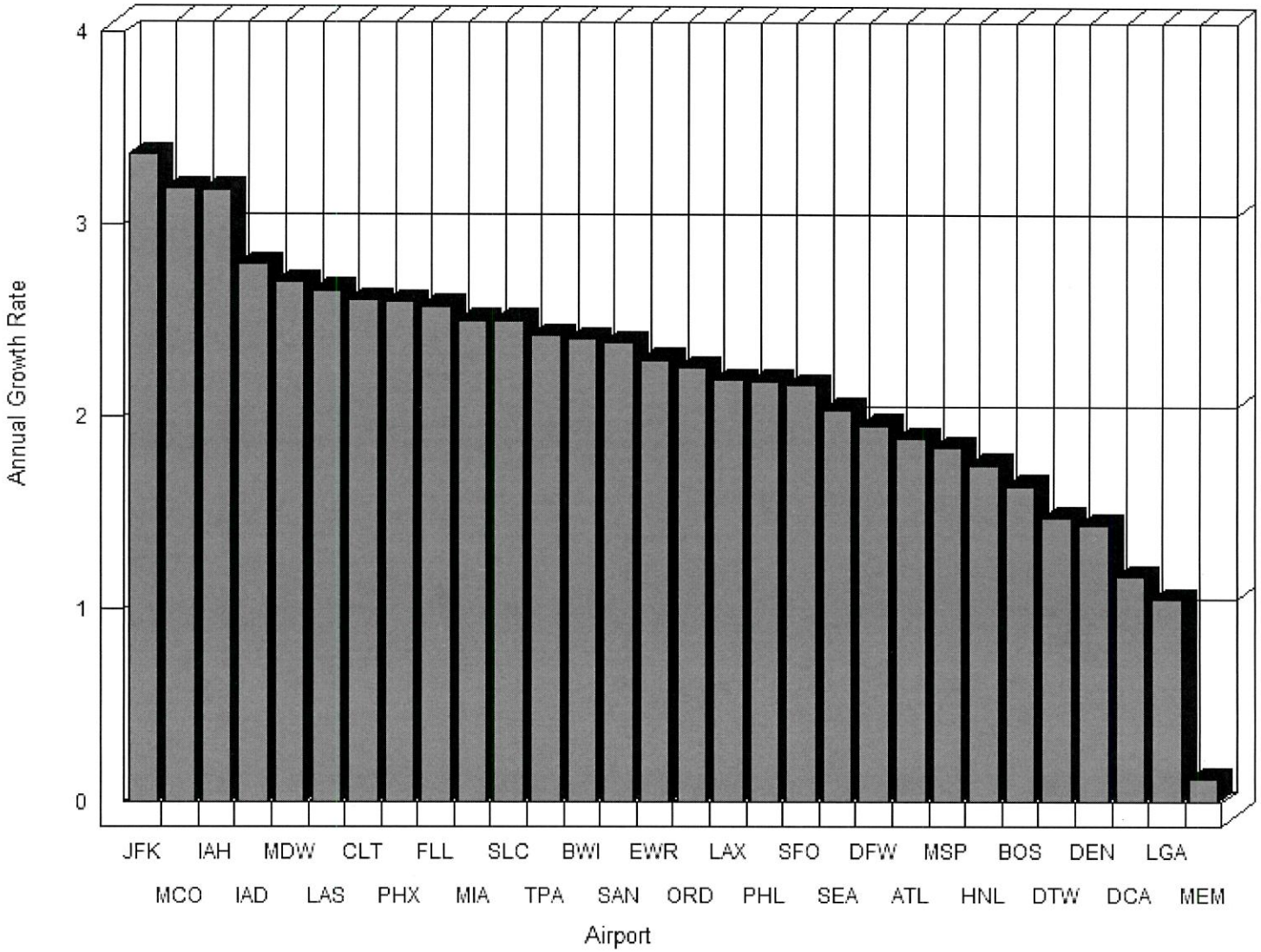

Table S-2.
Airport Operations at the Core Airports
(In Thousands)

Loc ID	Reg	Airport Name	2011	2011* Percent	2012	2016	2040	Rate** 2011-2040	Airport Ranking 2011	Airport Ranking 2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	930	0.92	931	966	1,362	1.32	1	2
ORD	AGL	CHICAGO O'HARE INTL	884	0.88	879	958	1,385	1.55	2	1
DFW	ASW	DALLAS/FORT WORTH INTL	651	0.64	646	691	966	1.37	3	4
DEN	ANM	DENVER INTL	642	0.64	618	653	868	1.04	4	8
LAX	AWP	LOS ANGELES INTL	596	0.59	609	630	931	1.54	5	7
CLT	ASO	CHARLOTTE/DOUGLAS INTL	544	0.54	550	615	956	1.96	6	5
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	532	0.53	517	549	991	2.16	7	3
LAS	AWP	MC CARRAN INTL	527	0.52	531	547	933	1.99	8	6
PHX	AWP	PHOENIX SKY HARBOR INTL	462	0.46	454	465	842	2.09	9	10
PHL	AEA	PHILADELPHIA INTL	452	0.45	448	471	735	1.68	10	11
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	447	0.44	433	402	498	0.37	11	19
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	440	0.43	426	435	632	1.25	12	16
JFK	AEA	JOHN F KENNEDY INTL	413	0.41	412	461	864	2.57	13	9
EWR	AEA	NEWARK LIBERTY INTL	412	0.41	426	445	660	1.63	14	13
SFO	AWP	SAN FRANCISCO INTL	398	0.39	423	461	637	1.63	15	14
MIA	ASO	MIAMI INTL	392	0.39	393	408	635	1.67	16	15
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	374	0.37	364	353	470	0.78	17	21
LGA	AEA	LA GUARDIA	370	0.36	377	388	388	0.15	18	26
IAD	AEA	WASHINGTON DULLES INTL	368	0.36	345	367	574	1.54	19	17
SLC	ANM	SALT LAKE CITY INTL	365	0.36	330	336	533	1.31	20	18
MEM	ASO	MEMPHIS INTL	321	0.32	283	279	426	0.98	21	25
MCO	ASO	ORLANDO INTL	319	0.31	311	328	709	2.79	22	12
SEA	ANM	SEATTLE-TACOMA INTL	315	0.31	312	326	490	1.53	23	20
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	285	0.28	288	300	307	0.25	24	30
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHAL	277	0.27	272	276	434	1.55	25	24
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	270	0.26	264	280	447	1.75	26	22
HNL	AWP	HONOLULU INTL	267	0.26	272	288	333	0.76	27	27
MDW	AGL	CHICAGO MIDWAY INTL	253	0.25	253	257	436	1.89	28	23
TPA	ASO	TAMPA INTL	193	0.19	189	197	325	1.81	29	28
SAN	AWP	SAN DIEGO INTL	185	0.18	187	197	318	1.88	30	29
Totals			12,884	12.71	12,743	13,329	20,085	1.54		

*Percent of total US operations.

**Annual compound growth rate.

Graph S-2. Airport Operations Growth Rates for the Core Airports - 2011 to 2040

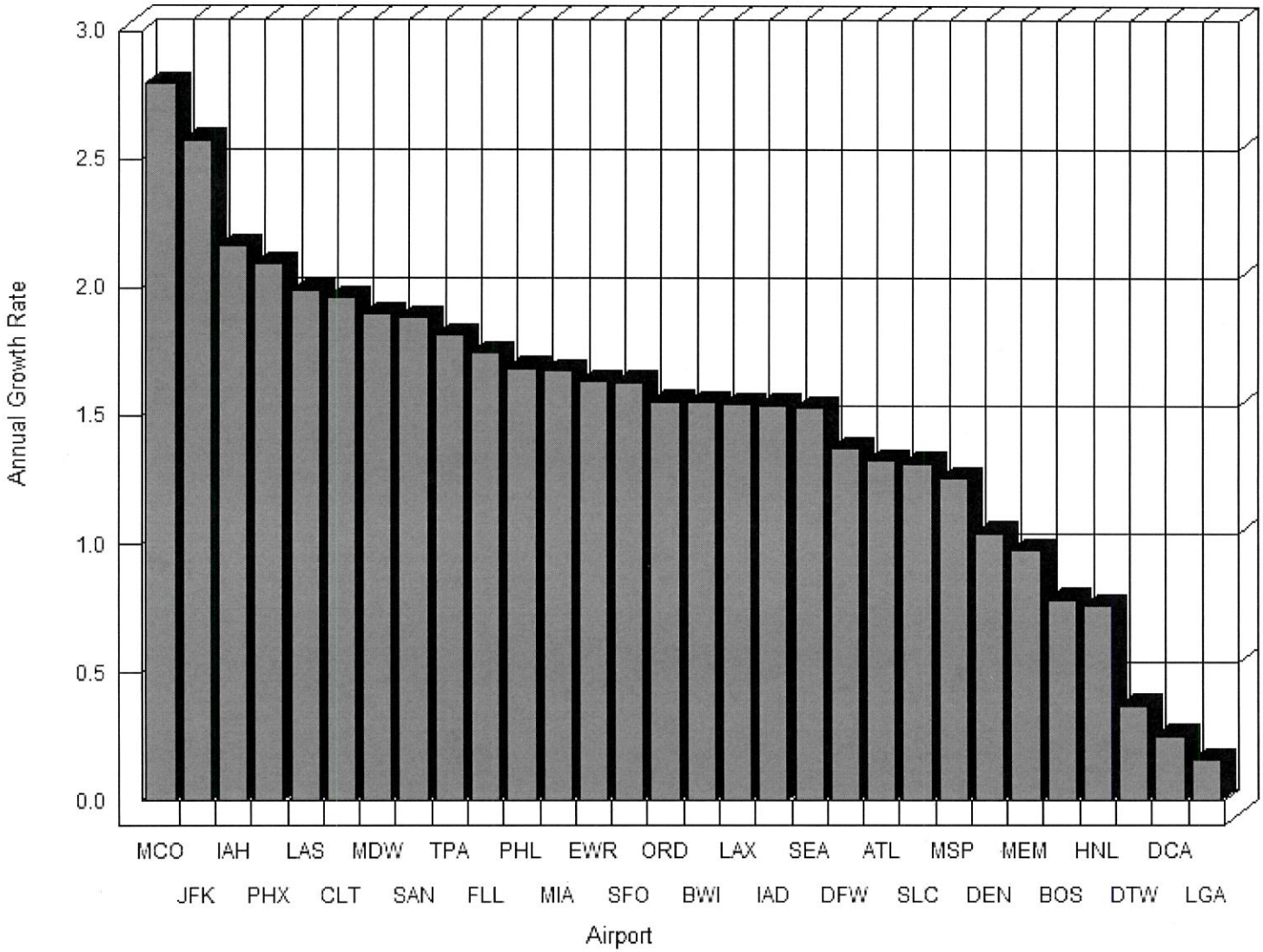

Table S-3.
Air Traffic Control Towers and Contract Towers by Region and State

Region/State	FAA Towers	Contract Towers
Alaskan Region		
Alaska	4	4
Regional Total	4	4
Central Region		
Iowa	4	1
Kansas	1	8
Missouri	5	5
Nebraska	2	1
Regional Total	12	15
Eastern Region		
Delaware	1	0
District of Columbia	2	0
Maryland	2	5
New Jersey	5	1
New York	12	5
Pennsylvania	9	5
Virginia	5	2
West Virginia	3	4
Regional Total	39	22
Great Lakes Region		
Illinois	11	6
Indiana	6	4
Michigan	11	4
Minnesota	6	2
North Dakota	3	1
Ohio	7	5
South Dakota	1	1
Wisconsin	3	9
Regional Total	48	32
New England Region		
Connecticut	1	6
Maine	2	0
Massachusetts	3	8
New Hampshire	1	2
Rhode Island	1	0
Vermont	1	0
Regional Total	9	16
Northwest Mountain Region		
Colorado	6	3
Idaho	2	4
Montana	3	3
Oregon	3	7
Utah	1	2
Washington	6	7
Wyoming	1	2
Regional Total	22	28
Southern Region		
Alabama	4	3
Florida	18	24
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	57
Southwestern Region		
Arkansas	2	5
Louisiana	7	5
New Mexico	2	4
Oklahoma	3	6
Texas	19	22
Regional Total	33	42
Western Pacific Region		
Arizona	7	7
California	33	20
Guam	0	1
Hawaii	3	4
Nevada	3	1
Northern Mariana Isl	0	1
Regional Total	46	34
Grand Total	**264**	**250**

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2011

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
1	ATLANTA	GA	ATL	44,063,677	6.10	44,063,677	6.10	922,473	922,473
2	CHICAGO	IL	ORD	31,773,149	4.40	75,836,826	10.51	876,431	1,798,904
3	LOS ANGELES	CA	LAX	29,977,191	4.15	105,814,017	14.66	575,234	2,374,138
4	DALLAS-FORT WORTH	TX	DFW	27,440,091	3.80	133,254,108	18.47	644,325	3,018,463
5	DENVER	CO	DEN	25,578,444	3.54	158,832,552	22.01	638,178	3,656,641
6	NEW YORK	NY	JFK	23,403,134	3.24	182,235,686	25.26	405,264	4,061,905
7	SAN FRANCISCO	CA	SFO	19,793,797	2.74	202,029,483	28.00	381,519	4,443,424
8	PHOENIX	AZ	PHX	19,669,593	2.72	221,699,076	30.73	438,239	4,881,663
9	HOUSTON	TX	IAH	19,510,067	2.70	241,209,143	33.43	519,828	5,401,491
10	LAS VEGAS	NV	LAS	19,465,656	2.69	260,674,799	36.13	480,246	5,881,737
11	CHARLOTTE	NC	CLT	19,124,572	2.65	279,799,371	38.78	517,693	6,399,430
12	MIAMI	FL	MIA	17,768,672	2.46	297,568,043	41.24	372,074	6,771,504
13	ORLANDO	FL	MCO	17,264,997	2.39	314,833,040	43.64	301,324	7,072,828
14	NEWARK	NJ	EWR	16,655,977	2.30	331,489,017	45.95	399,190	7,472,018
15	MINNEAPOLIS	MN	MSP	15,838,273	2.19	347,327,290	48.14	423,095	7,895,113
16	SEATTLE	WA	SEA	15,834,246	2.19	363,161,536	50.34	311,654	8,206,767
17	DETROIT	MI	DTW	15,702,956	2.17	378,864,492	52.51	440,283	8,647,050
18	PHILADELPHIA	PA	PHL	14,947,977	2.07	393,812,469	54.59	434,801	9,081,851
19	BOSTON	MA	BOS	14,091,084	1.95	407,903,553	56.54	355,817	9,437,668
20	NEW YORK	NY	LGA	12,019,668	1.66	419,923,221	58.21	363,475	9,801,143
21	FORT LAUDERDALE	FL	FLL	11,337,045	1.57	431,260,266	59.78	227,934	10,029,077
22	WASHINGTON	DC	IAD	11,082,014	1.53	442,342,280	61.31	319,588	10,348,665
23	BALTIMORE	MD	BWI	11,053,430	1.53	453,395,710	62.85	259,067	10,607,732
24	SALT LAKE CITY	UT	SLC	9,793,715	1.35	463,189,425	64.20	291,640	10,899,372
25	WASHINGTON	DC	DCA	9,070,150	1.25	472,259,575	65.46	279,099	11,178,471
26	CHICAGO	IL	MDW	8,935,302	1.23	481,194,877	66.70	206,842	11,385,313
27	HONOLULU	HI	HNL	8,598,902	1.19	489,793,779	67.89	206,789	11,592,102
28	SAN DIEGO	CA	SAN	8,403,911	1.16	498,197,690	69.06	173,536	11,765,638
29	TAMPA	FL	TPA	8,162,033	1.13	506,359,723	70.19	167,370	11,933,008
30	PORTLAND	OR	PDX	6,747,580	0.93	513,107,303	71.12	193,197	12,126,205
31	ST LOUIS	MO	STL	6,149,178	0.85	519,256,481	71.98	178,905	12,305,110
32	KANSAS CITY	MO	MCI	4,984,542	0.69	524,241,023	72.67	138,033	12,443,143
33	MILWAUKEE	WI	MKE	4,801,380	0.66	529,042,403	73.33	166,008	12,609,151
34	HOUSTON	TX	HOU	4,646,580	0.64	533,688,983	73.98	139,279	12,748,430
35	NASHVILLE	TN	BNA	4,633,651	0.64	538,322,634	74.62	142,676	12,891,106
36	MEMPHIS	TN	MEM	4,567,379	0.63	542,890,013	75.25	301,156	13,192,262
37	OAKLAND	CA	OAK	4,548,933	0.63	547,438,946	75.88	131,643	13,323,905
38	RALEIGH/DURHAM	NC	RDU	4,470,562	0.61	551,909,508	76.50	144,561	13,468,466
39	CLEVELAND	OH	CLE	4,465,468	0.61	556,374,976	77.12	181,601	13,650,067
40	AUSTIN	TX	AUS	4,401,109	0.61	560,776,085	77.73	113,561	13,763,628

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2011

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
41	SACRAMENTO	CA	SMF	4,363,197	0.60	565,139,282	78.34	101,417	13,865,045
42	NEW ORLEANS	LA	MSY	4,253,246	0.58	569,392,528	78.93	103,139	13,968,184
43	SANTA ANA	CA	SNA	4,235,184	0.58	573,627,712	79.51	92,518	14,060,702
44	SAN JOSE	CA	SJC	4,121,286	0.57	577,748,998	80.08	107,329	14,168,031
45	PITTSBURGH	PA	PIT	4,102,497	0.56	581,851,495	80.65	129,185	14,297,216
46	SAN JUAN	PR	SJU	4,017,692	0.55	585,869,187	81.21	135,769	14,432,985
47	SAN ANTONIO	TX	SAT	3,958,577	0.54	589,827,764	81.76	115,441	14,548,426
48	DALLAS	TX	DAL	3,841,409	0.53	593,669,173	82.29	115,391	14,663,817
49	FORT MYERS	FL	RSW	3,802,749	0.52	597,471,922	82.82	75,494	14,739,311
50	INDIANAPOLIS	IN	IND	3,699,851	0.51	601,171,773	83.33	143,493	14,882,804
51	COVINGTON	KY	CVG	3,550,286	0.49	604,722,059	83.82	162,161	15,044,965
52	COLUMBUS	OH	CMH	3,144,548	0.43	607,866,607	84.26	111,766	15,156,731
53	WEST PALM BEACH	FL	PBI	2,917,057	0.40	610,783,664	84.66	80,519	15,237,250
54	WINDSOR LOCKS	CT	BDL	2,791,518	0.38	613,575,182	85.05	87,018	15,324,268
55	ALBUQUERQUE	NM	ABQ	2,767,364	0.38	616,342,546	85.43	100,292	15,424,560
56	JACKSONVILLE	FL	JAX	2,734,845	0.37	619,077,391	85.81	78,074	15,502,634
57	KAHULUI	HI	OGG	2,668,982	0.36	621,746,373	86.18	101,735	15,604,369
58	BUFFALO	NY	BUF	2,594,838	0.35	624,341,211	86.54	80,504	15,684,873
59	ONTARIO	CA	ONT	2,303,311	0.31	626,644,522	86.86	75,593	15,760,466
60	ANCHORAGE	AK	ANC	2,239,967	0.31	628,884,489	87.17	189,148	15,949,614
61	BURBANK	CA	BUR	2,164,214	0.30	631,048,703	87.47	68,127	16,017,741
62	OMAHA	NE	OMA	2,064,135	0.28	633,112,838	87.76	80,197	16,097,938
63	PROVIDENCE	RI	PVD	1,927,950	0.26	635,040,788	88.03	57,546	16,155,484
64	RENO	NV	RNO	1,839,004	0.25	636,879,792	88.28	56,407	16,211,891
65	TUCSON	AZ	TUS	1,791,076	0.24	638,670,868	88.53	57,876	16,269,767
66	OKLAHOMA CITY	OK	OKC	1,717,734	0.23	640,388,602	88.77	61,950	16,331,717
67	LOUISVILLE	KY	SDF	1,655,889	0.22	642,044,491	89.00	137,564	16,469,281
68	NORFOLK	VA	ORF	1,613,236	0.22	643,657,727	89.22	65,710	16,534,991
69	RICHMOND	VA	RIC	1,596,835	0.22	645,254,562	89.44	68,711	16,603,702
70	SPOKANE	WA	GEG	1,505,685	0.20	646,760,247	89.65	48,637	16,652,339
71	LONG BEACH	CA	LGB	1,498,621	0.20	648,258,868	89.86	37,067	16,689,406
72	EL PASO	TX	ELP	1,466,498	0.20	649,725,366	90.06	61,275	16,750,681
73	BIRMINGHAM	AL	BHM	1,429,970	0.19	651,155,336	90.26	60,334	16,811,015
74	BOISE	ID	BOI	1,387,663	0.19	652,542,999	90.45	52,389	16,863,404
75	AGANA	GU	GUM	1,367,927	0.18	653,910,926	90.64	26,103	16,889,507
76	MANCHESTER	NH	MHT	1,365,966	0.18	655,276,892	90.83	52,573	16,942,080
77	TULSA	OK	TUL	1,342,382	0.18	656,619,274	91.02	56,260	16,998,340
78	KAILUA/KONA	HI	KOA	1,306,424	0.18	657,925,698	91.20	43,234	17,041,574
79	DAYTON	OH	DAY	1,259,396	0.17	659,185,094	91.37	49,402	17,090,976
80	ALBANY	NY	ALB	1,218,414	0.16	660,403,508	91.54	55,604	17,146,580

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2011

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
81	ROCHESTER	NY	ROC	1,205,278	0.16	661,608,786	91.71	52,213	17,198,793
82	LIHUE	HI	LIH	1,193,298	0.16	662,802,084	91.87	80,264	17,279,057
83	CHARLESTON	SC	CHS	1,177,991	0.16	663,980,075	92.04	50,778	17,329,835
84	GRAND RAPIDS	MI	GRR	1,143,453	0.15	665,123,528	92.20	48,075	17,377,910
85	LITTLE ROCK	AR	LIT	1,062,718	0.14	666,186,246	92.34	48,611	17,426,521
86	SYRACUSE	NY	SYR	995,330	0.13	667,181,576	92.48	50,259	17,476,780
87	WHITE PLAINS	NY	HPN	980,154	0.13	668,161,730	92.62	65,008	17,541,788
88	DES MOINES	IA	DSM	913,702	0.12	669,075,432	92.74	46,822	17,588,610
89	GREENSBORO	NC	GSO	896,130	0.12	669,971,562	92.87	49,407	17,638,017
90	MYRTLE BEACH	SC	MYR	841,189	0.11	670,812,751	92.98	73,640	17,711,657
91	PORTLAND	ME	PWM	836,963	0.11	671,649,714	93.10	35,171	17,746,828
92	KNOXVILLE	TN	TYS	826,753	0.11	672,476,467	93.21	49,844	17,796,672
93	COLORADO SPRINGS	CO	COS	825,812	0.11	673,302,279	93.33	35,649	17,832,321
94	GREER	SC	GSP	810,402	0.11	674,112,681	93.44	37,106	17,869,427
95	SAVANNAH	GA	SAV	797,834	0.11	674,910,515	93.55	37,973	17,907,400
96	NEW YORK	NY	ISP	794,007	0.11	675,704,522	93.66	20,234	17,927,634
97	AKRON	OH	CAK	788,158	0.10	676,492,680	93.77	29,191	17,956,825
98	PENSACOLA	FL	PNS	754,842	0.10	677,247,522	93.88	30,353	17,987,178
99	WICHITA	KS	ICT	743,806	0.10	677,991,328	93.98	41,110	18,028,288
100	MADISON	WI	MSN	743,049	0.10	678,734,377	94.08	32,828	18,061,116
	Total of airports 101 thru 514			38,306,048	5.342	717,040,425	99.42	4,088,517	22,149,633

*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	2011	2040	Annual Compound Growth Rate 2011-2040
Large Hubs	29	506,359,723	977,759,058	2.29
Medium Hubs	35	130,520,069	237,205,077	2.08
Small Hubs	74	60,636,050	108,859,928	2.03
Non Hub Towers	376	19,524,583	35,312,977	2.06
Total	514	717,040,425	1,359,137,040	2.22

Operations at Towered Airports

	Count	2011	2040	Annual Compound Growth Rate 2011-2040
Large Hubs	29	12,562,732	19,655,935	1.55
Medium Hubs	35	5,597,463	7,914,468	1.20
Small Hubs	74	6,945,251	8,577,125	0.73
Non Hub Towers	376	25,839,026	29,834,851	0.49
Total	514	50,944,472	65,982,379	0.89

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										
2008	939,380	890,544	4,059,460	4,259,229	1,158,817	2,783,306	5,919,227	3,055,439	4,900,512	27,965,914
2009	863,852	797,311	3,828,240	3,964,075	1,047,415	2,553,249	5,361,614	2,754,591	4,300,173	25,470,520
2010	892,164	754,260	3,754,714	3,960,473	1,007,159	2,509,593	5,295,884	2,739,246	4,213,301	25,126,794
2011	967,043	753,863	3,752,492	3,931,144	999,862	2,474,806	5,227,651	2,728,233	4,276,445	25,111,539
Forecast										
2012	959,807	744,853	3,738,911	3,833,708	980,813	2,389,555	5,148,972	2,709,112	4,359,805	24,865,536
2013	975,410	740,163	3,726,522	3,806,152	954,160	2,390,268	5,123,516	2,732,310	4,337,889	24,786,390
2014	983,013	760,262	3,786,735	3,861,009	959,094	2,431,071	5,220,999	2,773,546	4,424,514	25,200,243
2015	990,619	782,652	3,850,023	3,913,827	968,666	2,474,052	5,322,652	2,823,310	4,493,093	25,618,894
2016	998,396	802,681	3,909,999	3,951,880	979,285	2,511,104	5,401,407	2,869,617	4,560,543	25,984,912
2017	1,006,555	819,789	3,965,778	4,003,455	989,750	2,548,690	5,498,658	2,915,003	4,624,567	26,372,245
2018	1,015,206	831,081	4,006,026	4,048,508	999,281	2,585,086	5,585,457	2,954,592	4,690,260	26,715,497
2019	1,024,031	842,594	4,048,495	4,094,840	1,009,009	2,622,176	5,674,766	2,995,499	4,757,408	27,068,818
2020	1,033,013	854,327	4,093,177	4,142,454	1,018,939	2,660,163	5,766,652	3,037,780	4,826,030	27,432,535
2021	1,042,176	866,310	4,140,073	4,191,393	1,029,084	2,698,971	5,861,129	3,081,466	4,896,121	27,806,723
2022	1,051,530	878,529	4,189,198	4,241,664	1,039,433	2,738,678	5,958,353	3,126,571	4,967,714	28,191,670
2023	1,061,043	890,989	4,240,526	4,293,268	1,049,995	2,779,301	6,058,374	3,173,128	5,040,829	28,587,453
2024	1,070,746	903,695	4,294,100	4,346,259	1,060,777	2,820,883	6,160,655	3,221,198	5,115,618	28,993,931
2025	1,080,634	916,651	4,349,914	4,400,671	1,071,779	2,863,404	6,264,177	3,270,801	5,192,116	29,410,147
2026	1,090,713	929,857	4,407,980	4,456,991	1,083,013	2,906,921	6,369,026	3,321,975	5,270,358	29,836,834
2027	1,100,991	943,317	4,468,330	4,514,796	1,094,472	2,951,459	6,476,606	3,374,761	5,350,388	30,275,120
2028	1,111,472	957,039	4,530,992	4,574,125	1,106,165	2,997,036	6,586,970	3,429,202	5,432,249	30,725,250
2029	1,122,161	971,024	4,595,973	4,634,989	1,118,100	3,043,688	6,700,159	3,485,332	5,515,973	31,187,399
2030	1,133,061	985,278	4,663,326	4,697,434	1,130,275	3,091,433	6,816,247	3,543,222	5,601,623	31,661,899
2031	1,144,172	999,808	4,733,061	4,761,493	1,142,703	3,140,296	6,935,281	3,602,900	5,689,218	32,148,932
2032	1,155,505	1,014,617	4,805,212	4,826,546	1,155,378	3,190,307	7,057,339	3,664,412	5,778,802	32,648,118
2033	1,167,063	1,029,715	4,879,822	4,893,260	1,168,313	3,241,482	7,182,466	3,727,818	5,870,430	33,160,369
2034	1,178,852	1,045,099	4,956,936	4,961,662	1,181,511	3,293,874	7,310,749	3,793,151	5,964,145	33,685,979
2035	1,190,877	1,060,769	5,036,596	5,031,794	1,194,976	3,347,505	7,442,248	3,860,477	6,059,998	34,225,240
2036	1,203,145	1,076,738	5,118,242	5,103,622	1,208,712	3,401,928	7,576,915	3,929,845	6,158,040	34,777,187
2037	1,215,659	1,093,005	5,202,471	5,177,239	1,222,728	3,457,620	7,714,931	4,001,304	6,258,305	35,343,262
2038	1,228,423	1,109,579	5,289,330	5,252,684	1,237,029	3,514,625	7,856,379	4,074,930	6,360,855	35,923,834
2039	1,241,443	1,126,469	5,378,866	5,330,003	1,251,615	3,572,984	8,001,324	4,150,778	6,465,751	36,519,233
2040	1,254,723	1,143,675	5,471,143	5,409,218	1,266,494	3,632,712	8,149,841	4,228,892	6,573,029	37,129,727

*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										
2008	1,439,163	2,948,126	7,902,019	10,181,470	2,756,649	7,225,963	16,394,674	8,441,319	11,871,790	69,761,173
2009	1,351,738	2,758,391	7,346,008	9,603,123	2,518,570	6,850,054	15,200,038	8,054,784	10,937,507	64,620,213
2010	1,376,104	2,670,201	7,315,871	9,395,842	2,460,657	6,668,185	14,810,267	7,957,586	10,499,065	63,753,778
2011	1,512,326	2,671,104	7,194,903	9,166,113	2,308,904	6,548,769	14,713,738	7,980,812	10,500,556	62,597,225
Forecast										
2012	1,496,650	2,688,893	7,187,636	9,110,360	2,309,518	6,501,493	14,601,854	7,888,150	10,574,410	62,358,964
2013	1,511,131	2,675,224	7,187,347	9,058,639	2,267,313	6,523,823	14,572,095	7,896,091	10,532,718	62,224,381
2014	1,519,582	2,698,501	7,263,011	9,130,518	2,274,774	6,603,722	14,693,867	7,959,049	10,635,002	62,778,026
2015	1,528,047	2,724,088	7,340,984	9,200,603	2,286,891	6,686,490	14,820,116	8,030,902	10,719,049	63,337,170
2016	1,536,696	2,747,328	7,415,811	9,256,169	2,300,073	6,762,410	14,923,783	8,099,683	10,802,154	63,844,107
2017	1,545,738	2,767,668	7,486,668	9,325,282	2,313,117	6,839,473	15,046,249	8,167,937	10,882,011	64,374,143
2018	1,555,286	2,782,207	7,542,175	9,388,071	2,325,248	6,916,000	15,158,590	8,230,795	10,963,734	64,862,106
2019	1,565,020	2,796,989	7,600,068	9,452,206	2,337,593	6,993,898	15,273,768	8,295,359	11,047,106	65,362,007
2020	1,574,924	2,812,009	7,660,363	9,517,823	2,350,156	7,073,378	15,391,859	8,361,694	11,132,150	65,874,356
2021	1,585,022	2,827,300	7,722,980	9,584,953	2,362,951	7,154,159	15,512,886	8,429,877	11,218,859	66,398,987
2022	1,595,325	2,842,839	7,788,038	9,653,624	2,375,967	7,236,553	15,637,012	8,499,907	11,307,278	66,936,543
2023	1,605,800	2,858,642	7,855,487	9,723,822	2,389,214	7,320,600	15,764,288	8,571,775	11,397,429	67,487,057
2024	1,616,476	2,874,712	7,925,372	9,795,470	2,402,701	7,406,527	15,894,202	8,645,574	11,489,474	68,050,508
2025	1,627,351	2,891,056	7,997,690	9,868,779	2,416,425	7,494,184	16,025,717	8,721,402	11,583,444	68,626,048
2026	1,638,430	2,907,666	8,072,459	9,944,254	2,430,403	7,583,698	16,158,921	8,799,275	11,679,384	69,214,490
2027	1,649,722	2,924,552	8,149,710	10,021,480	2,444,624	7,675,145	16,295,219	8,879,237	11,777,335	69,817,024
2028	1,661,232	2,941,721	8,229,473	10,100,495	2,459,094	7,768,559	16,434,699	8,961,344	11,877,350	70,433,967
2029	1,672,963	2,959,167	8,311,764	10,181,337	2,473,826	7,863,981	16,577,399	9,045,614	11,979,463	71,065,514
2030	1,684,920	2,976,917	8,396,340	10,264,031	2,488,821	7,961,464	16,723,407	9,132,175	12,083,737	71,711,812
2031	1,697,101	2,994,967	8,483,513	10,348,631	2,504,085	8,061,061	16,872,767	9,221,041	12,190,201	72,373,367
2032	1,709,522	3,013,333	8,573,330	10,434,525	2,519,616	8,162,818	17,025,562	9,312,273	12,298,907	73,049,886
2033	1,722,181	3,032,022	8,665,842	10,522,375	2,535,427	8,266,774	17,181,845	9,405,944	12,409,913	73,742,323
2034	1,735,087	3,051,019	8,761,096	10,612,233	2,551,521	8,373,013	17,341,699	9,502,094	12,523,265	74,451,027
2035	1,748,242	3,070,332	8,859,134	10,704,116	2,567,902	8,481,602	17,505,216	9,600,799	12,639,021	75,176,364
2036	1,761,656	3,089,979	8,959,399	10,798,010	2,584,575	8,592,097	17,672,353	9,702,130	12,757,238	75,917,437
2037	1,775,333	3,109,959	9,062,497	10,894,031	2,601,545	8,704,991	17,843,279	9,806,142	12,877,956	76,675,733
2038	1,789,275	3,130,275	9,168,477	10,992,200	2,618,819	8,820,376	18,018,103	9,912,921	13,001,243	77,451,689
2039	1,803,488	3,150,939	9,277,389	11,092,585	2,636,399	8,938,323	18,196,892	10,022,547	13,127,170	78,245,732
2040	1,817,976	3,171,949	9,389,293	11,195,203	2,654,292	9,058,868	18,379,726	10,135,078	13,255,768	79,058,153

*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										
2008	1,786,547	5,022,783	12,526,002	17,342,757	4,524,823	11,699,088	24,651,669	14,340,732	18,885,788	110,780,189
2009	1,660,471	4,777,805	11,710,570	16,659,660	4,120,734	11,098,284	23,032,003	13,779,597	17,294,645	104,133,769
2010	1,658,071	4,659,989	11,536,376	16,335,713	4,006,733	10,794,569	22,443,234	13,477,225	16,498,267	101,410,177
2011	1,846,649	4,673,290	11,274,068	15,873,974	3,728,948	10,533,555	22,411,843	13,397,406	16,422,212	100,161,945
Forecast										
2012	1,825,456	4,741,536	11,242,132	15,845,111	3,751,770	10,499,178	22,319,454	13,297,876	16,472,059	99,994,572
2013	1,837,944	4,728,448	11,307,984	15,793,455	3,691,780	10,574,504	22,366,861	13,307,719	16,427,182	100,035,877
2014	1,846,969	4,753,035	11,403,855	15,886,210	3,700,036	10,685,682	22,513,566	13,393,205	16,545,279	100,727,837
2015	1,856,011	4,779,942	11,501,521	15,977,505	3,712,953	10,800,282	22,665,116	13,487,949	16,645,296	101,426,575
2016	1,865,241	4,804,514	11,596,331	16,054,603	3,726,939	10,907,117	22,794,465	13,580,041	16,744,528	102,073,779
2017	1,874,867	4,826,194	11,687,510	16,145,206	3,740,791	11,015,614	22,942,998	13,672,022	16,840,679	102,745,881
2018	1,885,003	4,842,084	11,763,630	16,229,727	3,753,735	11,124,150	23,081,807	13,759,014	16,938,858	103,378,008
2019	1,895,329	4,858,232	11,842,445	16,315,825	3,766,896	11,234,546	23,223,849	13,848,140	17,038,854	104,024,116
2020	1,905,827	4,874,625	11,924,350	16,403,673	3,780,278	11,347,104	23,369,211	13,939,436	17,140,695	104,685,199
2021	1,916,524	4,891,298	12,008,157	16,493,264	3,793,895	11,461,405	23,517,933	14,033,041	17,244,372	105,359,889
2022	1,927,428	4,908,236	12,095,100	16,584,686	3,807,738	11,577,870	23,670,172	14,128,919	17,349,931	106,050,080
2023	1,938,509	4,925,449	12,184,745	16,677,887	3,821,815	11,696,644	23,826,005	14,227,099	17,457,395	106,755,548
2024	1,949,793	4,942,938	12,277,162	16,772,752	3,836,136	11,817,925	23,984,897	14,327,680	17,566,930	107,476,213
2025	1,961,281	4,960,714	12,372,346	16,869,548	3,850,698	11,941,597	24,145,838	14,430,756	17,678,577	108,211,355
2026	1,972,978	4,978,768	12,470,322	16,968,853	3,865,516	12,067,841	24,308,931	14,536,372	17,792,383	108,961,964
2027	1,984,891	4,997,109	12,571,129	17,070,256	3,880,580	12,196,755	24,475,585	14,644,569	17,908,374	109,729,248
2028	1,997,026	5,015,746	12,674,807	17,173,800	3,895,899	12,328,399	24,645,901	14,755,425	18,026,617	110,513,620
2029	2,009,385	5,034,670	12,781,379	17,279,536	3,911,486	12,462,822	24,819,912	14,868,961	18,147,151	111,315,302
2030	2,021,975	5,053,911	12,890,323	17,387,503	3,927,337	12,600,119	24,997,740	14,985,335	18,270,039	112,134,282
2031	2,034,790	5,073,466	13,002,232	17,497,752	3,943,462	12,740,348	25,179,425	15,104,561	18,395,309	112,971,345
2032	2,047,849	5,093,347	13,117,171	17,609,673	3,959,858	12,883,581	25,365,058	15,226,707	18,523,020	113,826,264
2033	2,061,152	5,113,565	13,235,196	17,723,943	3,976,540	13,029,880	25,554,701	15,351,872	18,653,232	114,700,081
2034	2,074,706	5,134,105	13,356,363	17,840,625	3,993,508	13,179,352	25,748,451	15,480,100	18,786,002	115,593,212
2035	2,088,512	5,154,975	13,480,719	17,959,731	4,010,768	13,332,096	25,946,415	15,611,484	18,921,382	116,506,082
2036	2,102,581	5,176,197	13,607,709	18,081,262	4,028,323	13,487,695	26,148,554	15,746,087	19,059,435	117,437,843
2037	2,116,916	5,197,764	13,737,955	18,205,345	4,046,180	13,646,660	26,355,048	15,883,989	19,200,202	118,390,059
2038	2,131,520	5,219,682	13,871,508	18,332,002	4,064,344	13,809,126	26,566,027	16,025,304	19,343,754	119,363,267
2039	2,146,398	5,241,962	14,008,443	18,461,319	4,082,819	13,975,177	26,781,561	16,170,110	19,490,173	120,357,962
2040	2,161,558	5,264,603	14,148,804	18,593,309	4,101,611	14,144,898	27,001,743	16,318,480	19,639,479	121,374,485

*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										
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	39,373,107
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
2011	372,753	1,313,121	5,935,900	5,461,079	1,467,058	2,932,576	9,476,742	5,316,833	6,019,093	38,295,155
Forecast										
2012	367,648	1,318,638	5,918,379	5,386,757	1,397,435	2,840,736	9,277,018	5,214,290	6,057,072	37,777,973
2013	378,395	1,302,480	5,831,987	5,286,281	1,351,799	2,822,202	9,175,096	5,199,874	5,980,466	37 328,580
2014	381,802	1,326,020	5,905,188	5,349,795	1,358,828	2,863,169	9,294,302	5,252,993	6,077,465	37 809,562
2015	385,157	1,351,948	5,981,710	5,411,602	1,370,397	2,906,092	9,418,021	5,314,845	6,157,230	38 297,002
2016	388,598	1,375,118	6,053,674	5,456,858	1,382,557	2,942,630	9,516,379	5,372,435	6,235,326	38 723,575
2017	392,364	1,395,348	6,121,677	5,516,683	1,394,618	2,979,897	9,634,447	5,429,532	6,311,346	39 175,912
2018	396,530	1,409,979	6,174,327	5,570,466	1,405,986	3,016,014	9,741,514	5,481,309	6,387,736	39 583,861
2019	400,801	1,424,873	6,229,532	5,625,712	1,417,585	3,052,948	9,851,517	5,534,628	6,465,792	40 003,388
2020	405,177	1,440,042	6,287,246	5,682,440	1,429,427	3,090,714	9,964,496	5,589,549	6,545,549	40 434,640
2021	409,665	1,455,502	6,347,518	5,740,670	1,441,522	3,129,352	10,080,451	5,646,117	6,627,021	40 877,818
2022	414,263	1,471,230	6,410,315	5,800,410	1,453,863	3,168,869	10,199,497	5,704,332	6,710,232	41 333,011
2023	418,974	1,487,250	6,475,650	5,861,660	1,466,454	3,209,272	10,321,725	5,764,272	6,795,208	41 800,465
2024	423,802	1,503,557	6,543,554	5,924,461	1,479,316	3,250,607	10,446,536	5,825,940	6,882,098	42 279,871
2025	428,746	1,520,164	6,614,001	5,988,825	1,492,420	3,292,867	10,572,731	5,889,363	6,970,917	42 770,034
2026	433,815	1,537,069	6,687,073	6,056,357	1,505,813	3,336,053	10,701,880	5,954,618	7,061,772	43 274,450
2027	439,004	1,554,277	6,762,736	6,125,594	1,519,475	3,380,220	10,834,161	6,021,753	7,154,664	43 791,884
2028	444,331	1,571,800	6,841,051	6,196,587	1,533,411	3,425,410	10,969,667	6,090,802	7,249,658	44 322,717
2029	449,789	1,589,625	6,922,032	6,269,335	1,547,633	3,471,624	11,108,411	6,161,798	7,346,780	44 867,027
2030	455,390	1,607,774	7,005,730	6,343,899	1,562,143	3,518,902	11,250,522	6,234,837	7,446,108	45 425,305
2031	461,127	1,626,236	7,092,287	6,420,321	1,576,951	3,567,270	11,396,011	6,309,935	7,547,674	45 997,812
2032	467,009	1,645,047	7,181,617	6,498,610	1,592,054	3,616,737	11,544,966	6,387,138	7,651,522	46 584,700
2033	473,038	1,664,202	7,273,761	6,578,820	1,607,466	3,667,345	11,697,463	6,466,531	7,757,704	47 186,330
2034	479,212	1,683,683	7,368,786	6,660,990	1,623,182	3,719,141	11,853,563	6,548,144	7,866,258	47 802,959
2035	485,539	1,703,503	7,466,726	6,745,144	1,639,214	3,772,122	12,013,367	6,632,050	7,977,261	48 434,926
2036	492,025	1,723,683	7,567,178	6,831,262	1,655,579	3,826,022	12,177,717	6,718,287	8,090,778	49 082,531
2037	498,669	1,744,212	7,670,604	6,919,451	1,672,268	3,881,159	12,345,935	6,806,918	8,206,832	49 746,048
2038	505,480	1,765,109	7,777,069	7,009,750	1,689,297	3,937,561	12,518,149	6,898,027	8,325,501	50 425,943
2039	512,461	1,786,364	7,886,617	7,102,211	1,706,665	3,995,282	12,694,416	6,991,675	8,446,849	51 122,540
2040	519,627	1,807,993	7,999,305	7,196,860	1,724,381	4,054,334	12,874,818	7,087,913	8,570,913	51 836,144

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										
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	138,382,859	695 488,533
2010	4,165,245	15,975,069	115,861,696	96,838,713	21,199,291	65,451,243	162,913,063	79,783,665	140,630,636	702 818,621
2011	4,312,749	16,227,456	118,144,577	98,455,171	22,329,460	67,334,014	168,660,581	81,659,849	144,264,115	721 387,972
Forecast										
2012	4,368,691	16,433,753	118,683,286	97,989,466	22,067,491	67,286,796	168,744,759	82,498,541	147,130,049	725 202,832
2013	4,261,777	16,281,100	118,605,413	96,648,534	20,993,978	66,034,493	167,948,643	82,294,781	145,690,983	718 759,702
2014	4,327,980	16,981,592	121,614,453	98,953,046	21,249,424	67,864,394	172,547,450	84,307,035	149,953,709	737 799,083
2015	4,391,507	17,770,212	124,976,078	101,406,176	21,660,917	69,939,496	177,542,093	86,735,697	153,789,568	758 211,744
2016	4,456,455	18,478,030	128,310,186	103,868,041	22,083,930	71,652,733	182,406,885	89,195,268	157,674,438	778 125,966
2017	4,529,195	19,069,699	131,547,287	106,240,176	22,496,327	73,536,756	187,296,855	91,572,200	161,446,105	797 734,600
2018	4,600,455	19,464,800	134,596,726	108,502,482	22,903,197	75,154,847	191,767,437	93,986,710	165,207,279	816 183,933
2019	4,673,067	19,868,430	137,730,810	110,819,467	23,318,178	76,807,462	196,357,885	96,456,326	169,061,108	835 092,733
2020	4,747,040	20,280,963	140,952,149	113,191,082	23,741,448	78,500,031	201,071,643	98,982,962	173,009,187	854 476,505
2021	4,822,434	20,702,549	144,263,392	115,620,386	24,173,185	80,231,598	205,911,906	101,575,497	177,053,355	874 354,302
2022	4,899,245	21,133,436	147,667,325	118,108,983	24,613,578	82,005,825	210,884,212	104,016,617	181,195,207	894 524,428
2023	4,977,527	21,573,870	151,166,816	120,656,874	25,062,817	83,823,895	215,992,558	106,524,707	185,435,474	915 214,538
2024	5,057,279	22,024,088	154,764,797	123,267,310	25,521,093	85,687,562	221,240,960	109,101,822	189,787,247	936 452,158
2025	5,138,550	22,484,406	158,464,284	125,942,053	25,988,612	87,597,566	226,633,748	111,750,092	194,253,669	958 252,980
2026	5,221,367	22,955,121	162,268,502	128,683,181	26,465,583	89,555,175	232,175,190	114,471,585	198,838,070	980 633,774
2027	5,305,747	23,436,463	166,180,635	131,492,632	26,952,213	91,561,707	237,869,824	117,268,615	203,543,726	1,003 611,562
2028	5,391,735	23,928,709	170,204,042	134,372,321	27,448,724	93,618,498	243,722,332	120,143,430	208,374,087	1,027 203,878
2029	5,479,357	24,432,201	174,342,188	137,324,299	27,955,333	95,726,959	249,737,392	123,098,435	213,332,792	1,051 428,956
2030	5,568,657	24,947,226	178,598,635	140,350,632	28,472,256	97,888,526	255,920,032	126,136,011	218,423,426	1,076 305,401
2031	5,659,651	25,474,144	182,977,097	143,453,471	28,999,740	100,104,657	262,275,284	129,258,723	223,649,756	1,101 852,523
2032	5,752,380	26,013,280	187,481,391	146,635,061	29,538,021	102,376,877	268,808,529	132,469,200	229,015,680	1,128 090,419
2033	5,846,878	26,564,929	192,115,467	149,897,718	30,087,339	104,706,770	275,525,223	135,770,124	234,525,023	1,155 039,471
2034	5,943,176	27,129,397	196,883,397	153,243,742	30,647,938	107,095,931	282,430,889	139,164,304	240,182,071	1,182 720,845
2035	6,041,312	27,707,080	201,789,420	156,675,644	31,220,090	109,546,045	289,531,427	142,654,614	245,991,059	1,211 156,691
2036	6,141,315	28,298,412	206,837,945	160,195,939	31,804,050	112,058,816	296,832,768	146,244,038	251,956,380	1,240 369,663
2037	6,243,225	28,903,697	212,033,417	163,807,267	32,400,076	114,636,031	304,341,204	149,935,643	258,082,633	1,270 383,193
2038	6,347,083	29,523,316	217,380,479	167,512,316	33,008,458	117,279,517	312,063,152	153,732,619	264,374,378	1,301 221,318
2039	6,452,930	30,157,679	222,883,955	171,313,884	33,629,477	119,991,134	320,005,147	157,638,247	270,836,403	1,332 908,856
2040	6,560,796	30,807,232	228,548,801	175,214,857	34,263,420	122,772,848	328,174,123	161,655,930	277,473,733	1,365 471,740

*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										
2008	4,606	9,595	17,054	29,715	7,027	23,002	32,504	20,851	31,631	175,985
2009	4,600	9,707	16,708	29,355	7,077	23,453	32,692	22,094	32,134	177,820
2010	4,382	8,952	15,570	27,586	6,285	22,427	30,874	20,432	29,299	165,807
2011	4,286	8,942	14,942	26,785	6,099	21,991	29,286	20,092	28,278	160,701
Forecast										
2012	4,315	8,996	15,065	27,123	6,156	22,242	29,569	20,317	28,603	162,386
2013	4,344	9,052	15,178	27,311	6,214	22,459	29,822	20,505	28,866	163,751
2014	4,372	9,096	15,292	27,505	6,273	22,665	30,075	20,705	29,141	165,124
2015	4,401	9,149	15,390	27,685	6,329	22,897	30,312	20,907	29,421	166,491
2016	4,432	9,219	15,524	27,898	6,390	23,141	30,619	21,133	29,720	168,076
2017	4,460	9,269	15,630	28,095	6,454	23,354	30,883	21,349	30,005	169,499
2018	4,491	9,331	15,764	28,311	6,515	23,601	31,169	21,552	30,291	171,025
2019	4,522	9,380	15,885	28,516	6,580	23,815	31,438	21,760	30,594	172,490
2020	4,551	9,434	15,999	28,717	6,645	24,041	31,710	21,957	30,883	173,937
2021	4,583	9,495	16,132	28,926	6,714	24,300	32,013	22,196	31,180	175,539
2022	4,616	9,555	16,263	29,139	6,775	24,537	32,307	22,412	31,492	177,096
2023	4,649	9,626	16,396	29,360	6,848	24,792	32,629	22,652	31,831	178,783
2024	4,685	9,687	16,518	29,564	6,916	25,027	32,942	22,876	32,144	180,359
2025	4,717	9,753	16,631	29,772	6,983	25,261	33,234	23,105	32,461	181,917
2026	4,750	9,816	16,746	29,976	7,051	25,491	33,527	23,335	32,781	183,473
2027	4,784	9,881	16,866	30,183	7,119	25,723	33,825	23,569	33,104	185,054
2028	4,818	9,947	16,987	30,391	7,187	25,956	34,126	23,802	33,433	186,647
2029	4,852	10,015	17,104	30,606	7,258	26,187	34,433	24,043	33,768	188,266
2030	4,887	10,082	17,226	30,816	7,329	26,424	34,748	24,299	34,106	189,917
2031	4,922	10,149	17,351	31,029	7,399	26,664	35,064	24,555	34,445	191,578
2032	4,958	10,215	17,473	31,238	7,470	26,905	35,382	24,814	34,786	193,241
2033	4,994	10,285	17,597	31,459	7,543	27,149	35,712	25,076	35,131	194,946
2034	5,030	10,353	17,721	31,673	7,617	27,401	36,040	25,348	35,482	196,665
2035	5,068	10,422	17,849	31,889	7,691	27,661	36,384	25,632	35,844	198,440
2036	5,106	10,492	17,975	32,108	7,766	27,922	36,730	25,920	36,211	200,230
2037	5,145	10,564	18,108	32,331	7,843	28,189	37,091	26,220	36,581	202,072
2038	5,184	10,639	18,239	32,565	7,922	28,457	37,452	26,521	36,958	203,937
2039	5,223	10,715	18,371	32,796	8,005	28,732	37,829	26,831	37,339	205,841
2040	5,263	10,794	18,507	33,030	8,092	29,019	38,217	27,148	37,726	207,796

*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

Listed 35 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
ECP	ASO	NORTHWEST FLORIDA BEACHES INTL	PANAMA CITY, FL
ELP	ASW	EL PASO INTL	EL PASO, TX
EUG	ANM	MAHLON SWEET FIELD	EUGENE, OR
FAI	AAL	FAIRBANKS INTL	FAIRBANKS, AK
FAT	AWP	FRESNO YOSEMITE INTL	FRESNO, CA
FNT	AGL	BISHOP INTL	FLINT, MI
FSD	AGL	JOE FOSS FIELD	SIOUX FALLS, SD
GEG	ANM	SPOKANE INTL	SPOKANE, WA
GPT	ASO	GULFPORT-BILOXI INTL	GULFPORT, MS
GRR	AGL	GERALD R. FORD INTL	GRAND RAPIDS, MI
GSN	AWP	FRANCISCO C. ADA/SAIPAN INTL	SAIPAN ISLAND, 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
MDT	AEA	HARRISBURG INTL	HARRISBURG, PA

Table B-3.
List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
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
SRQ	ASO	SARASOTA/BRADENTON INTL	SARASOTA/BRADENTON , FL
STT	ASO	CYRIL E KING	CHARLOTTE AMALIE, VI
SYR	AEA	SYRACUSE HANCOCK INTL	SYRACUSE, NY
TUL	ASW	TULSA INTL	TULSA, OK
TUS	AWP	TUCSON INTL	TUCSON, AZ
TYS	ASO	MC GHEE TYSON	KNOXVILLE, TN
XNA	ASW	NORTHWEST ARKANSAS RGNL	FAYETTEVILLE/SPRINGDALE/, AR

Listed 74 Airports.

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
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
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
FAR	AGL	HECTOR INTL	FARGO, ND
FAY	ASO	FAYETTEVILLE RGNL/GRANNIS FIELD	FAYETTEVILLE, NC
FCM	AGL	FLYING CLOUD	MINNEAPOLIS, MN
FDK	AEA	FREDERICK MUNI	FREDERICK, MD

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
FFZ	AWP	FALCON FLD	MESA, AZ
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FLO	ASO	FLORENCE RGNL	FLORENCE, SC
FMN	ASW	FOUR CORNERS RGNL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FOE	ACE	FORBES FIELD	TOPEKA, KS
FOK	AEA	FRANCIS S GABRESKI	WESTHAMPTON BEACH, NY
FPR	ASO	ST LUCIE COUNTY INTL	FORT PIERCE, FL
FRG	AEA	REPUBLIC	FARMINGDALE, NY
FSM	ASW	FORT SMITH RGNL	FORT SMITH, AR
FTG	ANM	FRONT RANGE	DENVER, CO
FTW	ASW	FORT WORTH MEACHAM INTL	FORT WORTH, TX
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FWA	AGL	FORT WAYNE INTL	FORT WAYNE, IN
FWS	ASW	FORT WORTH SPINKS	FORT WORTH, TX
FXE	ASO	FORT LAUDERDALE EXECUTIVE	FORT LAUDERDALE, FL
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GCK	ACE	GARDEN CITY RGNL	GARDEN CITY, KS
GCN	AWP	GRAND CANYON NATIONAL PARK	GRAND CANYON, AZ
GEU	AWP	GLENDALE MUNI	GLENDALE, AZ
GFK	AGL	GRAND FORKS INTL	GRAND FORKS, ND
GGG	ASW	EAST TEXAS RGNL	LONGVIEW, TX
GJT	ANM	GRAND JUNCTION REGIONAL	GRAND JUNCTION, CO
GKY	ASW	ARLINGTON MUNI	ARLINGTON, TX
GLH	ASO	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
GRB	AGL	AUSTIN STRAUBEL INTL	GREEN BAY, WI
GRI	ACE	CENTRAL NEBRASKA RGNL	GRAND ISLAND, NE
GTF	ANM	GREAT FALLS INTL	GREAT FALLS, MT
GTR	ASO	GOLDEN TRIANGLE RGNL	COLUMBUS/W POINT/STARKVILLE , MS
GTU	ASW	GEORGETOWN MUNI	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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
HUT	ACE	HUTCHINSON MUNI	HUTCHINSON, KS
HVN	ANE	TWEED-NEW HAVEN	NEW HAVEN, CT
HWD	AWP	HAYWARD EXECUTIVE	HAYWARD, CA
HWO	ASO	NORTH PERRY	HOLLYWOOD, FL
HXD	ASO	HILTON HEAD	HILTON HEAD ISLAND, SC
HYA	ANE	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYANNIS, MA
HYI	ASW	SAN MARCOS MUNI	SAN MARCOS, TX
IAG	AEA	NIAGARA FALLS INTL	NIAGARA FALLS, NY
IDA	ANM	IDAHO FALLS RGNL	IDAHO FALLS, ID
IFP	AWP	LAUGHLIN/BULLHEAD INTL	BULLHEAD CITY, AZ
ILG	AEA	NEW CASTLE	WILMINGTON, DE
INT	ASO	SMITH REYNOLDS	WINSTON SALEM, NC
IPT	AEA	WILLIAMSPORT RGNL	WILLIAMSPORT, PA
ISM	ASO	KISSIMMEE GATEWAY	ORLANDO, FL
ISO	ASO	KINSTON RGNL JETPORT AT STALLINGS FLD	KINSTON, NC
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	ATWATER, CA
MFD	AGL	MANSFIELD LAHM RGNL	MANSFIELD, OH
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
MFR	ANM	ROGUE VALLEY INTL - MEDFORD	MEDFORD, OR

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
MGM	ASO	MONTGOMERY RGNL (DANNELLY FIELD)	MONTGOMERY, AL
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MHK	ACE	MANHATTAN RGNL	MANHATTAN, KS
MHR	AWP	SACRAMENTO MATHER	SACRAMENTO, CA
MIC	AGL	CRYSTAL	MINNEAPOLIS, MN
MIE	AGL	DELAWARE COUNTY RGNL	MUNCIE, IN
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
PGD	ASO	PUNTA GORDA	PUNTA GORDA, FL
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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
PMP	ASO	POMPANO BEACH AIRPARK	POMPANO BEACH, FL
PNE	AEA	NORTHEAST PHILADELPHIA	PHILADELPHIA, PA
POC	AWP	BRACKETT FIELD	LA VERNE, CA
POU	AEA	DUTCHESS COUNTY	POUGHKEEPSIE, NY
PRC	AWP	ERNEST A. LOVE FIELD	PRESCOTT, AZ
PSC	ANM	TRI-CITIES	PASCO, WA
PTK	AGL	OAKLAND COUNTY INTL	PONTIAC, MI
PUB	ANM	PUEBLO MEMORIAL	PUEBLO, CO
PVU	ANM	PROVO MUNI	PROVO, UT
PWA	ASW	WILEY POST	OKLAHOMA CITY, OK
PWK	AGL	CHICAGO EXECUTIVE	CHICAGO/PROSPECT HEIGHTS/WHEELING , IL
RAL	AWP	RIVERSIDE 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
SGF	ACE	SPRINGFIELD-BRANSON NATIONAL	SPRINGFIELD, MO
SGJ	ASO	NORTHEAST FLORIDA RGNL	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

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
STC	AGL	ST CLOUD RGNL	ST CLOUD, MN
STJ	ACE	ROSECRANS MEMORIAL	ST JOSEPH, MO
STP	AGL	ST PAUL DOWNTOWN HOLMAN FLD	ST PAUL, MN
STS	AWP	CHARLES M. SCHULZ - SONOMA COUNTY	SANTA ROSA, CA
STX	ASO	HENRY E ROHLSEN	CHRISTIANSTED, VI
SUA	ASO	WITHAM FIELD	STUART, FL
SUN	ANM	FRIEDMAN MEMORIAL	HAILEY, ID
SUS	ACE	SPIRIT OF ST LOUIS	ST LOUIS, MO
SUX	ACE	SIOUX GATEWAY/COL. BUD DAY FIELD	SIOUX CITY, IA
SWF	AEA	STEWART INTL	NEWBURGH, NY
SWO	ASW	STILLWATER RGNL	STILLWATER, OK
TCL	ASO	TUSCALOOSA RGNL	TUSCALOOSA, AL
TEB	AEA	TETERBORO	TETERBORO, NJ
TIW	ANM	TACOMA NARROWS	TACOMA, WA
TIX	ASO	SPACE COAST RGNL	TITUSVILLE, FL
TKI	ASW	COLLIN COUNTY RGNL AT MC KINNEY	DALLAS, TX
TLH	ASO	TALLAHASSEE RGNL	TALLAHASSEE, FL
TMB	ASO	KENDALL-TAMIAMI EXECUTIVE	MIAMI, FL
TOA	AWP	ZAMPERINI FIELD	TORRANCE, CA
TOL	AGL	TOLEDO EXPRESS	TOLEDO, OH
TOP	ACE	PHILIP BILLARD MUNI	TOPEKA, KS
TRI	ASO	TRI-CITIES RGNL TN/VA	BRISTOL/JOHNSON/KINGSPORT, TN
TTD	ANM	PORTLAND-TROUTDALE	PORTLAND, OR
TTN	AEA	TRENTON MERCER	TRENTON, NJ
TUP	ASO	TUPELO RGNL	TUPELO, MS
TVC	AGL	CHERRY CAPITAL	TRAVERSE CITY, MI
TWF	ANM	JOSLIN FIELD - MAGIC VALLEY RGNL	TWIN FALLS, ID
TXK	ASW	TEXARKANA RGNL-WEBB FIELD	TEXARKANA, AR
TYR	ASW	TYLER POUNDS RGNL	TYLER, TX
TZR	AGL	BOLTON FIELD	COLUMBUS, OH
UES	AGL	WAUKESHA COUNTY	WAUKESHA, WI
UGN	AGL	WAUKEGAN RGNL	CHICAGO/WAUKEGAN, IL
UNV	AEA	UNIVERSITY PARK	STATE COLLEGE, PA
VCT	ASW	VICTORIA RGNL	VICTORIA, TX
VCV	AWP	SOUTHERN CALIFORNIA LOGISTICS	VICTORVILLE, CA
VGT	AWP	NORTH LAS VEGAS	LAS VEGAS, NV
VNY	AWP	VAN NUYS	VAN NUYS, CA
VQQ	ASO	CECIL	JACKSONVILLE, FL
VRB	ASO	VERO BEACH MUNI	VERO BEACH, FL
WDG	ASW	ENID WOODRING RGNL	ENID, OK
WHP	AWP	WHITEMAN	LOS ANGELES, CA
WJF	AWP	GENERAL WM J FOX AIRFIELD	LANCASTER, CA
XFL	ASO	FLAGLER COUNTY	PALM COAST, FL
YIP	AGL	WILLOW RUN	DETROIT, MI
YKM	ANM	YAKIMA AIR TERMINAL/MCALLISTER FIELD	YAKIMA, WA
YNG	AGL	YOUNGSTOWN-WARREN RGNL	YOUNGSTOWN/WARREN, OH

Listed 376 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
FDK	AEA	FREDERICK MUNI	FREDERICK, MD
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FMN	ASW	FOUR CORNERS RGNL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FOE	ACE	FORBES FIELD	TOPEKA, KS
FOK	AEA	FRANCIS S GABRESKI	WESTHAMPTON BEACH, NY
FTG	ANM	FRONT RANGE	DENVER, CO
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FWS	ASW	FORT WORTH SPINKS	FORT WORTH, TX
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GCK	ACE	GARDEN CITY RGNL	GARDEN CITY, KS
GEU	AWP	GLENDALE MUNI	GLENDALE, AZ
GJT	ANM	GRAND JUNCTION REGIONAL	GRAND JUNCTION, CO
GKY	ASW	ARLINGTON MUNI	ARLINGTON, TX
GLH	ASO	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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
HOB	ASW	LEA COUNTY RGNL	HOBBS, NM
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	ATWATER, CA
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
MFR	ANM	ROGUE VALLEY INTL - MEDFORD	MEDFORD, OR

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MHK	ACE	MANHATTAN RGNL	MANHATTAN, KS
MHR	AWP	SACRAMENTO MATHER	SACRAMENTO, CA
MIE	AGL	DELAWARE COUNTY RGNL	MUNCIE, IN
MKK	AWP	MOLOKAI	KAUNAKAKAI, HI
MKL	ASO	MC KELLAR-SIPES RGNL	JACKSON, TN
MLB	ASO	MELBOURNE INTL	MELBOURNE, FL
MOD	AWP	MODESTO CITY-CO-HARRY SHAM FLD	MODESTO, CA
MOT	AGL	MINOT INTL	MINOT, ND
MQY	ASO	SMYRNA	SMYRNA, TN
MSO	ANM	MISSOULA INTL	MISSOULA, MT
MTN	AEA	MARTIN STATE	BALTIMORE, MD
MVY	ANE	MARTHAS VINEYARD	VINEYARD HAVEN, MA
MWA	AGL	WILLIAMSON COUNTY RGNL	MARION, IL
MWC	AGL	LAWRENCE J TIMMERMAN	MILWAUKEE, WI
NQA	ASO	MILLINGTON RGNL JETPORT	MILLINGTON, TN
OCF	ASO	OCALA INTL-JIM TAYLOR FIELD	OCALA, FL
OGD	ANM	OGDEN-HINCKLEY	OGDEN, UT
OJC	ACE	JOHNSON COUNTY EXECUTIVE	OLATHE, KS
OLM	ANM	OLYMPIA RGNL	OLYMPIA, WA
OLV	ASO	OLIVE BRANCH	OLIVE BRANCH, MS
OMN	ASO	ORMOND BEACH MUNI	ORMOND BEACH, FL
OPF	ASO	OPA- LOCKA EXECUTIVE	MIAMI, FL
ORH	ANE	WORCESTER RGNL	WORCESTER, MA
OSH	AGL	WITTMAN RGNL	OSHKOSH, WI
OSU	AGL	OHIO STATE UNIVERSITY	COLUMBUS, OH
OTH	ANM	SOUTHWEST OREGON RGNL	NORTH BEND, OR
OUN	ASW	UNIVERSITY OF OKLAHOMA WESTHEIMER	NORMAN, OK
OWB	ASO	OWENSBORO-DAVIESS COUNTY	OWENSBORO, KY
OWD	ANE	NORWOOD MEMORIAL	NORWOOD, MA
OXC	ANE	WATERBURY-OXFORD	OXFORD, CT
OXR	AWP	OXNARD	OXNARD, CA
PAH	ASO	BARKLEY RGNL	PADUCAH, KY
PDT	ANM	EASTERN OREGON RGNL AT PENDLETON	PENDLETON, OR
PGD	ASO	PUNTA GORDA	PUNTA GORDA, FL
PIH	ANM	POCATELLO RGNL	POCATELLO, ID
PKB	AEA	MID-OHIO VALLEY RGNL	PARKERSBURG, WV
PMD	AWP	PALMDALE 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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
RYN	AWP	RYAN FIELD	TUCSON, AZ
RYY	ASO	COBB COUNTY-MC COLLUM FIELD	ATLANTA, GA
SAC	AWP	SACRAMENTO EXECUTIVE	SACRAMENTO, CA
SAF	ASW	SANTA FE MUNI	SANTA FE, NM
SAW	AGL	SAWYER INTL	MARQUETTE, MI
SBP	AWP	SAN LUIS COUNTY RGNL	SAN LUIS OBISPO, CA
SBY	AEA	SALISBURY-OCEAN CITY WICOMICO RGNL	SALISBURY, MD
SDM	AWP	BROWN FIELD MUNI	SAN DIEGO, CA
SFF	ANM	FELTS FIELD	SPOKANE, WA
SGJ	ASO	NORTHEAST FLORIDA RGNL	ST AUGUSTINE, FL
SGR	ASW	SUGAR LAND RGNL	HOUSTON, TX
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SJT	ASW	SAN ANGELO RGNL/MATHIS FIELD	SAN ANGELO, TX
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA 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
VCT	ASW	VICTORIA RGNL	VICTORIA, TX
VCV	AWP	SOUTHERN CALIFORNIA LOGISTICS	VICTORVILLE, CA
VQQ	ASO	CECIL	JACKSONVILLE, FL
WDG	ASW	ENID WOODRING RGNL	ENID, OK
WHP	AWP	WHITEMAN	LOS ANGELES, CA
WJF	AWP	GENERAL WM J FOX AIRFIELD	LANCASTER, CA
XFL	ASO	FLAGLER COUNTY	PALM COAST, FL
XNA	ASW	NORTHWEST ARKANSAS RGNL	FAYETTEVILLE/SPRINGDALE/, AR
YKM	ANM	YAKIMA AIR TERMINAL/MCALLISTER FIELD	YAKIMA, WA

Listed 250 Airports.