



**Federal Aviation
Administration**

Terminal Area Forecast Summary

Fiscal Years 2013 - 2040

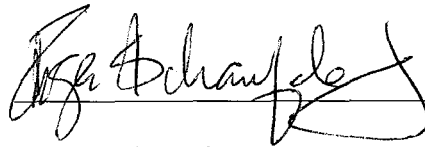
Preface

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 2013-2033*. The final TAF considers the forecasts and assumptions contained in *FAA Aerospace Forecasts, Fiscal Years 2014-2034*. The tables for the national forecasts can be found at http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/aerospace_forecasts/2014-2034/.

The TAF is available on the Internet. The TAF model and TAF database can be accessed at http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/. The TAF model allows users to create their own forecast scenarios. It contains a query data application that allows the public to access and print historical (1990 to 2012) and forecast (2013 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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made accessing and analyzing this airport data so much more efficient.

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

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Summary Historical and Forecast Highlights

- A total of 730.8 million passengers were enplaned at U.S. airports in 2012; FAA and Federal contract towered airports accounted for 726.5 million enplanements.
- The top 100 air carrier airports accounted for 687.3 million enplanements in 2012, or 94 percent of total U.S. enplanements.
- FAA towers handled 36.3 million operations (takeoffs and landings) in 2012, including 20.1 million commercial aircraft operations.
- FAA contract towers handled 14.4 million operations in 2012, including 1.7 million commercial operations.
- The Core airports¹ enplaned 520.4 million passengers in 2012. These airports are projected to enplane 876.1 million passengers in 2040, a 68.4 percent increase over the forecast period (or 1.9 percent annually).
- The 29 large hub airports² enplaned 516.7 million passengers in 2012. These airports are projected to enplane 872.7 million passengers in 2040, a 68.9 percent increase over the 28-year period (or 1.9 percent annually).
- The 34 medium hub airports³ recorded 126.6 million enplanements in 2012. These airports are projected to enplane 207.1 million passengers in 2040, a 63.5 percent increase over the 28-year period (or 1.8 percent annually).
- Atlanta (45.4 million enplanements), Chicago O'Hare (32.3 million), Los Angeles (31.3 million), Dallas/Ft. Worth (27.8 million), and Denver (25.7 million) led U.S. commercial airports in passenger enplanements, accounting for 22.2 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 74.8 million enplaned passengers in 2040. Los Angeles is projected to enplane the second most passengers (53.6 million) in 2040, followed by Chicago O'Hare with 52.5 million enplanements.
- Enplanements at Newark, Boston, and John F. Kennedy airports are projected to grow fastest among the Core airports. The annual growth rates at these airports are forecast to increase by 2.2, 2.1, and 2.1 percent per year, respectively, over the forecast period.
- In terms of total operations, Atlanta was the busiest U.S. airport in 2012 with 931,000 aircraft operations. Chicago O'Hare and Dallas/Ft. Worth were the second and third busiest airports with 879,000 and 646,000 operations, respectively.
- In 2040, Atlanta is expected to remain the busiest airport in the nation, as measured by total operations, with a projected 1.43 million operations. Chicago O'Hare

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.

(1.35 million operations) is projected to stay in second place and Dallas/Ft. Worth (1.08 million operations) is projected to stay in third place. Los Angeles (988.9 thousand operations) is projected to move into fourth place.

- The FAA's Southern region airports enplaned more passengers than any other region with 170.8 million passengers in 2012, or 23 percent of U.S. enplanements. The Western Pacific region was second with 148.7 million enplanements, or 20 percent of the total.
- The Southern region is expected to lead in passenger enplanements in 2040, reaching 279.9 million. The Western Pacific region is projected to stay in sec-

ond place with 253.2 million enplanements.

- The Southern region led all FAA regions in the number of airport operations with 22.3 million in 2012. The Southern region is expected to remain first in 2040 with 26.6 million operations. The Western Pacific and Great Lakes regions ran second and third in airport operations in 2012 with 16.5 and 15.7 million, respectively. In 2040, the Western Pacific region is projected to remain in second place with 19.8 million operations and the Great Lakes region is projected to remain in third place with 18.3 million operations.

Forecast Process

Introduction

The Terminal Area Forecast (TAF) contains historical and forecast data for enplanements, airport operations, tracon operations, and based aircraft. The data cover 264 FAA towered airports, 251 Federal contract tower airports, 31 terminal radar approach control facilities, and 2,817 non-FAA airports. Data in the TAF are presented on a U.S. Government fiscal year basis (October through September).

The TAF is available on the Internet. The TAF model and TAF database can be accessed at http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/. The TAF model allows users to create their own forecast scenarios. The TAF database allows public access to historical and forecast aviation activity data by individual airport, state, or FAA region. In addition, links to the TAF from previous years are available via the address noted above.

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

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

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

Data on operations presented in the TAF show historical information from 1990 through 2012 and forecasts for 2013 to 2040.⁴ The historical enplanement information in the TAF model is from 1976 through 2012 and the 2013 figures represent estimates. The enplanement forecasts are from 2014 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 2013 are actual.

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

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

The short run (6 quarters) forecasts of passenger enplanements and operations for the hub airports are produced using models at the segment pair level. These models incorporate the use of trend analysis, seasonality, and future airline schedules and the results are aggregated to produce annual airport forecasts.

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

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

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

Forecast Review Process

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

mitment 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 2014-2034*. Reasons for the differences are three-fold. First, the TAF forecast methods consider airport and market specific trends. Second, the TAF and national forecast measurements vary. For example, the TAF includes facilities not serviced by the FAA in its totals. These facilities make up a large share of total general aviation operations. In addition, the TAF includes enplanements at U.S. airports only, whereas the national forecast includes enplanements on U.S. airlines at both U.S. and foreign airports. Finally, individual forecasts are not scaled to force aggregates to equal national totals.

Data Sources

The development of the TAF begins with an update of the latest historical enplanement, operation, and based aircraft statistics, using information derived from several sources. FAA's National Flight Data Center provides general airport information such as the airport name, location, and location identifier. Airport operations and tracon (radar assisted)

operations data for airports with FAA and Federal contract air traffic control services are reported by FAA air traffic and Federal contract tower staff. Operations at non-FAA airports are taken from FAA Form 5010 reports on aviation activity at the airport as estimated by FAA inspectors or information provided by airport managers, state aviation activity surveys, and other sources.

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

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

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

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

TAF and National Forecast Totals

Near-Term Forecasts

In 2013 total operations at FAA and contract towers declined 1.3 percent, commercial operations decreased 1.3 percent, and non-commercial operations decreased 1.2 percent based on OPSNET. Total enplanements at all airports were estimated to increase 0.2 percent in 2013.

In 2014 total operations at towers are forecast to increase 0.8 percent. This forecast increase in total operations at FAA and contract towers is attributable to forecast increases in air carrier (1.4 percent), itinerant general aviation (0.4 percent), and local civil operations (2.7 percent). Total enplanements at all airports are forecast to increase 1.7 percent in 2014.

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 2014 – 2034* show aircraft operations growing at an average annual rate of 1.0 percent over the 21-year forecast period. Average annual growth rates for this period by user group are as follows: air carrier, 2.6 percent; air taxi/commuter, -0.1 percent; itinerant general aviation, 0.5 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 251 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 2009 through 2040. The Southern (22.3 million operations), Western Pacific (16.5 million), and Great Lakes (15.7 million) regions ranked as the top three FAA regions in airport operations in 2012. Operations for all TAF airports totaled 99.3 million. The Northwest Mountain, Southwest, and Eastern regions are projected to be the fastest growing FAA regions from 2012 to 2040 in terms of airport operations, increasing 33 percent, 24 percent, and 24 percent, respectively.

The Southern region led FAA regions in passengers enplaned with 170.8 million in 2012, followed by the Western Pacific region with 148.7 million passengers. Enplanements in the Southwest region are projected to increase the most in percentage terms increasing 74 percent from 2012 to 2040. The next two regions with the fastest projected increase in enplanements are New England (71 percent) and Western Pacific (70 percent).

In 2012, there was a national total of 163,400 based aircraft. Southern (30,200 aircraft),

Western Pacific (28,100), and Great Lakes (26,600) ranked as the top three FAA regions.

Large, Medium, and Small Hubs

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

The 29 large hub airports enplaned 516.7 million passengers in 2012 while the 34 medium and 77 small hub airports enplaned 126.6 and 63.9 million passengers, respectively. The 375 non-hub airports enplaned 19.2 million passengers. Enplanements at large hubs are expected to increase at an annual rate of 1.9 percent over the 2012 to 2040 forecast period. Medium and small hub airports are forecast to increase 1.8 percent and 1.5 percent annually, respectively, during the forecast period.

Operations at large hub airports totaled 12.5 million compared to 5.3 million and 7.1 million at medium and small hub airports, respectively. Operations at large hub airports are forecast to increase at an annual rate of 1.6 percent from 2012 to 2040, growing to 19.4 million. Operations at the medium hubs are forecast to rise at an annual rate of 1.3 percent from 2012 to 2040; aircraft operations at small hub airports are forecast to grow 0.8 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 2012 (45.4 million enplanements), followed by Chicago O'Hare (32.3 million), Los Angeles (31.3 million), and Dallas/Ft. Worth (27.8 million). Dallas/Ft. Worth and Los Angeles are forecast to have the strongest growth in enplanements among the top four airports, increasing at annual rates of 2.1 percent and 1.9 percent, respectively, over the 2012 to 2040 forecast period. Atlanta and Chicago O'Hare are forecast to increase 1.8 percent each. Graph S-1 shows relative enplanements growth over the next 28 years. The five airports with the fastest projected increase are Newark, Boston, John F. Kennedy, Seattle, and Charlotte.

Newark, Boston, Washington Dulles, and San Diego are projected to make the largest upward movement in ranking of enplanements, each going up two rankings. LaGuardia and Washington National are projected to make the largest drop in rankings, each going down three rankings.

Table S-2 presents operations forecast summaries for the Core airports. In 2012, FAA controllers at Atlanta handled 931,000 landings and takeoffs, followed by Chicago O'Hare, which totaled 879,000 operations. The next busiest airports were Dallas/Ft. Worth and Denver with 646,000 and 618,000 airport operations, respectively.

In 2040, Atlanta is projected to stay in first place with 1.43 million operations. Chicago O'Hare (1.35 million operations) and Dallas/Ft. Worth (1.08 million operations) are projected to stay in second and third, respectively. Denver is projected to drop into sixth place with 908 thousand operations.

Graph S-2 shows that the three airports projected to grow the fastest in operations are Boston, John F. Kennedy, and Orlando. Newark 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	2012*		2013	2017	2040	Rate**	Airport Ranking	
			2012	Percent					2012	2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	45,376	6.20	45,255	48,883	74,845	1.80	1	1
ORD	AGL	CHICAGO O'HARE INTL	32,260	4.41	31,959	35,413	52,484	1.75	2	3
LAX	AWP	LOS ANGELES INTL	31,286	4.28	31,948	36,132	53,618	1.94	3	2
DFW	ASW	DALLAS/FORT WORTH INTL	27,779	3.80	28,894	32,029	49,421	2.07	4	4
DEN	ANM	DENVER INTL	25,677	3.51	25,413	26,903	40,713	1.65	5	6
JFK	AEA	JOHN F KENNEDY INTL	24,411	3.34	24,515	27,173	43,795	2.10	6	5
SFO	AWP	SAN FRANCISCO INTL	21,150	2.89	21,480	24,057	36,136	1.93	7	7
LAS	AWP	MC CARRAN INTL	19,894	2.72	19,683	21,883	35,140	2.05	8	9
CLT	ASO	CHARLOTTE/DOUGLAS INTL	19,750	2.70	20,851	23,112	35,222	2.08	9	8
PHX	AWP	PHOENIX SKY HARBOR INTL	19,595	2.68	19,466	21,296	33,843	1.97	10	10
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	19,135	2.61	18,779	20,907	33,110	1.97	11	11
MIA	ASO	MIAMI INTL	18,987	2.59	19,109	20,811	30,510	1.70	12	13
MCO	ASO	ORLANDO INTL	17,245	2.35	16,942	18,180	30,439	2.05	13	14
EWB	AEA	NEWARK LIBERTY INTL	17,229	2.35	17,191	19,395	31,515	2.18	14	12
SEA	ANM	SEATTLE-TACOMA INTL	16,067	2.19	16,537	18,719	28,691	2.09	15	15
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	15,881	2.17	16,104	17,893	25,908	1.76	16	16
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	15,668	2.14	15,604	17,094	24,517	1.61	17	18
PHL	AEA	PHILADELPHIA INTL	14,701	2.01	14,687	16,002	23,973	1.76	18	19
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	14,328	1.96	14,532	16,418	25,889	2.13	19	17
LGA	AEA	LA GUARDIA	12,615	1.72	13,226	13,822	17,376	1.15	20	23
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	11,411	1.56	11,503	12,275	20,005	2.02	21	20
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	11,150	1.52	10,970	11,456	17,474	1.61	22	22
IAD	AEA	WASHINGTON DULLES INTL	10,938	1.49	10,561	11,389	18,895	1.97	23	21
SLC	ANM	SALT LAKE CITY INTL	9,608	1.31	9,633	10,566	16,253	1.89	24	24
MDW	AGL	CHICAGO MIDWAY INTL	9,384	1.28	9,729	10,755	15,953	1.91	25	25
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	9,295	1.27	9,830	10,181	12,800	1.14	26	29
HNL	AWP	HONOLULU INTL	9,014	1.23	9,500	10,107	15,000	1.83	27	27
SAN	AWP	SAN DIEGO INTL	8,684	1.18	8,811	9,707	15,197	2.01	28	26
TPA	ASO	TAMPA INTL	8,206	1.12	8,254	8,902	13,961	1.91	29	28
MEM	ASO	MEMPHIS INTL	3,662	0.50	2,521	2,296	3,430	-0.23	30	30
Totals			520,386	71.08	523,487	573,756	876,113	1.87		

*Percent of total US enplanements.

**Annual compound growth rate.

**Graph S-1. Enplanements Growth Rates for the Core
Airports - 2012 to 2040**

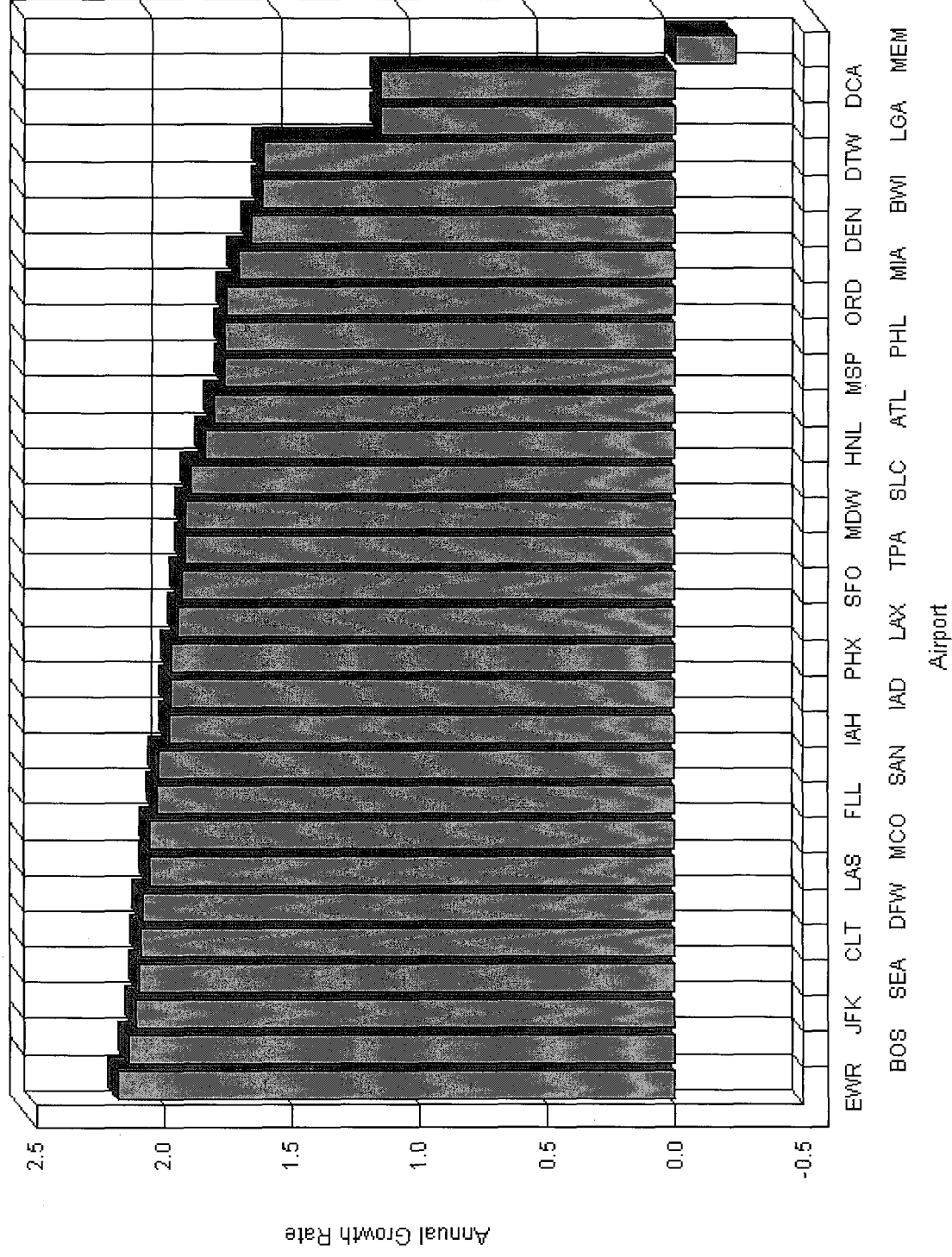


Table S-2.
Airport Operations at the Core Airports
(In Thousands)

Loc ID	Reg	Airport Name	2012*		2013	2017	2040	Rate**	Airport Ranking	
			2012	Percent					2012	2040
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	931	0.93	914	972	1,433	1.54	1	1
ORD	AGL	CHICAGO O'HARE INTL	879	0.88	878	941	1,354	1.55	2	2
DFW	ASW	DALLAS/FORT WORTH INTL	646	0.65	677	735	1,077	1.84	3	3
DEN	ANM	DENVER INTL	618	0.62	593	630	908	1.38	4	6
LAX	AWP	LOS ANGELES INTL	609	0.61	606	660	989	1.74	5	4
CLT	ASO	CHARLOTTE/DOUGLAS INTL	550	0.55	555	600	909	1.80	6	5
LAS	AWP	MC CARRAN INTL	531	0.53	521	557	822	1.56	7	7
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	517	0.52	504	545	809	1.60	8	8
PHX	AWP	PHOENIX SKY HARBOR INTL	454	0.45	437	470	722	1.66	9	10
PHL	AEA	PHILADELPHIA INTL	448	0.45	435	467	689	1.55	10	12
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	433	0.43	426	450	642	1.42	11	15
EWR	AEA	NEWARK LIBERTY INTL	426	0.42	416	460	737	1.97	12	9
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	426	0.42	429	455	622	1.36	13	17
SFO	AWP	SAN FRANCISCO INTL	423	0.42	417	449	670	1.66	14	13
JFK	AEA	JOHN F KENNEDY INTL	412	0.41	409	448	718	2.00	15	11
MIA	ASO	MIAMI INTL	393	0.39	397	427	626	1.67	16	16
LGA	AEA	LA GUARDIA	377	0.37	371	388	388	0.11	17	25
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	364	0.36	361	403	649	2.08	18	14
IAD	AEA	WASHINGTON DULLES INTL	345	0.34	334	362	529	1.53	19	19
SLC	ANM	SALT LAKE CITY INTL	330	0.33	331	347	487	1.39	20	21
SEA	ANM	SEATTLE-TACOMA INTL	312	0.31	313	341	521	1.84	21	20
MCO	ASO	ORLANDO INTL	311	0.31	300	327	539	1.98	22	18
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	288	0.28	295	307	310	0.26	23	29
MEM	ASO	MEMPHIS INTL	283	0.28	240	217	363	0.90	24	27
HNL	AWP	HONOLULU INTL	272	0.27	284	294	417	1.53	25	24
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	272	0.27	260	279	423	1.58	26	23
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	264	0.26	257	276	424	1.70	27	22
MDW	AGL	CHICAGO MIDWAY INTL	253	0.25	251	264	372	1.39	28	26
TPA	ASO	TAMPA INTL	189	0.19	186	198	296	1.60	29	30
SAN	AWP	SAN DIEGO INTL	187	0.18	188	203	317	1.89	30	28
Totals			12,743	12.67	12,585	13,472	19,762	1.57		

*Percent of total US operations.

**Annual compound growth rate.

[illegible]

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

Region/State	FAA Towers	Contract Towers
Northwest Mountain Region		
Colorado	6	3
Idaho	2	4
Montana	3	3
Oregon	3	7
Utah	1	2
Washington	6	7
Wyoming	1	2
Regional Total	22	28
Southern Region		
Alabama	4	3
Florida	18	25
Georgia	5	6
Kentucky	4	2
Mississippi	2	7
North Carolina	6	5
Puerto Rico	1	2
South Carolina	5	4
Tennessee	5	3
Virgin Islands	1	1
Regional Total	51	58
Southwestern Region		
Arkansas	2	5
Louisiana	7	5
New Mexico	2	4
Oklahoma	3	6
Texas	19	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	251

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2012

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
1	ATLANTA	GA	ATL	45,375,804	6.20	45,375,804	6.20	923,655	923,655
2	CHICAGO	IL	ORD	32,259,977	4.41	77,635,781	10.62	871,373	1,795,028
3	LOS ANGELES	CA	LAX	31,285,937	4.28	108,921,718	14.90	588,047	2,383,075
4	DALLAS-FORT WORTH	TX	DFW	27,779,315	3.80	136,701,033	18.70	640,386	3,023,461
5	DENVER	CO	DEN	25,677,047	3.51	162,378,080	22.21	614,526	3,637,987
6	NEW YORK	NY	JFK	24,411,428	3.34	186,789,508	25.55	403,764	4,041,751
7	SAN FRANCISCO	CA	SFO	21,149,905	2.89	207,939,413	28.45	406,042	4,447,793
8	LAS VEGAS	NV	LAS	19,894,071	2.72	227,833,484	31.17	484,201	4,931,994
9	CHARLOTTE	NC	CLT	19,749,711	2.70	247,583,195	33.87	524,370	5,456,364
10	PHOENIX	AZ	PHX	19,594,750	2.68	267,177,945	36.55	430,816	5,887,180
11	HOUSTON	TX	IAH	19,135,490	2.61	286,313,435	39.17	505,169	6,392,349
12	MIAMI	FL	MIA	18,986,897	2.59	305,300,332	41.77	374,570	6,766,919
13	ORLANDO	FL	MCO	17,244,532	2.35	322,544,864	44.13	294,551	7,061,470
14	NEWARK	NJ	EWR	17,229,050	2.35	339,773,914	46.49	414,828	7,476,298
15	SEATTLE	WA	SEA	16,067,006	2.19	355,840,920	48.69	308,320	7,784,618
16	MINNEAPOLIS	MN	MSP	15,880,990	2.17	371,721,910	50.86	410,751	8,195,369
17	DETROIT	MI	DTW	15,668,066	2.14	387,389,976	53.00	426,309	8,621,678
18	PHILADELPHIA	PA	PHL	14,700,700	2.01	402,090,676	55.01	433,127	9,054,805
19	BOSTON	MA	BOS	14,327,794	1.96	416,418,470	56.97	348,308	9,403,113
20	NEW YORK	NY	LGA	12,614,930	1.72	429,033,400	58.70	369,640	9,772,753
21	FORT LAUDERDALE	FL	FLL	11,411,314	1.56	440,444,714	60.26	227,809	10,000,562
22	BALTIMORE	MD	BWI	11,150,293	1.52	451,595,007	61.79	254,732	10,255,294
23	WASHINGTON	DC	IAD	10,937,534	1.49	462,532,541	63.28	300,892	10,556,186
24	SALT LAKE CITY	UT	SLC	9,608,499	1.31	472,141,040	64.60	269,130	10,825,316
25	CHICAGO	IL	MDW	9,384,266	1.28	481,525,306	65.88	211,801	11,037,117
26	WASHINGTON	DC	DCA	9,295,223	1.27	490,820,529	67.15	280,223	11,317,340
27	HONOLULU	HI	HNL	9,014,375	1.23	499,834,904	68.39	214,947	11,532,287
28	SAN DIEGO	CA	SAN	8,683,813	1.18	508,518,717	69.58	177,036	11,709,323
29	TAMPA	FL	TPA	8,205,611	1.12	516,724,328	70.70	165,364	11,874,687
30	PORTLAND	OR	PDX	7,051,223	0.96	523,775,551	71.66	188,320	12,063,007
31	ST LOUIS	MO	STL	6,185,446	0.84	529,960,997	72.51	181,513	12,244,520
32	HOUSTON	TX	HOU	5,001,876	0.68	534,962,873	73.19	140,960	12,385,480
33	KANSAS CITY	MO	MCI	4,941,495	0.67	539,904,368	73.87	131,112	12,516,592
34	OAKLAND	CA	OAK	4,873,025	0.66	544,777,393	74.54	134,426	12,651,018
35	NASHVILLE	TN	BNA	4,784,231	0.65	549,561,624	75.19	142,181	12,793,199
36	AUSTIN	TX	AUS	4,550,544	0.62	554,112,168	75.81	112,785	12,905,984
37	RALEIGH/DURHAM	NC	RDU	4,489,095	0.61	558,601,263	76.43	141,391	13,047,375
38	SACRAMENTO	CA	SMF	4,371,019	0.59	562,972,282	77.03	100,651	13,148,026
39	CLEVELAND	OH	CLE	4,358,234	0.59	567,330,516	77.62	174,568	13,322,594
40	SANTA ANA	CA	SNA	4,304,764	0.58	571,635,280	78.21	91,758	13,414,352

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2012

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
41	NEW ORLEANS	LA	MSY	4,276,552	0.58	575,911,832	78.80	102,617	13,516,969
42	SAN JUAN	PR	SJU	4,154,575	0.56	580,066,407	79.37	137,652	13,654,621
43	SAN JOSE	CA	SJC	4,056,720	0.55	584,123,127	79.92	103,485	13,758,106
44	SAN ANTONIO	TX	SAT	4,026,752	0.55	588,149,879	80.47	117,439	13,875,545
45	MILWAUKEE	WI	MKE	3,935,847	0.53	592,085,726	81.01	124,489	14,000,034
46	PITTSBURGH	PA	PIT	3,931,010	0.53	596,016,736	81.55	119,595	14,119,629
47	DALLAS	TX	DAL	3,899,014	0.53	599,915,750	82.08	119,764	14,239,393
48	MEMPHIS	TN	MEM	3,662,139	0.50	603,577,889	82.58	262,125	14,501,518
49	FORT MYERS	FL	RSW	3,600,070	0.49	607,177,959	83.08	69,817	14,571,335
50	INDIANAPOLIS	IN	IND	3,586,867	0.49	610,764,826	83.57	140,176	14,711,511
51	COLUMBUS	OH	CMH	3,112,305	0.42	613,877,131	83.99	107,892	14,819,403
52	COVINGTON	KY	CVG	3,008,919	0.41	616,886,050	84.40	141,982	14,961,385
53	KAHULUI	HI	OGG	2,792,943	0.38	619,678,993	84.79	104,674	15,066,059
54	WEST PALM BEACH	FL	PBI	2,785,950	0.38	622,464,943	85.17	77,198	15,143,257
55	ALBUQUERQUE	NM	ABQ	2,702,855	0.36	625,167,798	85.54	95,134	15,238,391
56	WINDSOR LOCKS	CT	BDL	2,662,619	0.36	627,830,417	85.90	81,455	15,319,846
57	JACKSONVILLE	FL	JAX	2,614,856	0.35	630,445,273	86.26	70,776	15,390,622
58	BUFFALO	NY	BUF	2,590,957	0.35	633,036,230	86.61	81,487	15,472,109
59	ANCHORAGE	AK	ANC	2,236,764	0.30	635,272,994	86.92	184,051	15,656,160
60	ONTARIO	CA	ONT	2,164,414	0.29	637,437,408	87.22	70,244	15,726,404
61	BURBANK	CA	BUR	2,056,440	0.28	639,493,848	87.50	66,670	15,793,074
62	OMAHA	NE	OMA	2,019,658	0.27	641,513,506	87.77	75,699	15,868,773
63	PROVIDENCE	RI	PVD	1,844,767	0.25	643,358,273	88.03	52,065	15,920,838
64	OKLAHOMA CITY	OK	OKC	1,795,074	0.24	645,153,347	88.27	62,829	15,983,667
65	TUCSON	AZ	TUS	1,741,910	0.23	646,895,257	88.51	54,926	16,038,593
66	RENO	NV	RNO	1,701,573	0.23	648,596,830	88.74	50,615	16,089,208
67	NORFOLK	VA	ORF	1,637,030	0.22	650,233,860	88.97	62,934	16,152,142
68	LOUISVILLE	KY	SDF	1,631,782	0.22	651,865,642	89.19	133,189	16,285,331
69	LONG BEACH	CA	LGB	1,588,186	0.21	653,453,828	89.41	35,608	16,320,939
70	RICHMOND	VA	RIC	1,583,158	0.21	655,036,986	89.62	66,944	16,387,883
71	SPOKANE	WA	GEG	1,464,107	0.20	656,501,093	89.82	45,842	16,433,725
72	AGANA	GU	GUM	1,456,725	0.19	657,957,818	90.02	27,305	16,461,030
73	EL PASO	TX	ELP	1,447,391	0.19	659,405,209	90.22	59,881	16,520,911
74	BIRMINGHAM	AL	BHM	1,428,109	0.19	660,833,318	90.42	57,038	16,577,949
75	KAILUA/KONA	HI	KOA	1,341,665	0.18	662,174,983	90.60	45,968	16,623,917
76	TULSA	OK	TUL	1,338,192	0.18	663,513,175	90.78	54,919	16,678,836
77	BOISE	ID	BOI	1,328,465	0.18	664,841,640	90.97	47,106	16,725,942
78	CHARLESTON	SC	CHS	1,291,776	0.17	666,133,416	91.14	52,702	16,778,644
79	DAYTON	OH	DAY	1,271,627	0.17	667,405,043	91.32	46,674	16,825,318
80	LIHUE	HI	LIH	1,264,592	0.17	668,669,635	91.49	87,514	16,912,832

Table S-4.
Ranking of Top 100 FAA Towers by Total Enplanements, FY 2012

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
81	MANCHESTER	NH	MHT	1,249,199	0.17	669,918,834	91.66	47,004	16,959,836
82	ALBANY	NY	ALB	1,226,450	0.16	671,145,284	91.83	51,507	17,011,343
83	ROCHESTER	NY	ROC	1,197,581	0.16	672,342,865	91.99	52,497	17,063,840
84	LITTLE ROCK	AR	LIT	1,109,559	0.15	673,452,424	92.14	46,435	17,110,275
85	GRAND RAPIDS	MI	GRR	1,066,501	0.14	674,518,925	92.29	44,775	17,155,050
86	DES MOINES	IA	DSM	989,016	0.13	675,507,941	92.43	44,854	17,199,904
87	SYRACUSE	NY	SYR	964,513	0.13	676,472,454	92.56	48,091	17,247,995
88	WHITE PLAINS	NY	HPN	939,341	0.12	677,411,795	92.69	64,693	17,312,688
89	GREER	SC	GSP	933,389	0.12	678,345,184	92.81	38,896	17,351,584
90	GREENSBORO	NC	GSO	892,958	0.12	679,238,142	92.94	48,902	17,400,486
91	AKRON	OH	CAK	891,437	0.12	680,129,579	93.06	29,970	17,430,456
92	KNOXVILLE	TN	TYS	855,153	0.11	680,984,732	93.18	45,154	17,475,610
93	PALM SPRINGS	CA	PSP	849,073	0.11	681,833,805	93.29	32,008	17,507,618
94	ORLANDO	FL	SFB	838,651	0.11	682,672,456	93.41	13,934	17,521,552
95	COLORADO SPRINGS	CO	COS	811,961	0.11	683,484,417	93.52	32,930	17,554,482
96	PORTLAND	ME	PWM	802,169	0.10	684,286,586	93.63	33,739	17,588,221
97	SAVANNAH	GA	SAV	781,626	0.10	685,068,212	93.73	36,427	17,624,648
98	MADISON	WI	MSN	779,031	0.10	685,847,243	93.84	31,421	17,656,069
99	MYRTLE BEACH	SC	MYR	744,540	0.10	686,591,783	93.94	89,121	17,745,190
100	PENSACOLA	FL	PNS	738,013	0.10	687,329,796	94.04	29,803	17,774,993
Total of airports 101 thru 515				39,126,178	5.385	726,455,974	99.43	4,090,107	21,865,100

*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				Annual Compound Growth Rate 2012-2040
	Count	2012	2040	
Large Hubs	29	516,724,328	872,685,671	1.88
Medium Hubs	34	126,633,945	207,105,899	1.77
Small Hubs	77	63,871,759	96,428,368	1.48
Non Hub Towers	375	19,225,942	32,253,515	1.86
Total	515	726,455,974	1,208,473,453	1.83

Operations at Towered Airports				Annual Compound Growth Rate 2012-2040
	Count	2012	2040	
Large Hubs	29	12,461,871	19,398,270	1.59
Medium Hubs	34	5,310,856	7,729,367	1.34
Small Hubs	77	7,085,752	8,846,717	0.79
Non Hub Towers	375	25,796,314	29,595,033	0.49
Total	515	50,654,793	65,569,387	0.92

**Table S-6.
Commercial Airport Operations Summary by Region***

Fiscal Year	Northwest					Western				
	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Pacific (AWP)	National Total
Historical										
2009	863,852	797,311	3,828,240	3,962,948	1,047,415	2,553,249	5,353,298	2,754,591	4,300,173	25,461,077
2010	892,164	754,260	3,754,714	3,959,346	1,007,159	2,509,593	5,287,964	2,739,246	4,213,301	25,117,747
2011	967,043	753,863	3,752,492	3,930,017	999,862	2,474,806	5,229,181	2,728,233	4,276,445	25,111,942
2012	978,588	750,262	3,748,561	3,801,157	984,577	2,357,975	5,157,408	2,705,244	4,402,743	24,886,515
Forecast										
2013	974,908	725,854	3,678,863	3,769,075	955,108	2,297,822	5,089,214	2,729,569	4,377,240	24,597,653
2014	964,385	724,759	3,724,781	3,790,858	970,871	2,295,539	5,040,231	2,747,402	4,384,739	24,643,565
2015	973,070	736,780	3,794,552	3,853,443	988,098	2,337,412	5,135,340	2,811,665	4,466,562	25,096,922
2016	981,933	748,394	3,857,461	3,915,704	1,005,020	2,379,366	5,230,350	2,874,160	4,548,649	25,541,027
2017	991,963	760,510	3,920,728	3,980,978	1,023,018	2,424,713	5,335,160	2,938,631	4,635,560	26,011,261
2018	1,002,070	773,107	3,985,834	4,047,380	1,041,480	2,471,480	5,444,589	3,002,126	4,725,051	26,493,117
2019	1,012,196	785,800	4,052,897	4,115,916	1,060,271	2,517,711	5,554,344	3,064,706	4,814,636	26,978,477
2020	1,022,707	798,156	4,117,745	4,181,508	1,078,572	2,560,573	5,659,018	3,123,724	4,901,290	27,443,293
2021	1,032,990	809,087	4,174,648	4,238,787	1,095,175	2,598,056	5,751,166	3,176,040	4,977,513	27,853,462
2022	1,043,576	819,701	4,230,031	4,293,999	1,111,424	2,635,288	5,844,520	3,226,962	5,051,625	28,257,126
2023	1,054,341	830,715	4,287,929	4,350,061	1,128,538	2,673,027	5,944,436	3,278,055	5,127,604	28,674,706
2024	1,065,464	842,479	4,349,476	4,409,580	1,146,691	2,713,086	6,051,517	3,330,471	5,208,566	29,117,330
2025	1,076,927	854,485	4,411,812	4,468,997	1,165,083	2,752,904	6,161,284	3,382,912	5,290,228	29,564,632
2026	1,088,183	866,452	4,473,887	4,527,838	1,183,578	2,792,360	6,271,583	3,435,117	5,372,027	30,011,025
2027	1,099,783	878,767	4,537,753	4,587,140	1,202,375	2,831,569	6,389,830	3,486,883	5,455,023	30,469,123
2028	1,111,196	891,408	4,602,309	4,647,595	1,221,762	2,872,235	6,512,354	3,541,194	5,540,921	30,940,974
2029	1,122,829	904,353	4,666,964	4,709,485	1,240,918	2,915,461	6,633,607	3,598,396	5,628,633	31,420,646
2030	1,134,495	918,017	4,735,305	4,774,843	1,260,907	2,960,294	6,758,770	3,658,816	5,718,847	31,920,294
2031	1,146,434	931,124	4,801,444	4,839,978	1,280,202	3,007,141	6,872,800	3,720,520	5,806,285	32,405,928
2032	1,158,405	944,159	4,868,363	4,907,045	1,299,798	3,054,525	6,984,511	3,782,508	5,894,257	32,893,571
2033	1,170,334	957,389	4,935,792	4,974,175	1,319,039	3,102,194	7,094,664	3,844,336	5,983,023	33,380,946
2034	1,182,503	970,542	5,002,137	5,040,201	1,338,486	3,149,075	7,202,260	3,905,153	6,071,762	33,862,119
2035	1,195,119	983,834	5,069,443	5,107,977	1,358,036	3,196,497	7,310,017	3,966,475	6,162,974	34,350,372
2036	1,207,772	997,353	5,136,947	5,175,899	1,378,218	3,244,025	7,417,340	4,027,746	6,255,742	34,841,042
2037	1,220,251	1,010,316	5,201,404	5,241,943	1,397,685	3,291,099	7,521,404	4,087,828	6,349,029	35,320,959
2038	1,232,964	1,023,046	5,265,544	5,305,918	1,417,046	3,336,743	7,624,077	4,146,978	6,439,693	35,792,009
2039	1,245,499	1,035,505	5,323,651	5,367,766	1,436,059	3,382,050	7,724,757	4,205,126	6,528,801	36,249,214
2040	1,258,047	1,047,818	5,380,519	5,428,857	1,454,755	3,427,113	7,822,721	4,263,200	6,614,242	36,697,272

*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		Southern (ASO)	Southwest (ASW)	Western Pacific (AWP)		National Total
						Mountain (ANM)						
Historical												
2009	1,351,738	2,758,391	7,343,988	9,586,355	2,518,570	6,850,054		15,188,042	8,054,784	10,937,507		64,589,429
2010	1,376,104	2,670,201	7,313,851	9,379,074	2,460,657	6,668,185		14,798,667	7,957,586	10,499,065		63,123,390
2011	1,512,326	2,671,104	7,192,883	9,149,345	2,308,904	6,548,769		14,711,588	7,980,812	10,500,556		62,576,287
2012	1,515,354	2,690,523	7,191,580	9,006,152	2,317,060	6,434,950		14,620,128	7,678,646	10,558,620		62,013,013
Forecast												
2013	1,507,683	2,634,343	7,028,391	8,883,956	2,240,851	6,353,955		14,506,520	7,671,299	10,512,958		61,339,956
2014	1,500,958	2,632,889	7,094,896	8,921,627	2,255,831	6,361,324		14,496,914	7,717,311	10,535,678		61,517,428
2015	1,510,645	2,648,087	7,179,459	9,001,004	2,275,464	6,442,668		14,617,005	7,803,802	10,634,166		62,112,300
2016	1,520,523	2,662,903	7,257,319	9,080,294	2,294,810	6,523,209		14,737,312	7,888,886	10,733,102		62,698,358
2017	1,531,581	2,678,275	7,335,765	9,162,633	2,315,246	6,607,738		14,867,736	7,976,320	10,837,041		63,312,335
2018	1,542,732	2,694,155	7,416,240	9,246,291	2,336,159	6,694,325		15,003,096	8,063,164	10,943,748		63,939,910
2019	1,553,914	2,710,170	7,498,841	9,332,147	2,357,415	6,781,028		15,139,110	8,149,446	11,050,740		64,572,811
2020	1,565,496	2,725,884	7,579,411	9,415,255	2,378,194	6,865,033		15,270,386	8,232,542	11,154,992		65,187,193
2021	1,576,864	2,740,211	7,652,146	9,490,252	2,397,292	6,944,118		15,389,475	8,309,342	11,248,995		65,748,695
2022	1,588,548	2,754,259	7,723,576	9,563,404	2,416,050	7,023,650		15,510,131	8,385,145	11,341,098		66,305,861
2023	1,600,424	2,768,748	7,797,717	9,637,609	2,435,684	7,104,409		15,637,708	8,461,467	11,435,272		66,879,038
2024	1,612,671	2,784,024	7,875,697	9,715,337	2,456,374	7,188,386		15,772,829	8,539,511	11,534,637		67,479,466
2025	1,625,277	2,799,585	7,954,658	9,793,206	2,477,319	7,272,892		15,910,996	8,618,048	11,634,908		68,086,889
2026	1,637,691	2,815,147	8,033,558	9,870,755	2,498,381	7,357,873		16,050,070	8,696,786	11,735,533		68,695,794
2027	1,650,463	2,831,100	8,114,452	9,949,017	2,519,761	7,443,492		16,197,458	8,775,526	11,837,568		69,318,837
2028	1,663,064	2,847,422	8,196,232	10,028,685	2,541,746	7,531,476		16,349,522	8,857,264	11,942,724		69,958,135
2029	1,675,900	2,864,096	8,278,320	10,110,081	2,563,515	7,622,930		16,500,709	8,942,336	12,049,923		70,607,810
2030	1,688,784	2,881,545	8,364,011	10,195,203	2,586,135	7,716,931		16,656,207	9,031,118	12,159,855		71,279,789
2031	1,701,956	2,898,495	8,447,735	10,280,387	2,608,075	7,813,912		16,800,992	9,121,657	12,267,247		71,940,456
2032	1,715,177	2,915,434	8,532,460	10,367,805	2,630,331	7,912,413		16,943,866	9,212,971	12,375,405		72,605,862
2033	1,728,372	2,932,627	8,617,938	10,455,568	2,652,249	8,012,211		17,085,608	9,304,625	12,484,603		73,273,801
2034	1,741,826	2,949,805	8,702,567	10,542,546	2,674,387	8,112,250		17,225,211	9,395,774	12,594,021		73,938,387
2035	1,755,744	2,967,189	8,788,402	10,631,561	2,696,646	8,213,905		17,365,414	9,487,942	12,706,171		74,612,974
2036	1,769,714	2,984,864	8,874,683	10,721,025	2,719,554	8,316,758		17,505,631	9,580,609	12,820,137		75,292,975
2037	1,783,529	3,002,053	8,958,173	10,808,936	2,741,764	8,420,254		17,643,038	9,672,628	12,934,889		75,965,264
2038	1,797,594	3,019,082	9,041,591	10,895,097	2,763,884	8,523,462		17,779,516	9,764,265	13,047,280		76,631,771
2039	1,811,500	3,035,909	9,119,235	10,979,463	2,785,675	8,627,508		17,914,478	9,855,478	13,158,389		77,287,635
2040	1,825,435	3,052,668	9,195,901	11,063,395	2,807,165	8,732,506		18,047,195	9,947,201	13,266,115		77,937,581

*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	Northwest						Western			
	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Pacific (AWP)	National Total
Historical										
2009	1,660,471	4,777,805	11,706,050	16,611,264	4,120,734	11,098,284	23,019,362	13,779,597	17,294,645	104,068,212
2010	1,658,071	4,659,989	11,531,856	16,287,317	4,006,733	10,794,569	22,430,989	13,477,225	16,498,267	101,345,016
2011	1,846,649	4,673,290	11,269,548	15,825,578	3,728,948	10,533,555	22,409,048	13,397,406	16,422,212	100,106,234
2012	1,844,131	4,740,615	11,169,965	15,653,643	3,766,936	10,346,539	22,273,778	13,033,449	16,475,328	99,304,384
Forecast										
2013	1,841,617	4,668,507	10,980,669	15,473,221	3,632,142	10,343,765	22,237,689	13,061,788	16,520,891	98,760,289
2014	1,838,226	4,679,103	11,095,297	15,561,251	3,648,750	10,388,263	22,327,108	13,177,463	16,620,675	99,336,136
2015	1,848,842	4,695,718	11,199,296	15,661,351	3,669,300	10,501,012	22,470,653	13,286,505	16,734,519	100,067,196
2016	1,859,658	4,711,960	11,296,879	15,761,668	3,689,566	10,612,042	22,614,769	13,394,537	16,848,956	100,790,035
2017	1,871,663	4,728,767	11,395,395	15,864,993	3,710,929	10,727,566	22,769,360	13,505,304	16,968,540	101,542,517
2018	1,883,772	4,746,095	11,496,234	15,969,870	3,732,774	10,845,710	22,929,240	13,615,863	17,091,036	102,310,594
2019	1,895,923	4,763,570	11,599,513	16,077,143	3,754,964	10,964,447	23,090,148	13,726,264	17,213,966	103,085,938
2020	1,908,482	4,780,753	11,701,455	16,181,926	3,776,682	11,081,049	23,246,687	13,833,863	17,334,310	103,845,207
2021	1,920,837	4,796,556	11,795,146	16,278,822	3,796,723	11,193,148	23,391,432	13,935,598	17,444,547	104,552,809
2022	1,933,518	4,812,096	11,888,230	16,374,152	3,816,428	11,306,219	23,538,134	14,036,730	17,553,039	105,258,546
2023	1,946,400	4,828,085	11,984,345	16,470,802	3,837,011	11,421,152	23,692,162	14,138,803	17,663,760	105,982,520
2024	1,959,662	4,844,873	12,084,633	16,571,116	3,858,654	11,539,909	23,854,132	14,243,038	17,779,832	106,735,849
2025	1,973,293	4,861,963	12,186,252	16,671,839	3,880,557	11,659,834	24,019,559	14,348,208	17,896,966	107,498,471
2026	1,986,743	4,879,065	12,288,150	16,772,562	3,902,582	11,780,921	24,186,325	14,454,034	18,014,623	108,265,005
2027	2,000,563	4,896,571	12,392,400	16,874,329	3,924,928	11,903,355	24,361,823	14,560,324	18,133,851	109,048,144
2028	2,014,220	4,914,457	12,497,894	16,977,838	3,947,885	12,028,893	24,542,442	14,670,094	18,256,368	109,850,091
2029	2,028,123	4,932,706	12,604,061	17,083,432	3,970,630	12,158,654	24,722,636	14,783,681	18,381,092	110,665,015
2030	2,042,085	4,951,747	12,713,932	17,193,112	3,994,232	12,291,748	24,907,598	14,901,488	18,508,722	111,504,664
2031	2,056,347	4,970,298	12,822,208	17,303,214	4,017,160	12,428,610	25,082,314	15,021,557	18,633,986	112,335,694
2032	2,070,668	4,988,854	12,931,879	17,415,913	4,040,411	12,567,807	25,255,593	15,142,923	18,760,191	113,174,239
2033	2,084,974	5,007,675	13,042,700	17,529,329	4,063,326	12,709,150	25,428,227	15,265,164	18,887,608	114,018,153
2034	2,099,549	5,026,493	13,153,075	17,642,354	4,086,465	12,851,590	25,599,217	15,387,438	19,015,425	114,861,606
2035	2,114,603	5,045,532	13,265,069	17,757,795	4,109,730	12,996,531	25,771,320	15,511,297	19,146,154	115,718,031
2036	2,129,719	5,064,878	13,377,926	17,874,085	4,133,647	13,143,587	25,943,949	15,636,211	19,278,887	116,582,889
2037	2,144,692	5,083,750	13,488,418	17,989,225	4,156,870	13,292,222	26,114,295	15,761,047	19,412,588	117,443,107
2038	2,159,925	5,102,479	13,599,274	18,103,019	4,180,007	13,441,546	26,284,249	15,886,091	19,544,111	118,300,701
2039	2,175,012	5,121,020	13,704,805	18,215,447	4,202,820	13,592,692	26,453,225	16,011,312	19,674,553	119,150,886
2040	2,190,141	5,139,507	13,809,804	18,327,861	4,225,338	13,745,830	26,620,523	16,137,658	19,801,803	119,998,465

*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			Western		
						Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Pacific (AWP)	National Total	
Historical											
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	
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	
Forecast											
2013	358,581	1,239,629	5,676,943	5,215,434	1,363,177	2,775,624	9,179,526	5,160,831	6,014,158	36,983,903	
2014	345,312	1,230,861	5,711,019	5,232,359	1,374,666	2,760,495	9,128,592	5,179,569	6,023,504	36,986,377	
2015	350,453	1,247,491	5,797,117	5,308,368	1,395,481	2,804,423	9,249,447	5,259,175	6,118,294	37,530,249	
2016	355,707	1,263,618	5,876,999	5,383,674	1,415,918	2,848,335	9,370,162	5,336,904	6,212,904	38,064,222	
2017	362,071	1,280,436	5,957,509	5,462,415	1,437,597	2,895,765	9,501,768	5,417,079	6,312,835	38,627,475	
2018	368,470	1,297,844	6,040,691	5,542,930	1,459,800	2,944,578	9,638,670	5,496,603	6,415,315	39,204,901	
2019	374,824	1,315,333	6,125,991	5,625,433	1,482,323	2,992,861	9,776,094	5,575,125	6,517,886	39,785,870	
2020	381,511	1,332,349	6,208,517	5,704,190	1,504,197	3,037,526	9,907,690	5,649,665	6,616,634	40,342,279	
2021	387,896	1,347,647	6,281,424	5,772,007	1,523,954	3,076,446	10,024,538	5,716,494	6,704,133	40,834,539	
2022	394,516	1,362,424	6,351,948	5,836,466	1,543,148	3,114,701	10,141,227	5,781,488	6,788,846	41,314,764	
2023	401,291	1,377,427	6,424,589	5,902,247	1,563,127	3,153,067	10,263,759	5,846,386	6,874,892	41,806,785	
2024	408,365	1,393,267	6,501,371	5,972,317	1,584,239	3,193,667	10,394,069	5,912,923	6,965,733	42,325,951	
2025	415,723	1,409,175	6,578,351	6,041,894	1,605,454	3,233,649	10,526,112	5,979,172	7,056,603	42,846,133	
2026	422,827	1,425,017	6,654,854	6,110,424	1,626,663	3,273,041	10,658,687	6,045,051	7,147,442	43,364,006	
2027	430,207	1,440,857	6,732,026	6,177,840	1,647,905	3,311,482	10,797,264	6,109,874	7,238,222	43,885,677	
2028	437,358	1,456,975	6,809,687	6,246,241	1,669,697	3,351,120	10,939,951	6,177,226	7,331,353	44,419,608	
2029	444,664	1,473,849	6,888,870	6,317,722	1,691,547	3,393,929	11,083,721	6,248,412	7,428,086	44,970,800	
2030	451,960	1,491,713	6,972,688	6,393,665	1,714,444	3,438,501	11,232,772	6,323,397	7,528,134	45,547,274	
2031	459,459	1,509,800	7,056,819	6,472,234	1,737,192	3,486,415	11,374,832	6,401,157	7,628,390	46,126,298	
2032	466,930	1,528,144	7,142,702	6,553,586	1,760,468	3,535,241	11,515,935	6,479,808	7,730,176	46,712,990	
2033	474,305	1,546,720	7,229,238	6,635,642	1,783,360	3,584,312	11,655,492	6,558,349	7,832,714	47,300,132	
2034	481,855	1,565,271	7,314,607	6,716,403	1,806,403	3,632,464	11,792,358	6,635,813	7,935,144	47,880,318	
2035	489,789	1,584,016	7,401,130	6,799,031	1,829,591	3,681,145	11,929,651	6,713,936	8,040,129	48,468,418	
2036	497,695	1,603,115	7,487,997	6,881,829	1,853,457	3,729,867	12,066,687	6,792,083	8,146,629	49,059,359	
2037	505,358	1,621,594	7,571,526	6,962,427	1,876,510	3,778,033	12,200,195	6,868,905	8,253,395	49,637,943	
2038	513,192	1,639,887	7,654,581	7,040,572	1,899,376	3,824,673	12,332,061	6,944,709	8,357,357	50,206,408	
2039	520,778	1,657,884	7,731,298	7,116,222	1,921,839	3,870,813	12,461,524	7,019,380	8,460,023	50,759,761	
2040	528,316	1,675,759	7,806,669	7,190,864	1,943,909	3,916,613	12,568,017	7,093,879	8,558,841	51,302,867	

**Table S-10.
Enplanements Summary by Region***

Fiscal Year	Alaska (AAL)	Central (ACE)	Eastern (AEA)	Great Lakes (AGL)	New England (ANE)	Northwest			Western		
						Mountain (ANM)	Southern (ASO)	Southwest (ASW)	Pacific (AWP)	National Total	
Historical											
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	4,377,025	16,247,278	118,328,419	98,579,675	22,367,970	67,510,844	169,095,789	81,703,579	144,759,533	722,970,112	
2012	4,375,174	16,347,132	119,786,838	98,406,273	22,244,268	67,852,291	170,751,801	82,327,322	148,736,038	730,827,137	
Forecast											
2013	4,423,159	16,319,227	119,705,020	97,834,775	22,290,604	68,154,544	170,272,096	83,462,643	150,165,185	732,627,253	
2014	4,661,507	16,385,224	121,182,678	100,641,956	23,286,541	69,138,458	170,970,786	85,328,295	153,569,765	745,165,210	
2015	4,734,039	16,778,120	123,955,223	102,918,024	23,854,896	70,865,380	175,015,010	87,989,459	157,403,892	763,514,043	
2016	4,804,147	17,157,765	126,689,283	105,177,421	24,402,420	72,579,708	179,017,332	90,602,422	161,200,512	781,631,010	
2017	4,885,239	17,555,439	129,559,384	107,529,606	24,993,952	74,424,335	183,425,402	93,083,934	165,207,169	800,664,460	
2018	4,969,918	17,954,383	132,461,358	109,907,214	25,588,386	76,300,938	187,970,527	95,547,572	169,283,166	819,983,462	
2019	5,049,617	18,358,081	135,397,804	112,339,419	26,186,362	78,151,317	192,461,307	97,952,148	173,321,606	839,217,661	
2020	5,124,493	18,753,080	138,237,367	114,654,571	26,765,028	79,851,582	196,658,668	100,168,516	177,203,241	857,416,546	
2021	5,190,123	19,094,941	140,807,668	116,628,508	27,260,470	81,311,020	200,277,857	102,137,039	180,594,609	873,302,235	
2022	5,253,689	19,420,856	143,307,655	118,513,142	27,735,456	82,759,874	203,821,717	104,041,519	183,860,032	888,713,940	
2023	5,315,813	19,756,094	145,873,674	120,440,942	28,234,907	84,251,257	207,511,242	105,986,654	187,177,543	904,548,126	
2024	5,384,314	20,115,815	148,573,350	122,503,544	28,776,208	85,861,499	211,469,781	108,005,216	190,709,091	921,398,818	
2025	5,456,103	20,480,797	151,285,769	124,557,027	29,316,121	87,470,424	215,430,148	110,036,518	194,258,937	938,291,844	
2026	5,525,713	20,840,522	153,993,264	126,584,450	29,856,535	89,063,601	219,421,761	112,078,406	197,822,455	955,186,707	
2027	5,598,449	21,204,560	156,718,271	128,605,576	30,399,271	90,659,106	223,522,960	114,152,953	201,380,878	972,242,024	
2028	5,668,974	21,574,567	159,459,840	130,649,113	30,952,825	92,322,273	227,672,327	116,334,012	205,046,784	989,680,715	
2029	5,742,390	21,964,447	162,262,415	132,766,735	31,511,781	94,053,470	231,982,729	118,580,997	208,839,001	1,007,703,965	
2030	5,817,635	22,376,654	165,185,438	135,007,938	32,104,440	95,860,352	236,463,590	120,931,188	212,776,356	1,026,523,591	
2031	5,895,849	22,789,150	168,116,027	137,279,596	32,693,993	97,676,218	240,953,655	123,243,386	216,687,925	1,045,335,799	
2032	5,971,541	23,197,003	171,096,951	139,619,228	33,299,537	99,522,887	245,488,757	125,540,491	220,630,807	1,064,367,202	
2033	6,049,579	23,612,224	174,086,386	141,964,061	33,896,732	101,354,292	249,946,536	127,826,667	224,617,050	1,083,353,527	
2034	6,130,514	24,020,754	177,049,005	144,279,439	34,497,476	103,172,678	254,300,179	130,079,778	228,590,303	1,102,120,126	
2035	6,215,991	24,438,154	180,072,024	146,651,160	35,108,009	105,018,228	258,685,110	132,352,695	232,676,366	1,121,217,737	
2036	6,300,347	24,856,295	183,087,379	149,046,731	35,732,280	106,873,950	263,078,813	134,633,811	236,848,545	1,140,458,151	
2037	6,381,945	25,263,571	186,034,628	151,373,798	36,338,271	108,709,834	267,356,546	136,864,657	241,033,423	1,159,356,673	
2038	6,467,983	25,659,739	188,982,047	153,660,998	36,944,838	110,494,413	271,610,997	139,070,922	245,111,677	1,178,003,614	
2039	6,551,494	26,051,174	191,877,979	155,882,069	37,536,654	112,254,203	275,797,949	141,230,820	249,147,631	1,196,329,973	
2040	6,634,229	26,438,242	194,736,727	158,055,817	38,109,698	114,010,609	279,905,745	143,387,624	253,162,344	1,214,441,035	

*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			Western			
						Southern (ASO)	Southwest (ASW)	Pacific (AWP)	National Total			
Historical												
2009	4,600	9,707	16,714	29,240	7,077	23,453	32,684	22,094	32,134	177,703		
2010	4,382	8,952	15,622	27,477	6,285	22,427	30,866	20,432	29,299	165,742		
2011	4,286	8,942	14,983	26,683	6,099	21,991	29,278	20,092	28,278	160,632		
2012	4,567	9,361	15,378	26,600	5,803	21,998	30,212	21,312	28,120	163,351		
Forecast												
2013	4,595	9,397	15,484	26,780	5,859	22,215	30,475	21,499	28,367	164,671		
2014	4,622	9,440	15,597	26,966	5,915	22,419	30,724	21,699	28,634	166,016		
2015	4,650	9,490	15,694	27,136	5,969	22,649	30,960	21,896	28,905	167,349		
2016	4,680	9,555	15,828	27,338	6,028	22,896	31,253	22,128	29,197	168,903		
2017	4,707	9,602	15,935	27,525	6,089	23,108	31,512	22,339	29,475	170,292		
2018	4,737	9,660	16,070	27,731	6,148	23,357	31,796	22,544	29,754	171,797		
2019	4,767	9,707	16,192	27,926	6,210	23,569	32,057	22,748	30,045	173,221		
2020	4,794	9,756	16,307	28,118	6,273	23,793	32,327	22,948	30,326	174,642		
2021	4,825	9,811	16,440	28,320	6,339	24,050	32,629	23,181	30,614	176,209		
2022	4,856	9,869	16,572	28,519	6,398	24,286	32,919	23,397	30,918	177,734		
2023	4,887	9,935	16,706	28,730	6,468	24,544	33,227	23,640	31,246	179,383		
2024	4,921	9,993	16,825	28,924	6,534	24,776	33,533	23,861	31,551	180,918		
2025	4,951	10,054	16,939	29,122	6,599	25,008	33,819	24,092	31,858	182,442		
2026	4,982	10,113	17,055	29,316	6,665	25,236	34,108	24,324	32,168	183,967		
2027	5,014	10,173	17,176	29,513	6,731	25,467	34,400	24,560	32,481	185,515		
2028	5,046	10,235	17,298	29,711	6,797	25,699	34,695	24,795	32,800	187,076		
2029	5,078	10,297	17,416	29,914	6,866	25,930	34,996	25,037	33,124	188,658		
2030	5,111	10,359	17,540	30,114	6,935	26,165	35,308	25,295	33,451	190,278		
2031	5,144	10,421	17,667	30,316	7,003	26,403	35,618	25,553	33,779	191,904		
2032	5,178	10,483	17,791	30,514	7,072	26,640	35,930	25,814	34,109	193,531		
2033	5,212	10,548	17,917	30,724	7,142	26,880	36,255	26,078	34,444	195,200		
2034	5,246	10,611	18,043	30,927	7,213	27,127	36,578	26,352	34,785	196,882		
2035	5,282	10,676	18,173	31,132	7,284	27,381	36,915	26,638	35,136	198,617		
2036	5,318	10,741	18,301	31,340	7,356	27,636	37,254	26,928	35,492	200,366		
2037	5,355	10,808	18,437	31,553	7,430	27,897	37,609	27,230	35,851	202,170		
2038	5,392	10,878	18,571	31,776	7,506	28,160	37,965	27,534	36,217	203,999		
2039	5,429	10,949	18,706	31,996	7,586	28,429	38,335	27,847	36,587	205,864		
2040	5,466	11,023	18,845	32,219	7,669	28,709	38,716	28,171	36,962	207,780		

*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 MARSHALL	BALTIMORE, MD
CLT	ASO	CHARLOTTE/DOUGLAS INTL	CHARLOTTE, NC
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	WASHINGTON, DC
DEN	ANM	DENVER INTL	DENVER, CO
DFW	ASW	DALLAS/FORT WORTH INTL	DALLAS-FORT WORTH, TX
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	DETROIT, MI
EWR	AEA	NEWARK LIBERTY INTL	NEWARK, NJ
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	FORT LAUDERDALE, FL
HNL	AWP	HONOLULU INTL	HONOLULU, HI
IAD	AEA	WASHINGTON DULLES INTL	WASHINGTON, DC
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	HOUSTON, TX
JFK	AEA	JOHN F KENNEDY INTL	NEW YORK, NY
LAS	AWP	MC CARRAN INTL	LAS VEGAS, NV
LAX	AWP	LOS ANGELES INTL	LOS ANGELES, CA
LGA	AEA	LA GUARDIA	NEW YORK, NY
MCO	ASO	ORLANDO INTL	ORLANDO, FL
MDW	AGL	CHICAGO MIDWAY INTL	CHICAGO, IL
MIA	ASO	MIAMI INTL	MIAMI, FL
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	MINNEAPOLIS, MN
ORD	AGL	CHICAGO O'HARE INTL	CHICAGO, IL
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
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 34 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
BHM	ASO	BIRMINGHAM-SHUTTLESWORTH INTL	BIRMINGHAM, AL
BIL	ANM	BILLINGS LOGAN INTL	BILLINGS, MT
BLI	ANM	BELLINGHAM INTL	BELLINGHAM, WA
BOI	ANM	BOISE AIR TERMINAL/GOWEN FLD	BOISE, ID
BTR	ASW	BATON ROUGE METROPOLITAN, RYAN FIELD	BATON ROUGE, LA
BTV	ANE	BURLINGTON INTL	BURLINGTON, VT
BZN	ANM	BOZEMAN YELLOWSTONE INTL	BOZEMAN, MT
CAE	ASO	COLUMBIA METROPOLITAN	COLUMBIA, SC
CAK	AGL	AKRON-CANTON RGNL	AKRON, OH
CHS	ASO	CHARLESTON AFB/INTL	CHARLESTON, SC
CID	ACE	THE EASTERN IOWA	CEDAR RAPIDS, IA
COS	ANM	CITY OF COLORADO SPRINGS MUNI	COLORADO SPRINGS, CO
DAY	AGL	JAMES M COX DAYTON INTL	DAYTON, OH
DSM	ACE	DES MOINES INTL	DES MOINES, IA
ECP	ASO	NORTHWEST FLORIDA BEACHES INTL	PANAMA CITY, FL
ELP	ASW	EL PASO INTL	EL PASO, TX
EUG	ANM	MAHLON SWEET FIELD	EUGENE, OR
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FAI	AAL	FAIRBANKS INTL	FAIRBANKS, AK
FAR	AGL	HECTOR INTL	FARGO, ND
FAT	AWP	FRESNO YOSEMITE INTL	FRESNO, CA
FNT	AGL	BISHOP INTL	FLINT, MI
FSD	AGL	JOE FOSS FIELD	SIOUX FALLS, SD
GEG	ANM	SPOKANE INTL	SPOKANE, WA
GPT	ASO	GULFPORT-BILOXI INTL	GULFPORT, MS
GRR	AGL	GERALD R. FORD INTL	GRAND RAPIDS, MI
GSN	AWP	FRANCISCO C. ADA/SAIPAN INTL	SAIPAN ISLAND, 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	BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD	LITTLE ROCK, AR
MAF	ASW	MIDLAND INTL	MIDLAND, TX

Table B-3.
List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
MDT	AEA	HARRISBURG INTL	HARRISBURG, PA
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
RNO	AWP	RENO/TAHOE INTL	RENO, NV
ROC	AEA	GREATER ROCHESTER INTL	ROCHESTER, NY
SAV	ASO	SAVANNAH/HILTON HEAD INTL	SAVANNAH, GA
SBA	AWP	SANTA BARBARA MUNI	SANTA BARBARA, CA
SDF	ASO	LOUISVILLE INTL-STANDIFORD FIELD	LOUISVILLE, KY
SFB	ASO	ORLANDO SANFORD INTL	ORLANDO, FL
SGF	ACE	SPRINGFIELD-BRANSON NATIONAL	SPRINGFIELD, MO
SRQ	ASO	SARASOTA/BRADENTON INTL	SARASOTA/BRADENTON, FL
STT	ASO	CYRIL E KING	CHARLOTTE AMALIE, VI
SYR	AEA	SYRACUSE HANCOCK INTL	SYRACUSE, NY
TUL	ASW	TULSA INTL	TULSA, OK
TUS	AWP	TUCSON INTL	TUCSON, AZ
TYS	ASO	MC GHEE TYSON	KNOXVILLE, TN
XNA	ASW	NORTHWEST ARKANSAS RGNL	FAYETTEVILLE/SPRINGDALE, AR

Listed 77 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	JOINT BASE ANDREWS	CAMP SPRINGS, MD
AEG	ASW	DOUBLE EAGLE II	ALBUQUERQUE, NM
AEX	ASW	ALEXANDRIA INTL	ALEXANDRIA, LA
AFW	ASW	FORT WORTH ALLIANCE	FORT WORTH, TX
AGC	AEA	ALLEGHENY COUNTY	PITTSBURGH, PA
AGS	ASO	AUGUSTA RGNL AT BUSH FIELD	AUGUSTA, GA
AHN	ASO	ATHENS/BEN EPPS	ATHENS, GA
AKN	AAL	KING SALMON	KING SALMON, AK
ALN	AGL	ST LOUIS RGNL	ALTON/ST LOUIS, IL
ALO	ACE	WATERLOO RGNL	WATERLOO, IA
ALW	ANM	WALLA WALLA RGNL	WALLA WALLA, WA
ANE	AGL	ANOKA COUNTY-BLAINE ARPT(JANES FIELD)	MINNEAPOLIS, MN
APA	ANM	CENTENNIAL	DENVER, CO
APC	AWP	NAPA COUNTY	NAPA, CA
APF	ASO	NAPLES MUNI	NAPLES, FL
ARA	ASW	ACADIANA RGNL	NEW IBERIA, LA
ARB	AGL	ANN ARBOR MUNI	ANN ARBOR, MI
ARR	AGL	AURORA MUNI	CHICAGO/AURORA, IL
ASE	ANM	ASPEN-PITKIN CO/SARDY FIELD	ASPEN, CO
ASG	ASW	SPRINGDALE MUNI	SPRINGDALE, AR
ASH	ANE	BOIRE FIELD	NASHUA, NH
ATW	AGL	OUTAGAMIE COUNTY RGNL	APPLETON, WI
AVL	ASO	ASHEVILLE RGNL	ASHEVILLE, NC
AVP	AEA	WILKES-BARRE/SCRANTON INTL	WILKES-BARRE/SCRANTON, PA
AZO	AGL	KALAMAZOO/BATTLE CREEK INTL	KALAMAZOO, MI
BAF	ANE	BARNES MUNI	WESTFIELD/SPRINGFIELD, MA
BAK	AGL	COLUMBUS MUNI	COLUMBUS, IN
BAZ	ASW	NEW BRAUNFELS RGNL	NEW BRAUNFELS, TX
BBG	ACE	BRANSON	BRANSON, MO
BCT	ASO	BOCA RATON	BOCA RATON, FL
BDR	ANE	IGOR I SIKORSKY MEMORIAL	BRIDGEPORT, CT
BED	ANE	LAURENCE G HANSCOM FLD	BEDFORD, MA
BET	AAL	BETHEL	BETHEL, AK
BFI	ANM	BOEING FIELD/KING COUNTY INTL	SEATTLE, WA
BFL	AWP	MEADOWS FIELD	BAKERSFIELD, CA
BFM	ASO	MOBILE DOWNTOWN	MOBILE, AL
BGM	AEA	GREATER BINGHAMTON/EDWIN A LINK FIELD	BINGHAMTON, NY
BGR	ANE	BANGOR INTL	BANGOR, ME
BIS	AGL	BISMARCK MUNI	BISMARCK, ND
BJC	ANM	ROCKY MOUNTAIN METROPOLITAN	DENVER, CO
BKL	AGL	BURKE LAKEFRONT	CLEVELAND, OH
BKV	ASO	HERNANDO COUNTY	BROOKSVILLE, FL
BMG	AGL	MONROE COUNTY	BLOOMINGTON, IN
BMI	AGL	CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL	BLOOMINGTON/NORMAL, IL
BPT	ASW	JACK BROOKS RGNL	BEAUMONT/PORT ARTHUR, TX
BQN	ASO	RAFAEL HERNANDEZ	AGUADILLA, PR
BRO	ASW	BROWNSVILLE/SOUTH PADRE ISLAND INTL	BROWNSVILLE, TX
BTL	AGL	W K KELLOGG	BATTLE CREEK, MI

Table B-4.
List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
BVY	ANE	BEVERLY MUNI	BEVERLY, MA
CCR	AWP	BUCHANAN FIELD	CONCORD, CA
CDW	AEA	ESSEX COUNTY	CALDWELL, NJ
CGF	AGL	CUYAHOGA COUNTY	CLEVELAND, OH
CHA	ASO	LOVELL FIELD	CHATTANOOGA, TN
CHD	AWP	CHANDLER MUNI	CHANDLER, AZ
CHO	AEA	CHARLOTTESVILLE-ALBEMARLE	CHARLOTTESVILLE, VA
CIC	AWP	CHICO MUNI	CHICO, CA
CKB	AEA	NORTH CENTRAL WEST VIRGINIA	CLARKSBURG, WV
CLL	ASW	EASTERWOOD FIELD	COLLEGE STATION, TX
CMA	AWP	CAMARILLO	CAMARILLO, CA
CMI	AGL	UNIVERSITY OF ILLINOIS-WILLARD	CHAMPAIGN/URBANA , IL
CNO	AWP	CHINO	CHINO, CA
CNW	ASW	TSTC WACO	WACO, TX
COU	ACE	COLUMBIA RGNL	COLUMBIA, MO
CPR	ANM	CASPER/NATRONA COUNTY INTL	CASPER, WY
CPS	AGL	ST LOUIS DOWNTOWN	CAHOKIA/ST LOUIS, IL
CRE	ASO	GRAND STRAND	NORTH MYRTLE BEACH, SC
CRG	ASO	JACKSONVILLE EXECUTIVE AT CRAIG	JACKSONVILLE, FL
CRP	ASW	CORPUS CHRISTI INTL	CORPUS CHRISTI, TX
CRQ	AWP	MC CLELLAN-PALOMAR	CARLSBAD, CA
CRW	AEA	YEAGER	CHARLESTON, WV
CSG	ASO	COLUMBUS 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/NEWMAM FIELD	EASTON, MD
EVB	ASO	NEW SMYRNA BEACH MUNI	NEW SMYRNA BEACH, FL
EVV	AGL	EVANSVILLE RGNL	EVANSVILLE, IN
EWB	ANE	NEW BEDFORD RGNL	NEW BEDFORD, MA
EWN	ASO	COASTAL CAROLINA REGIONAL	NEW BERN, NC
FAY	ASO	FAYETTEVILLE RGNL/GRANNIS FIELD	FAYETTEVILLE, NC
FCM	AGL	FLYING CLOUD	MINNEAPOLIS, MN
FDK	AEA	FREDERICK MUNI	FREDERICK, MD

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
GYV	AGL	GARY/CHICAGO INTL	GARY, IN
HEF	AEA	MANASSAS RGNL/HARRY P. DAVIS FIELD	WASHINGTON, DC
HFD	ANE	HARTFORD-BRAINARD	HARTFORD, CT
HGR	AEA	HAGERSTOWN RGNL-RICHARD A HENSON FLD	HAGERSTOWN, MD
HHR	AWP	JACK NORTHROP FIELD/HAWTHORNE MUNI	HAWTHORNE, CA
HIO	ANM	PORTLAND-HILLSBORO	PORTLAND, OR
HKS	ASO	HAWKINS FIELD	JACKSON, MS
HKY	ASO	HICKORY RGNL	HICKORY, NC
HLG	AEA	WHEELING OHIO CO	WHEELING, WV
HLN	ANM	HELENA RGNL	HELENA, MT
HND	AWP	HENDERSON EXECUTIVE	LAS VEGAS, NV
HOB	ASW	LEA COUNTY RGNL	HOBBS, NM
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 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	SOUTH BEND, IN
SBP	AWP	SAN LUIS COUNTY RGNL	SAN LUIS OBISPO, CA
SBY	AEA	SALISBURY-OCEAN CITY WICOMICO RGNL	SALISBURY, MD
SCK	AWP	STOCKTON METROPOLITAN	STOCKTON, CA
SDL	AWP	SCOTTSDALE	SCOTTSDALE, AZ
SDM	AWP	BROWN FIELD MUNI	SAN DIEGO, CA
SEE	AWP	GILLESPIE FIELD	SAN DIEGO/EL CAJON , CA
SFF	ANM	FELTS FIELD	SPOKANE, WA
SGJ	ASO	NORTHEAST FLORIDA RGNL	ST AUGUSTINE, FL
SGR	ASW	SUGAR LAND RGNL	HOUSTON, TX
SHV	ASW	SHREVEPORT RGNL	SHREVEPORT, LA
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SJT	ASW	SAN ANGELO RGNL/MATHIS FIELD	SAN ANGELO, TX
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA RGNL	SALINA, KS
SMO	AWP	SANTA MONICA MUNI	SANTA MONICA, CA
SMX	AWP	SANTA MARIA PUB/CAPT G ALLAN HANCOCK FLD	SANTA MARIA, CA
SNS	AWP	SALINAS MUNI	SALINAS, CA
SPG	ASO	ALBERT WHITTED	ST PETERSBURG, FL
SPI	AGL	ABRAHAM LINCOLN CAPITAL	SPRINGFIELD, IL
SQL	AWP	SAN CARLOS	SAN CARLOS, CA
SSF	ASW	STINSON MUNI	SAN ANTONIO, TX
STC	AGL	ST CLOUD RGNL	ST CLOUD, MN

**Table B-4.
List of Non-Hub Towers**

Location Identifier	Region	Airport Name	City, State
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 375 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 RGNL	NEW BRAUNFELS, TX
BBG	ACE	BRANSON	BRANSON, MO
BCT	ASO	BOCA RATON	BOCA RATON, FL
BDR	ANE	IGOR I SIKORSKY MEMORIAL	BRIDGEPORT, CT
BET	AAL	BETHEL	BETHEL, AK
BFM	ASO	MOBILE DOWNTOWN	MOBILE, AL
BKL	AGL	BURKE LAKEFRONT	CLEVELAND, OH
BKV	ASO	HERNANDO COUNTY	BROOKSVILLE, FL
BLI	ANM	BELLINGHAM INTL	BELLINGHAM, WA
BMG	AGL	MONROE COUNTY	BLOOMINGTON, IN
BMI	AGL	CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL	BLOOMINGTON/NORMAL, IL
BQN	ASO	RAFAEL HERNANDEZ	AGUADILLA, PR
BRO	ASW	BROWNSVILLE/SOUTH PADRE ISLAND INTL	BROWNSVILLE, TX
BTL	AGL	W K KELLOGG	BATTLE CREEK, MI
BVY	ANE	BEVERLY MUNI	BEVERLY, MA
BZN	ANM	BOZEMAN YELLOWSTONE INTL	BOZEMAN, MT
CGF	AGL	CUYAHOGA COUNTY	CLEVELAND, OH
CHD	AWP	CHANDLER MUNI	CHANDLER, AZ
CHO	AEA	CHARLOTTESVILLE-ALBEMARLE	CHARLOTTESVILLE, VA
CIC	AWP	CHICO MUNI	CHICO, CA
CLL	ASW	EASTERWOOD FIELD	COLLEGE STATION, TX
CNW	ASW	TSTC WACO	WACO, TX
COU	ACE	COLUMBIA RGNL	COLUMBIA, MO
CRE	ASO	GRAND STRAND	NORTH MYRTLE BEACH, SC
CRG	ASO	JACKSONVILLE EXECUTIVE AT CRAIG	JACKSONVILLE, FL
CWA	AGL	CENTRAL WISCONSIN	MOSINEE, WI
CWF	ASW	CHENNAULT INTL	LAKE CHARLES, LA
CXO	ASW	LONE STAR EXECUTIVE	HOUSTON , TX
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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
DHN	ASO	DOTHAN RGNL	DOTHAN, AL
DTN	ASW	SHREVEPORT DOWNTOWN	SHREVEPORT, LA
DTO	ASW	DENTON MUNI	DENTON, TX
DXR	ANE	DANBURY MUNI	DANBURY, CT
EAU	AGL	CHIPPEWA VALLEY RGNL	EAU CLAIRE, WI
ECP	ASO	NORTHWEST FLORIDA BEACHES INTL	PANAMA CITY, FL
EGE	ANM	EAGLE COUNTY RGNL	EAGLE, CO
ENA	AAL	KENAI MUNI	KENAI, AK
ENW	AGL	KENOSHA RGNL	KENOSHA, WI
ESN	AEA	EASTON/NEWNAM FIELD	EASTON, MD
EVb	ASO	NEW SMYRNA BEACH MUNI	NEW SMYRNA BEACH, FL
EWB	ANE	NEW BEDFORD RGNL	NEW BEDFORD, MA
EWN	ASO	COASTAL CAROLINA REGIONAL	NEW BERN, NC
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FDK	AEA	FREDERICK MUNI	FREDERICK, MD
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FMN	ASW	FOUR CORNERS RGNL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FOE	ACE	FORBES FIELD	TOPEKA, KS
FOK	AEA	FRANCIS S GABRESKI	WESTHAMPTON BEACH, NY
FTG	ANM	FRONT RANGE	DENVER, CO
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FWS	ASW	FORT WORTH SPINKS	FORT WORTH, TX
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GCK	ACE	GARDEN CITY RGNL	GARDEN CITY, KS
GEU	AWP	GLENDALE MUNI	GLENDALE, AZ
GJT	ANM	GRAND JUNCTION REGIONAL	GRAND JUNCTION, CO
GKY	ASW	ARLINGTON MUNI	ARLINGTON, TX
GLH	ASO	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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
HND	AWP	HENDERSON EXECUTIVE	LAS VEGAS, NV
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	KISSIMEE 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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
MFR	ANM	ROGUE VALLEY INTL - MEDFORD	MEDFORD, OR
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MHK	ACE	MANHATTAN RGNL	MANHATTAN, KS
MHR	AWP	SACRAMENTO MATHER	SACRAMENTO, CA
MIE	AGL	DELAWARE COUNTY RGNL	MUNCIE, IN
MKK	AWP	MOLOKAI	KAUNAKAKAI, HI
MKL	ASO	MC KELLAR-SIPES RGNL	JACKSON, TN
MLB	ASO	MELBOURNE INTL	MELBOURNE, FL
MOD	AWP	MODESTO CITY-CO-HARRY SHAM FLD	MODESTO, CA
MOT	AGL	MINOT INTL	MINOT, ND
MQY	ASO	SMYRNA	SMYRNA, TN
MSO	ANM	MISSOULA INTL	MISSOULA, MT
MTN	AEA	MARTIN STATE	BALTIMORE, MD
MVY	ANE	MARTHAS VINEYARD	VINEYARD HAVEN, MA
MWA	AGL	WILLIAMSON COUNTY RGNL	MARION, IL
MWC	AGL	LAWRENCE J TIMMERMAN	MILWAUKEE, WI
NQA	ASO	MILLINGTON RGNL JETPORT	MILLINGTON, TN
OCF	ASO	OCALA INTL-JIM TAYLOR FIELD	OCALA, FL
OGD	ANM	OGDEN-HINCKLEY	OGDEN, UT
OJC	ACE	JOHNSON COUNTY EXECUTIVE	OLATHE, KS
OLM	ANM	OLYMPIA RGNL	OLYMPIA, WA
OLV	ASO	OLIVE BRANCH	OLIVE BRANCH, MS
OMN	ASO	ORMOND BEACH MUNI	ORMOND BEACH, FL
OPF	ASO	OPA-LOCKA EXECUTIVE	MIAMI, FL
ORH	ANE	WORCESTER RGNL	WORCESTER, MA
OSH	AGL	WITTMAN RGNL	OSHKOSH, WI
OSU	AGL	OHIO STATE UNIVERSITY	COLUMBUS, OH
OTH	ANM	SOUTHWEST OREGON RGNL	NORTH BEND, OR
OUN	ASW	UNIVERSITY OF OKLAHOMA WESTHEIMER	NORMAN, OK
OWB	ASO	OWENSBORO-DAVIESS COUNTY	OWENSBORO, KY
OWD	ANE	NORWOOD MEMORIAL	NORWOOD, MA
OXC	ANE	WATERBURY-OXFORD	OXFORD, CT
OXR	AWP	OXNARD	OXNARD, CA
PAH	ASO	BARKLEY RGNL	PADUCAH, KY
PDT	ANM	EASTERN OREGON RGNL AT PENDLETON	PENDLETON, OR
PGD	ASO	PUNTA GORDA	PUNTA GORDA, FL
PIH	ANM	POCATELLO RGNL	POCATELLO, ID
PKB	AEA	MID-OHIO VALLEY RGNL	PARKERSBURG, WV
PMD	AWP	PALMDALE USAF PLANT 42	PALMDALE, CA
PMP	ASO	POMPANO BEACH AIRPARK	POMPANO BEACH, FL
PVU	ANM	PROVO MUNI	PROVO, UT
PWA	ASW	WILEY POST	OKLAHOMA CITY, OK
RAL	AWP	RIVERSIDE MUNI	RIVERSIDE, CA
RAP	AGL	RAPID CITY RGNL	RAPID CITY, SD
RBD	ASW	DALLAS EXECUTIVE	DALLAS, TX
RDD	AWP	REDDING MUNI	REDDING, CA
RDM	ANM	ROBERTS FIELD	REDMOND, OR
RME	AEA	GRIFFISS INTL	ROME, NY
RNM	AWP	RAMONA	RAMONA, CA
RNT	ANM	RENTON MUNI	RENTON, WA

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Location Identifier	Region	Airport Name	City, State
ROG	ASW	ROGERS MUNI-CARTER FIELD	ROGERS, AR
RYN	AWP	RYAN FIELD	TUCSON, AZ
RYY	ASO	COBB COUNTY-MC COLLUM FIELD	ATLANTA, GA
SAC	AWP	SACRAMENTO EXECUTIVE	SACRAMENTO, CA
SAF	ASW	SANTA FE MUNI	SANTA FE, NM
SAW	AGL	SAWYER INTL	MARQUETTE, MI
SBP	AWP	SAN LUIS COUNTY RGNL	SAN LUIS OBISPO, CA
SBY	AEA	SALISBURY-OCEAN CITY WICOMICO RGNL	SALISBURY, MD
SDM	AWP	BROWN FIELD MUNI	SAN DIEGO, CA
SFF	ANM	FELTS FIELD	SPOKANE, WA
SGJ	ASO	NORTHEAST FLORIDA RGNL	ST AUGUSTINE, FL
SGR	ASW	SUGAR LAND RGNL	HOUSTON, TX
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SJT	ASW	SAN ANGELO RGNL/MATHIS FIELD	SAN ANGELO, TX
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA RGNL	SALINA, KS
SMX	AWP	SANTA MARIA PUB/CAPT G ALLAN HANCOCK FLD	SANTA MARIA, CA
SNS	AWP	SALINAS MUNI	SALINAS, CA
SPG	ASO	ALBERT WHITTED	ST PETERSBURG, FL
SQL	AWP	SAN CARLOS	SAN CARLOS, CA
SSF	ASW	STINSON MUNI	SAN ANTONIO, TX
STC	AGL	ST CLOUD RGNL	ST CLOUD, MN
STJ	ACE	ROSECRANS MEMORIAL	ST JOSEPH, MO
STX	ASO	HENRY E ROHLSEN	CHRISTIANSTED, VI
SUA	ASO	WITHAM FIELD	STUART, FL
SUN	ANM	FRIEDMAN MEMORIAL	HAILEY, ID
SWF	AEA	STEWART INTL	NEWBURGH, NY
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

Table B-5.
List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
YKM	ANM	YAKIMA AIR TERMINAL/MCALLISTER FIELD	YAKIMA, WA

Listed 251 Airports.