

HOW WILL FUTURE DEMAND BE ACCOMODATED?

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Presented to:

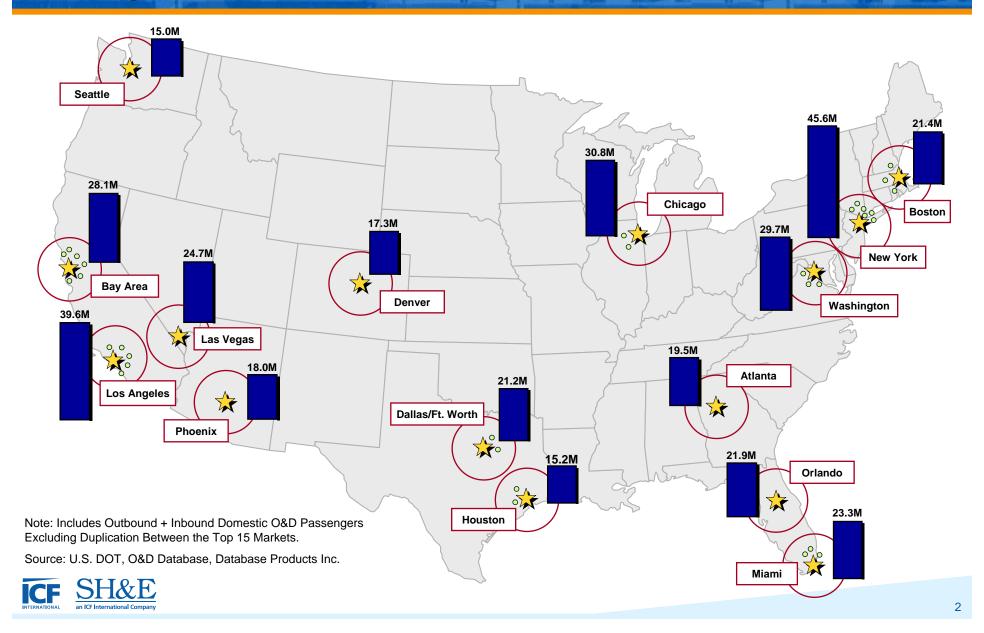
33rd Annual FAA Aviation Forecast Conference

Effectively Accommodating Future Air Travel Demand Will Require a Multi-Faceted Approach

- New Runways Where Feasible
- Incremental Increases in Capacity Through Next Generation ATC Technologies
- Demand Management
- Upgauging of Aircraft Size
- Increased Utilization of Regional Airports



Nearly 80% of Domestic Air Trips Are Taken To or From the 15 Largest U.S. Metro Markets



Airports in These Top Markets Account for 84% of Total U.S. Delays

Airports Accounting for At Least One Percent of Total U.S. Delayed Operations CY 2006

Rank	Airport	CY 2006 Airport Delays	Delayed Ops as a % of U.S. Total
4	Chicago Olllero	CE CE7	40.00/
1	Chicago O'Hare	65,657	18.0%
2	New York Newark	53,619	14.0%
3	Atlanta	50,088	14.0%
4	New York La Guardia	37,048	10.0%
5	Philadelphia	28,641	8.0%
6	New York J F Kennedy	23,952	6.0%
7	Houston Intercontinental	14,889	4.0%
8	Las Vegas	14,805	4.0%
9	Boston	11,983	3.0%
10	San Francisco	10,279	3.0%
11	Charlotte	6,810	2.0%
12	Dallas/Fort Worth	6,211	2.0%
13	Phoenix	6,051	2.0%
14	Teterboro	5,443	1.0%
15	Detroit	4,124	1.0%
16	Los Angeles	2,797	1.0%
17	Chicago Midway	2,534	1.0%
18	Washington Dulles	2,386	1.0%
19	Fort Lauderdale/Hollywood	2,066	1.0%

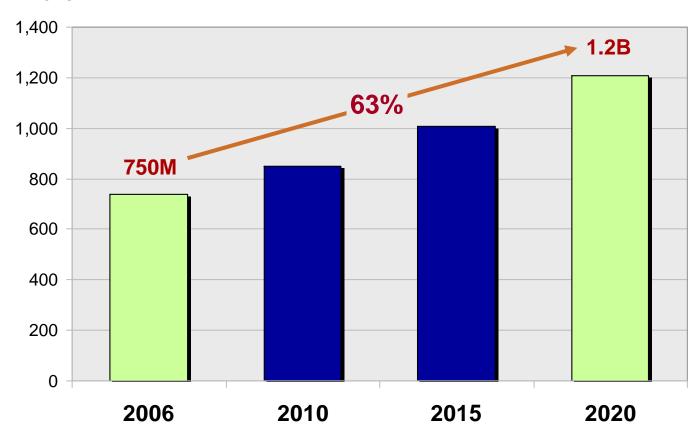


The FAA Has Forecast U.S. Enplanements to Increase by Nearly 65% Through 2020

Enplanements at U.S. Airports

2006-2025

Millions





Note: Includes Scheduled Domestic and International Passengers for US Commercial Air Carriers

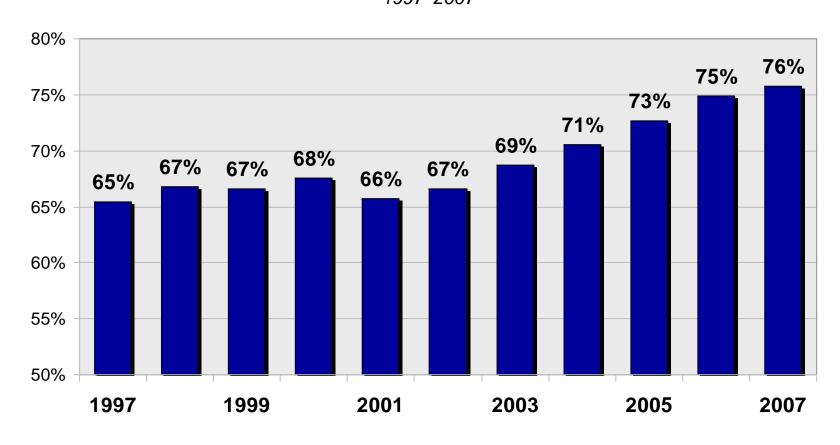
Source: FAA, Aerospace Forecast, FY 2007-2020

New Runway Capacity is an Ideal Solution, but Opportunities Are Limited



Increased Load Factors Have Produced a Significant Gain in Operational Efficiency

Average Domestic Load Factors at U.S. Airports
1997–2007



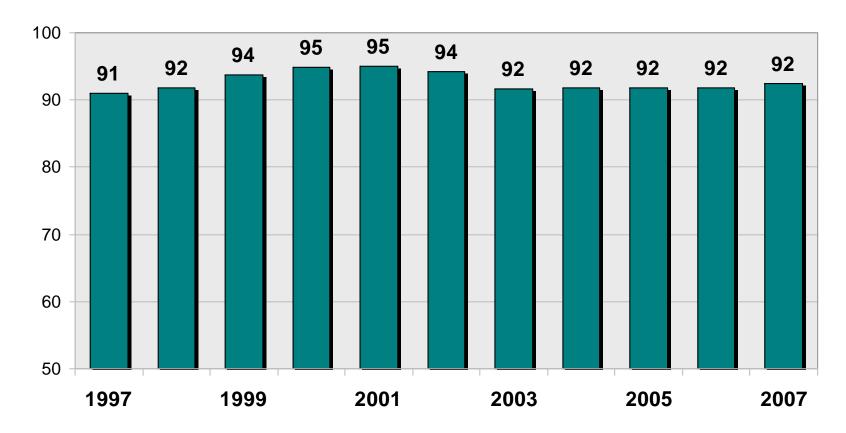


Notes: 2007 load factors for domestic markets are YE November 2007. Load factors not weighted by stage length Source: US DOT, T100 Database, Database Products Inc.

But, Increases in Average Aircraft Size Have Not Materialized

Average Seats Per Domestic Departure at U.S. Airports

1997-2007

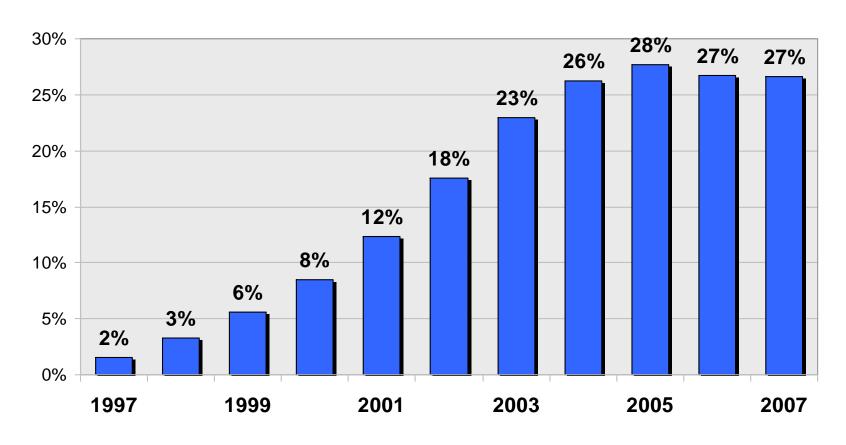




The Dramatic Growth in Small Regional Jets Has Put Downward Pressure on Aircraft Size

Small Regional Jets As a Percent of Total Domestic Departures

Month of August, 1997–2007





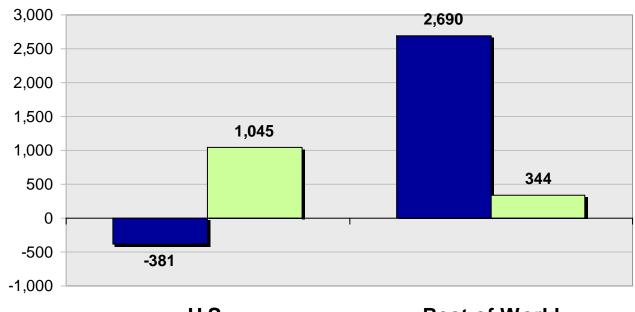
Note: Includes RJ's with 30-50 Seats

Changes in the U.S. Fleet Contrast Sharply with Worldwide Trends

Change in Jet Airplane Inventories

CY 2000 vs. CY 2006

■ Mainline Jets □ Regional Jets

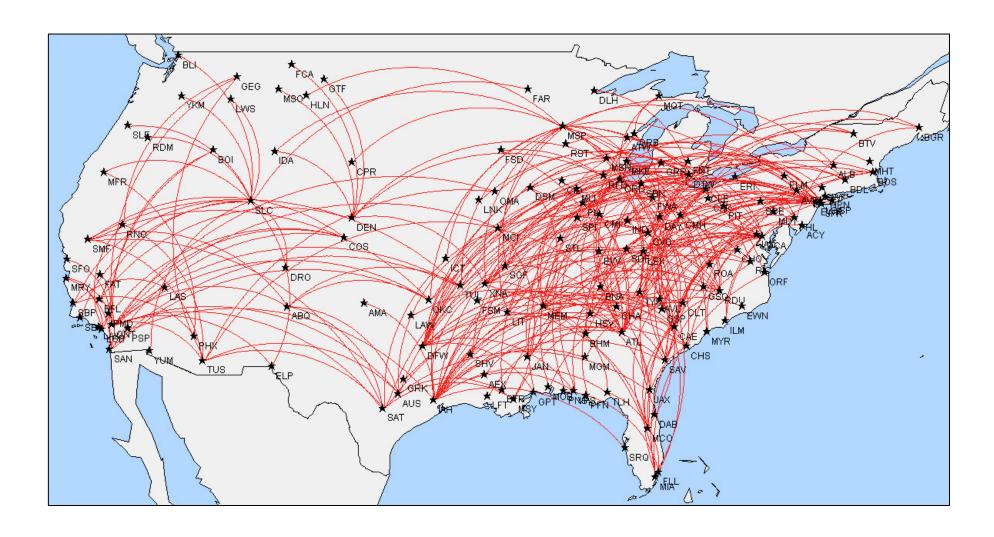




Rest of World



The Small RJs Have Produced Real Benefits - Over 320 New Nonstop Markets



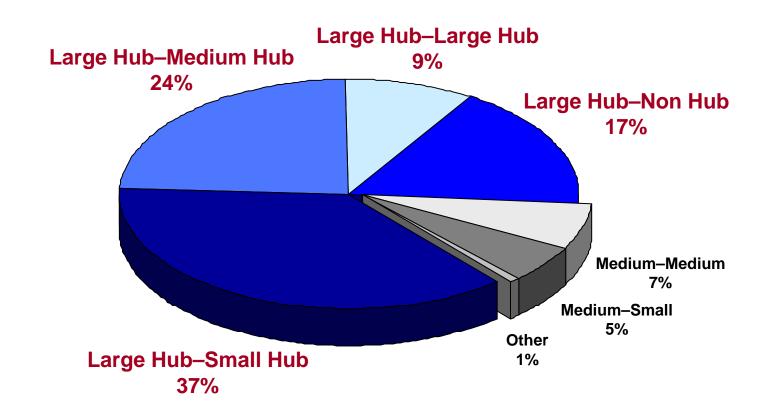


Note: Includes RJ's with 30-50 Seats

But 87% of Regional Jet Flights Serve Large Hub Airports

Distribution of Small Regional Jet Departures by Hub Type

March 2008



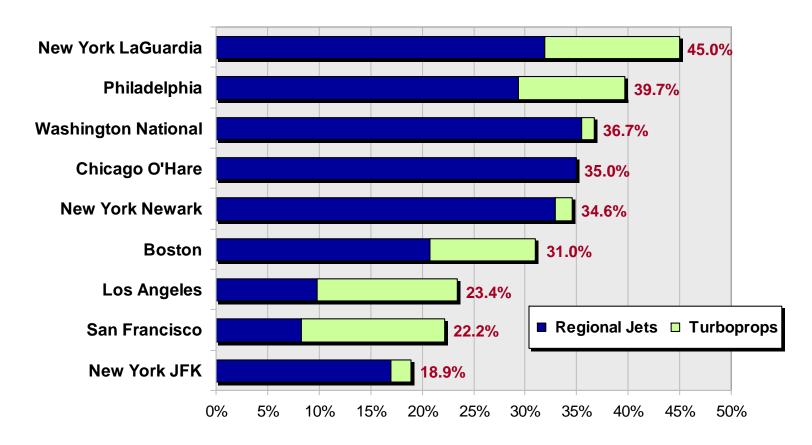


Note: Includes RJ's with 30-50 Seats

Small Aircraft Account for a High Proportion of Flights at the Nation's Most Congested Airports

Share of Weekly Departures Using Small RJ or T/P Aircraft

March 2008





Note: Includes RJ's with 30-50 Seats and Turboprops Less Than 40 Seats

Demand Management Programs Can Reduce Congestion by Creating Financial Incentives to Upgauge Aircraft Size

Proposed Amendment to
DOT Airport Rates and
Charges Policy Would
Allow Congested Airports
to Implement Demand
Management Programs

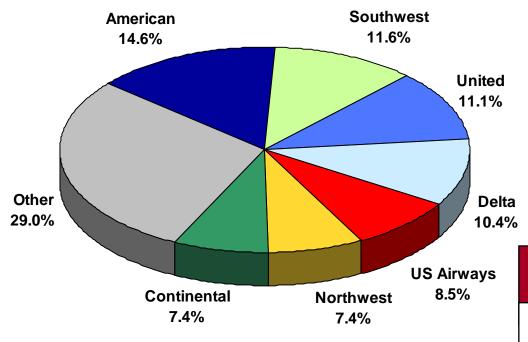




The High Degree of Competition in the U.S. Airline Industry Discourages Aircraft Upgauging

Share of Domestic Revenue by Airline

YE 3Q 2007

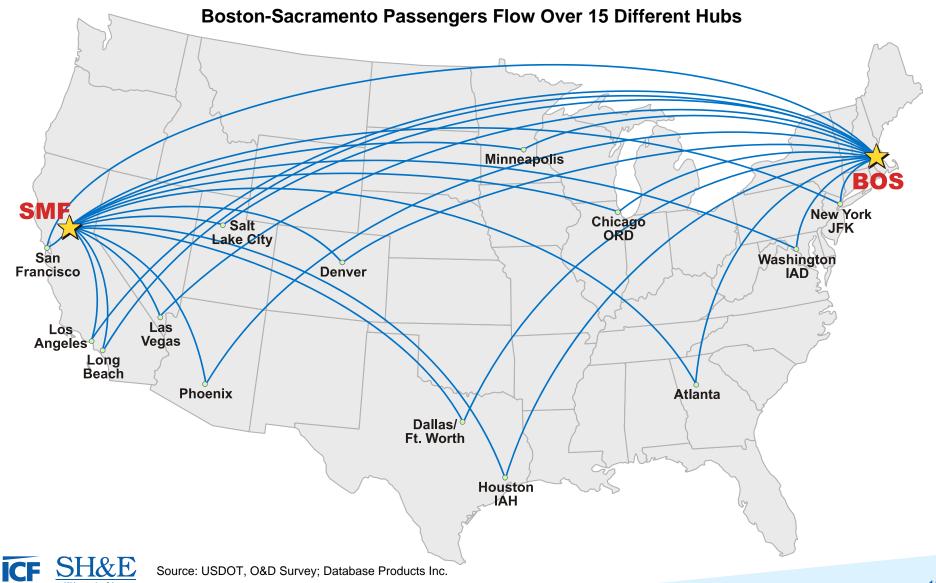


Cumulative Revenue
Share of Top 3 Providers

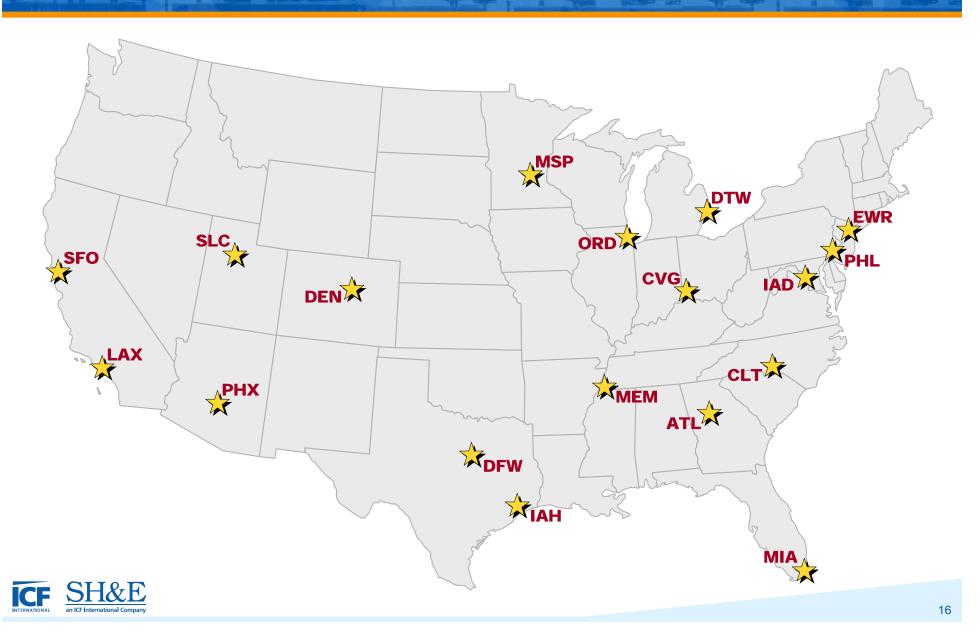
Airlines	37%
Rental Cars	80%
CRS Systems	95%



The Large Number of Network Carriers Has Created Redundancy in the Hub System

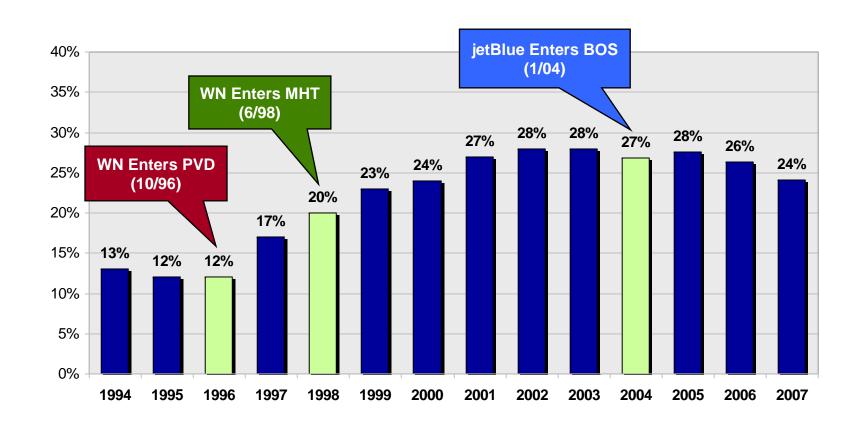


Industry Consolidation Could Reduce Hub Duplication and Allow for Increased Aircraft Size



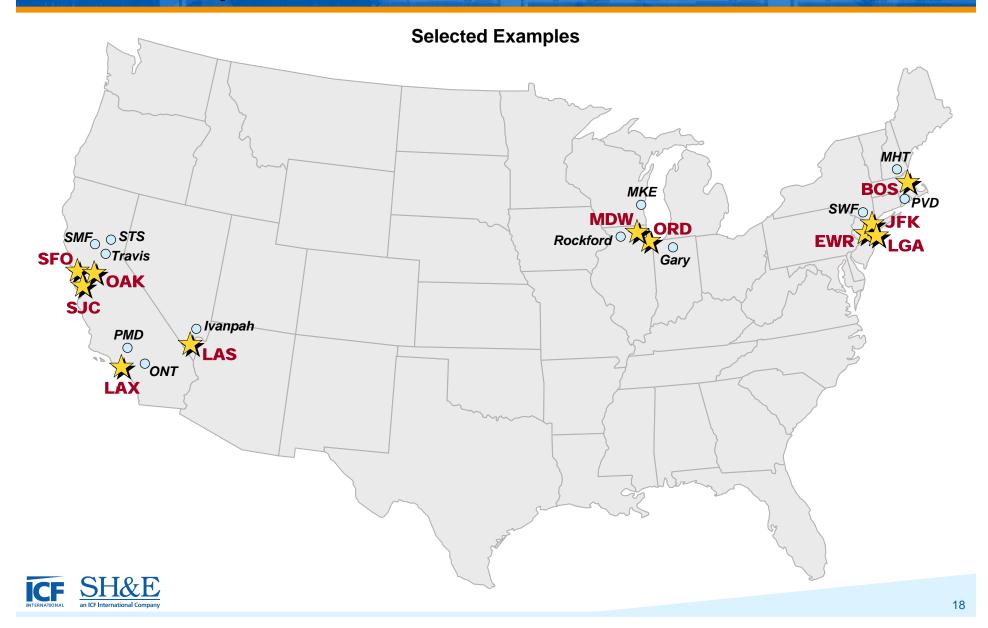
The Development of the Regional Airports Surrounding Boston Produced a Significant Re-Distribution of Passenger Traffic

Share of Passengers in the Boston Region Using Providence and Manchester CY 1994–CY 2007





Other U.S. Regions Can Benefit from Increased Utilization of Alternate Airports



Even Areas with Multiple Airports May Face Considerable Physical or Political Constraints



The New ExpressJet Service at LA/Ontario Provides Passengers with an Alternative to LAX





Accommodating Future Aviation Demand Will Require Action on Multiple Fronts

- Air Travel Demand Will Continue to Grow
- New Runways and Improved ATC Technology Will Provide Some Relief
- Load Factors Cannot Increase Much Further
- Demand Management, Effective Use of Regional Airports and Aircraft Upgauging Offer Real Potential to Improve System Performance
- However, Strong Local and National Initiatives Will Be Required to Achieve These Improvements





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