

The US Airline Industry & Herbert Stein's Law

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HERBERT STEIN'S LAW

If something
cannot go on forever,
it will stop

Herbert Stein (1916-1999) was chairman of the Council of Economic Advisers under Presidents Nixon and Ford

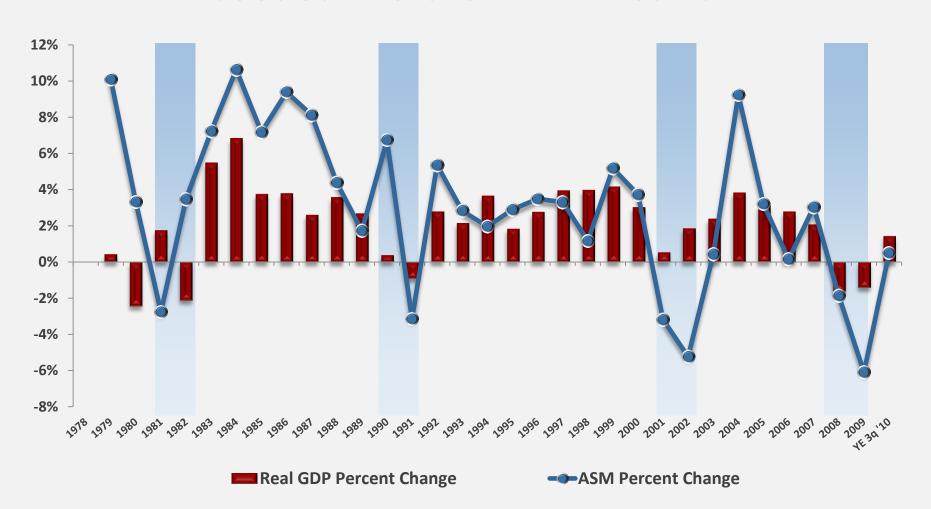
US Airline Industry: The Last Three Decades

- Barriers to entry for new and existing carriers were removed
 - If one had a dollar, an airplane and a certificate: an airline was born
 - Entry and growth of Low Cost Carriers a major driver of change
- Barriers to exit for inefficient carriers were erected
 - Bankruptcy, government, labor as an internal source of capital
 - Inefficient providers remained in the market
- Finally in the 2000's, cost reductions and efficiency improvements that were expected during the previous two decades began to happen
- A market share mentality created an industry grew too big to be sustainable
- The market share mentality giving way to a profit mentality?



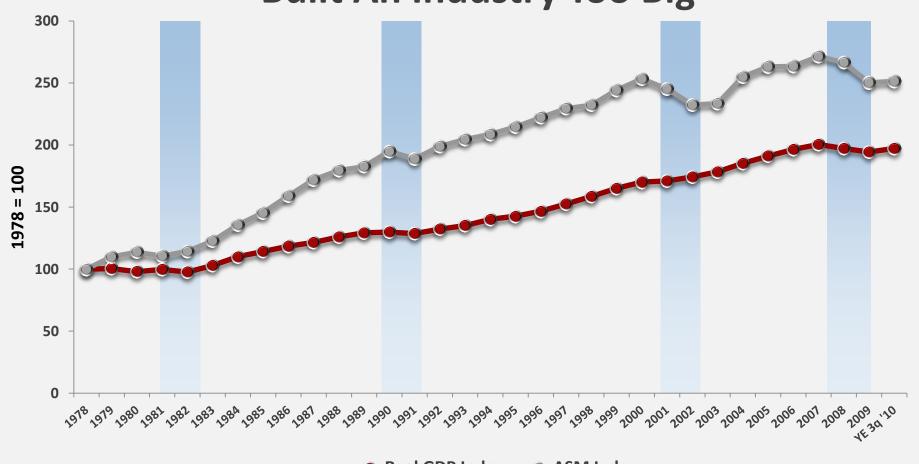


With Rare Exception, Capacity Growth Exceeded the Growth in Real GDP

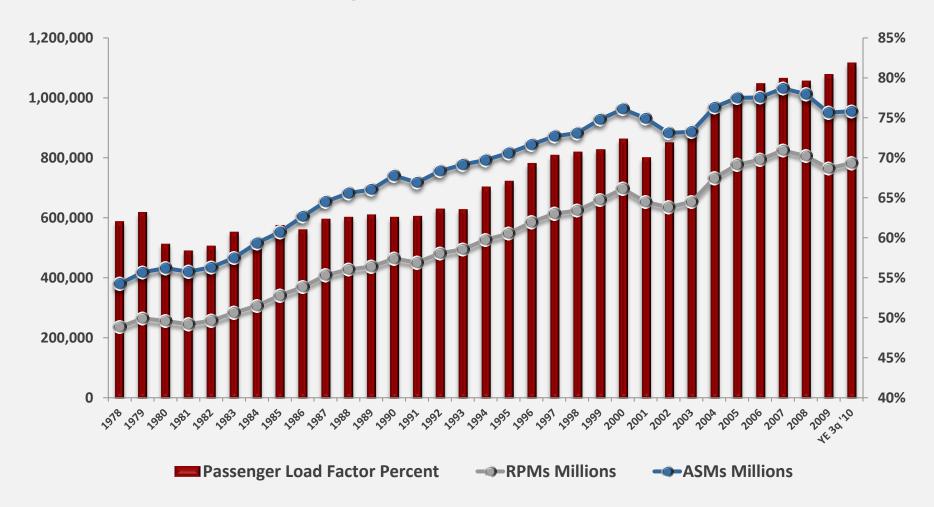




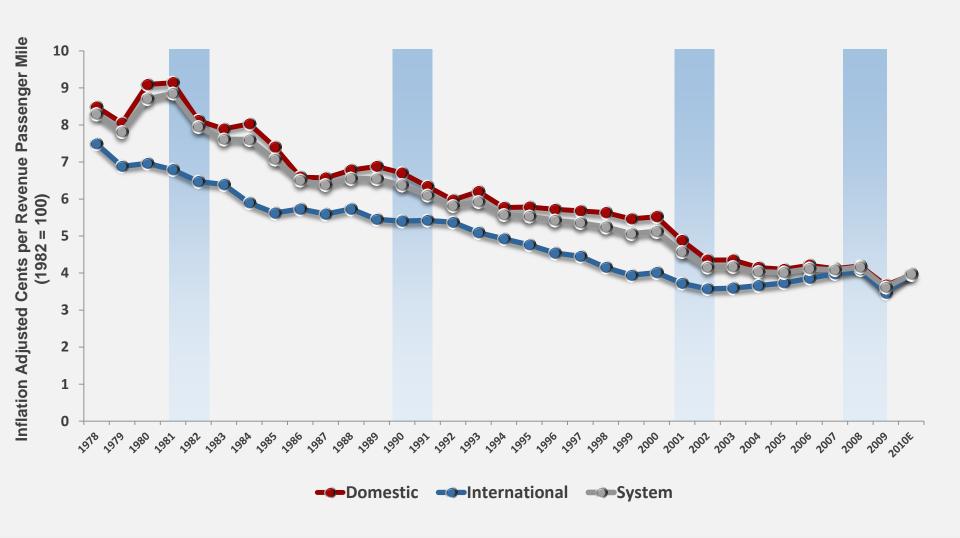
The Market Share Mantra Built An Industry Too Big



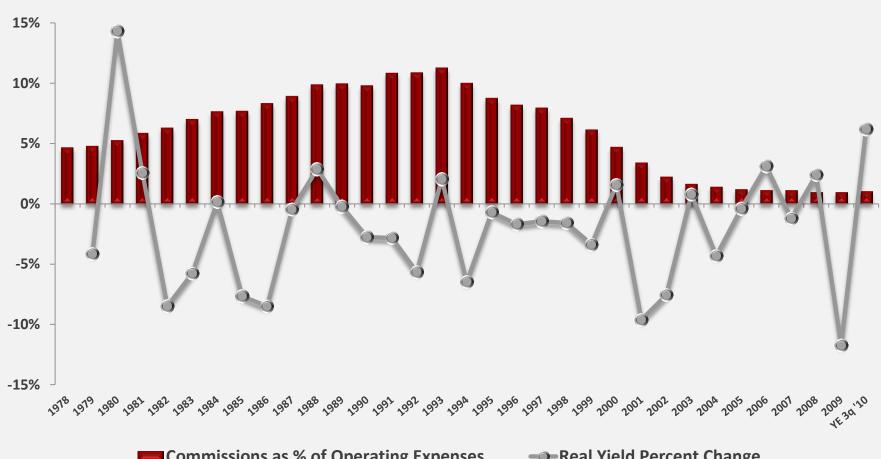
Filling Airplanes Not A Problem As Evidenced by the Growth in Load Factors



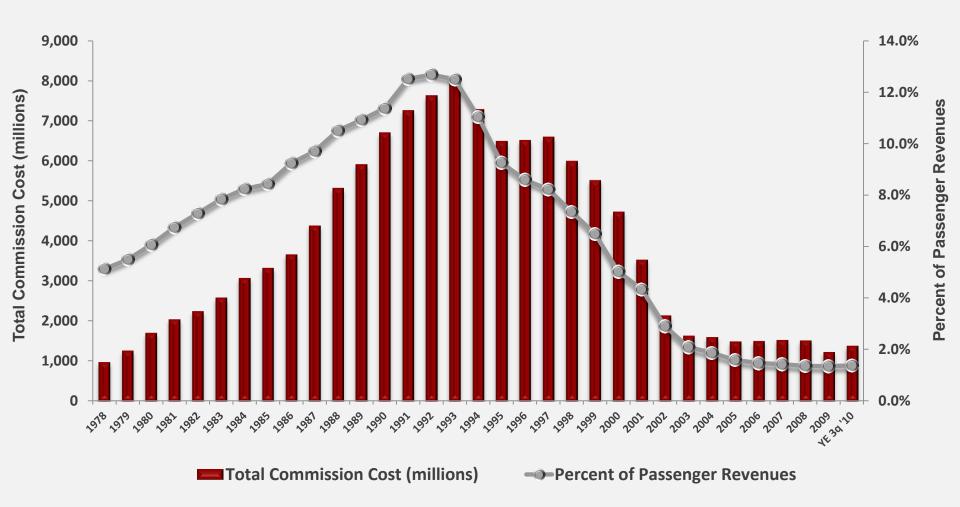
Enabled by Decreasing Real Fares



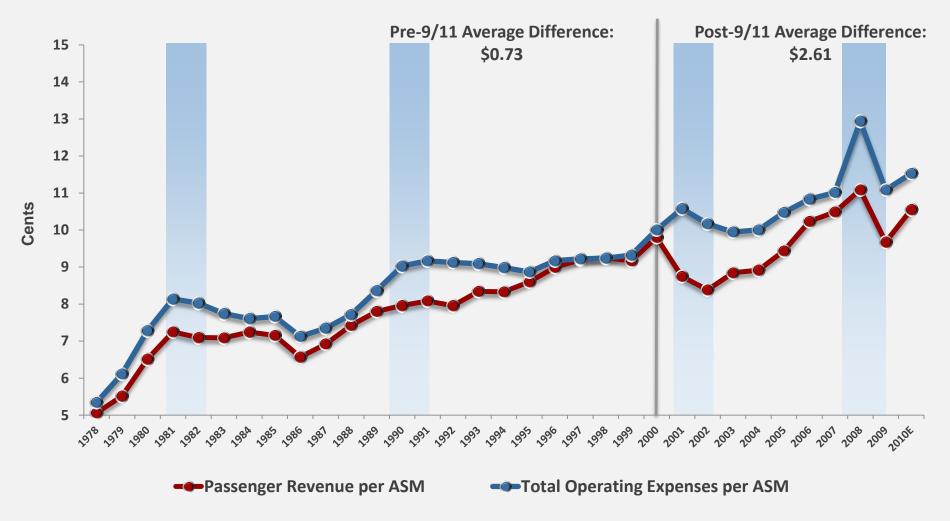
As Real Fares Declined, The Industry Was Paying the Middleman More



A Classic Example of "Competing Away" the Efficiencies Got Rid of the Middleman, Gave \$6B in Savings to the Consumer

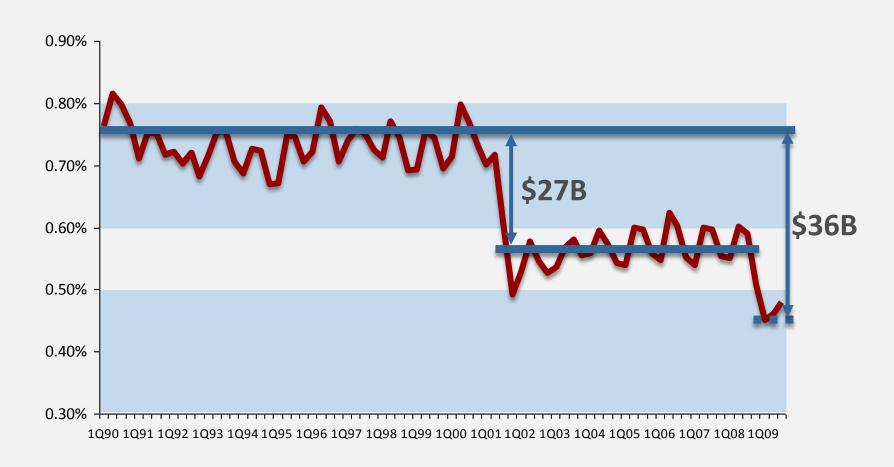


Unit Revenues Began to Drop Dramatically During the Second Half of 2000

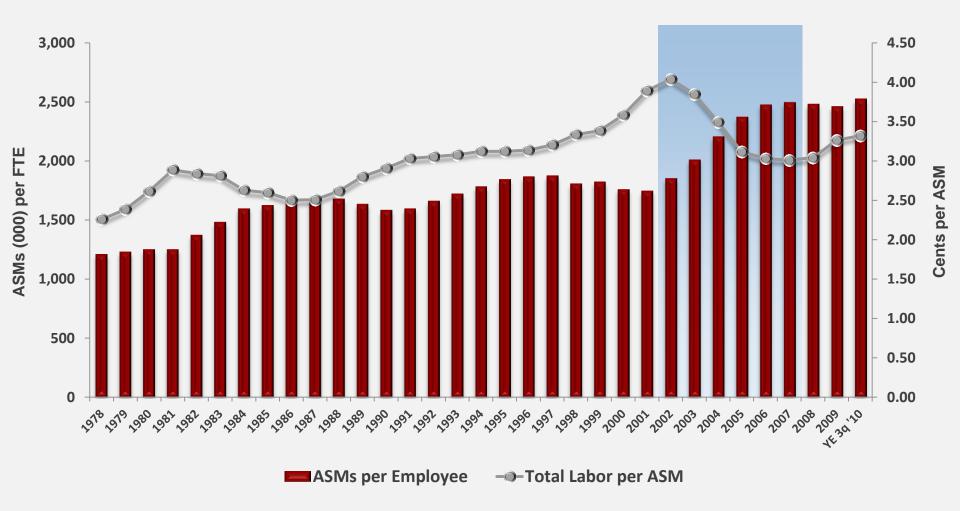




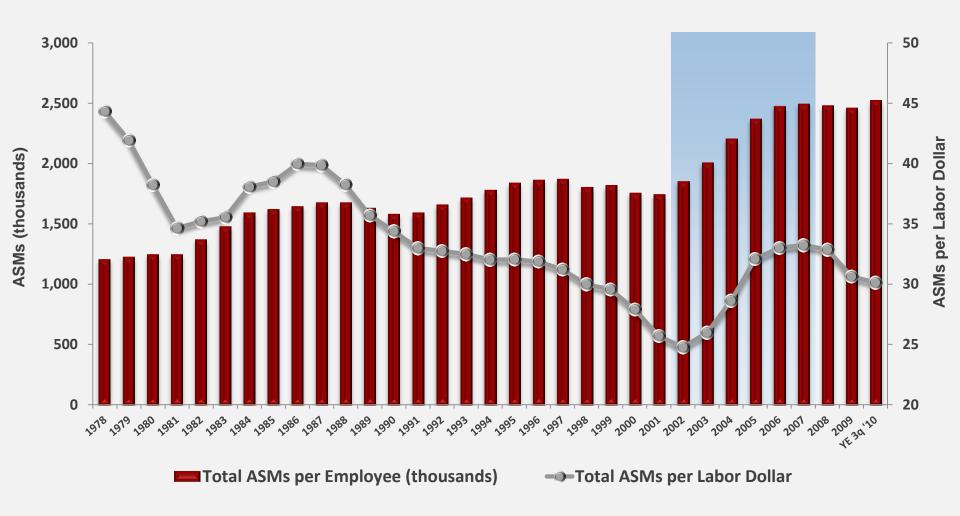
The Relationship of Revenue to GDP As It Turns Out, That Change Was Structural



Through 2000, Unit Labor Costs on the Rise As Productivity Remained Relatively Unchanged

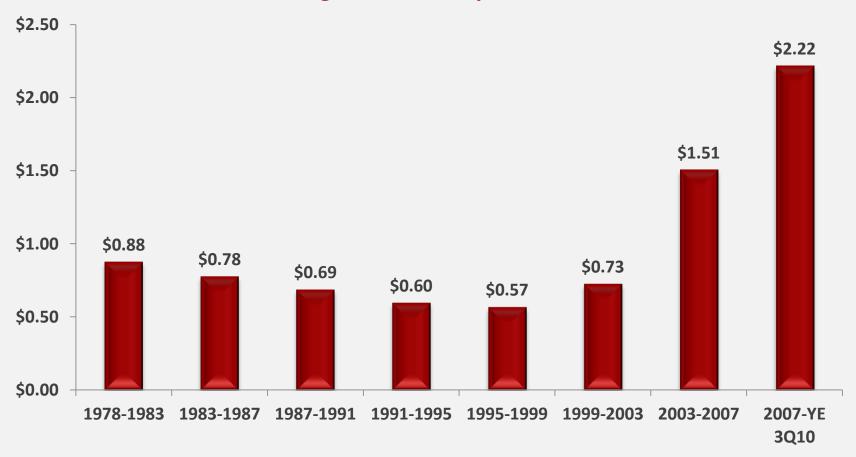


The Restructuring Increased Output, but The Cost Per Unit of Output Going the Wrong Way



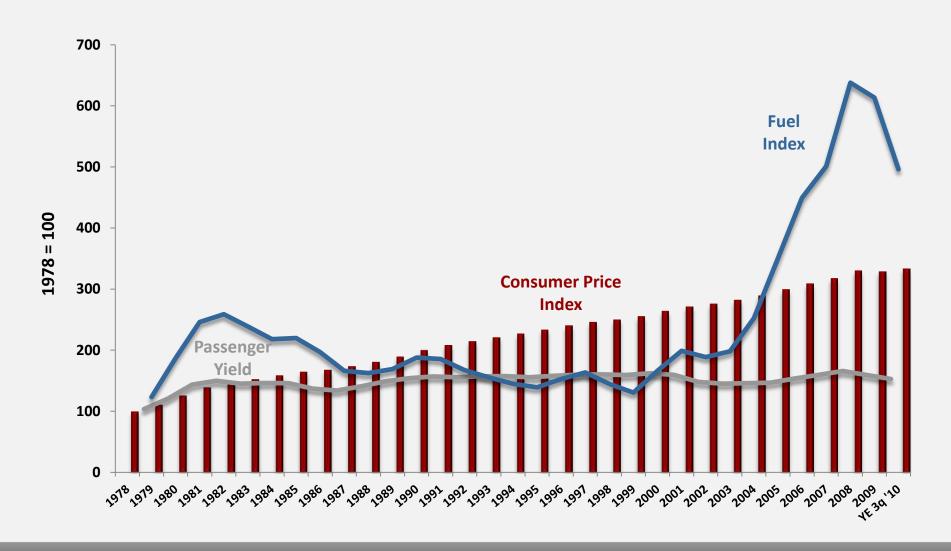
An Industry Built on \$30 per Barrel "In the Wing" Oil

5-Year Average* U.S. Price per Gallon of Jet Fuel



^{* 3-}Year Average for 2007-2010

Fuel Surpasses Labor As Largest Cost Category

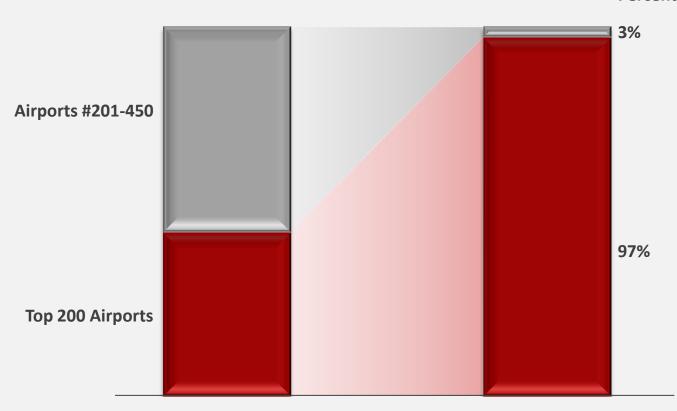


What About the U.S. Airport System?

- 200 of the roughly 450 mainland U.S. markets comprise 97% of domestic demand
- Yet the 250 airport markets comprising 3% of domestic demand compete for the same pool of dollars
 - Spending money in all of the wrong places?
- The market share mentality created a system that competed with itself. Airlines the culprit of fragmenting their own marketplace at home

40 Percent of Mainland Airports Produce 97% of Demand

Percent of Domestic Demand



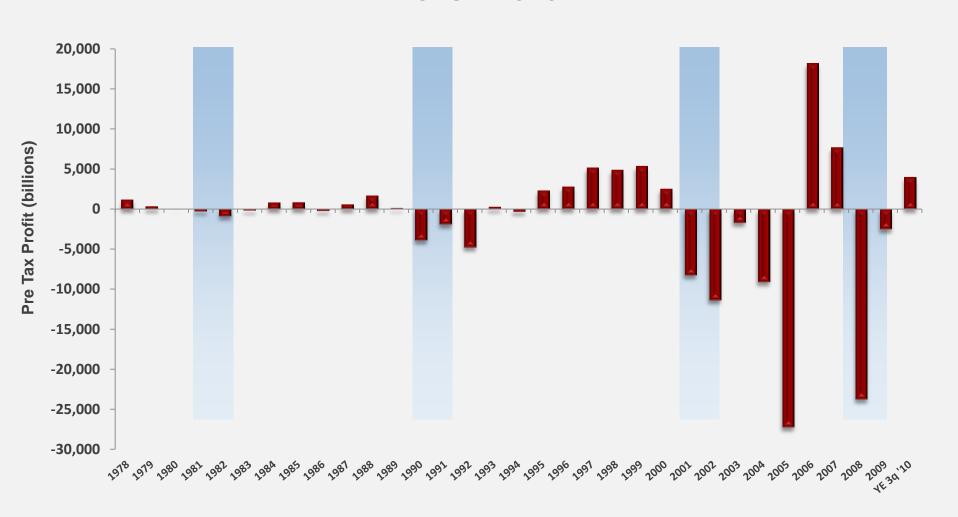
Per Enplanement Profit and Loss

Passenger Revenue Only

	1980 - 1989	1990 - 1999	2000 - 2009	2010E
Passenger Revenue	\$105.16	\$129.44	\$135.91	\$144.81
Labor	\$39.66	\$47.33	\$49.04	\$45.56
Fuel	\$24.94	\$17.64	\$34.21	\$44.30
Commissions	\$8.99	\$12.91	\$3.16	\$1.99
Landing Fees	\$2.03	\$2.90	\$3.46	\$4.05
Aircraft Ownership	\$7.36	\$12.87	\$14.19	\$12.82
All Other	\$30.98	\$44.12	\$48.26	\$49.45
Total Op Expenses ex TR	\$113.96	\$137.77	\$152.33	\$158.17
Passenger Revenue Less Expense	(\$8.80)	(\$8.32)	(\$16.42)	(\$13.35)
Interest	\$3.99	\$3.16	\$4.87	\$6.11
Passenger Revenue Less Expense + Interest	(\$12.80)	(\$11.49)	(\$21.28)	(\$19.47)
Ancillary Fees			\$0.14	\$8.70
Restated With Ancillary Fees	(\$12.80)	(\$11.49)	(\$21.14)	(\$10.76)

Producing Unacceptable Annual Net Profits

1978 - 2010

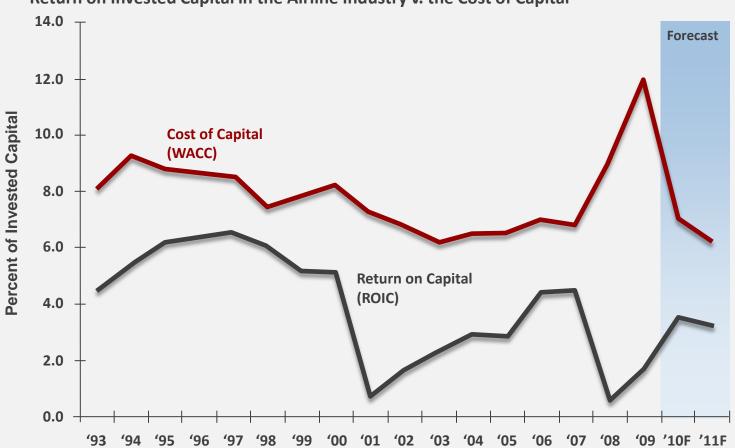


Or.... A Cumulative Loss of Over \$40 Billion Since 1978



And Not a Chance in Hell that the Industry Could Earn at Least Its Cost of Capital

Return on Invested Capital in the Airline Industry v. the Cost of Capital



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Bankruptcies

	BANKRUPTCIES	CUMULATIVE BANKRUPTCIES	SOME HIGHLIGHTED CARRIERS	
1978				
1979	2	2	New York Air	
1980	4	6		
1981	5	11		
1982	10	21	Braniff	
1983	5	26	Continental	
1984	17	43	Air Florida, Wien	
1985	10	53	PBA, Cascade	
1986	6	59	Frontier	
1987	9	68	Air Atlanta, Air South	
1988	11	79	Mid Pacific	
1989	7	86	Eastern, Presidential	
1990	6	92	Continental	
1991	16	108	Pan Am, Eastern, Bar Harbor, Midway, America West	
1992	5	113	TWA	
1993	3	116	Hawaiian	
1994	2	118		
1995	5	123	TWA	
1996	4	127		
1997	4	131	Air South, Western Pacific	
1998	2	133		
1999	4	137		
2000	7	144	Tower, Legend	
2001	2	146	TWA, Midway	
2002	4	150	Vanguard, United, US Airways	
2003	2	152	Hawaiian	
2004	6	158	US Airways, ATA, Polar	
2005	7	165	Delta, Northwest, Independence Air	
2006	1	166		
2007	2	168	Maxjet	
2008	5	173	Aloha, ATA, Skybus, Frontier, Air Midwest	

- Labor was the bank of first resort throughout the 1980's and 1990's (Barrier to Exit)
 - Temporary fixes
 - Labor gives concessions and gets paid back and more time and again
- Consolidation among regional competitors in the mid 1980's proved key in building national networks
- Strong carriers buying strategic assets from weak competitors
- Recession in the early 1990's serves as catalyst to first round of hub closures
- Poor attempts at building "airlines within airlines" to combat low cost competition still in its infancy

- Travel agent commission structure targeted by the industry
- Negotiation of Open Skies Agreements becomes goal of US aviation policy
 - Alters carrier thinking regarding international flying
- International alliances in formative years
- Significant changes to US Bankruptcy Code
- ▶ The "over exuberant" use of 50-seat regional jet begins
 - Begins process of replacing mainline domestic flying
- Southwest crosses the Mississippi
- Industry enjoys most profitable period in its history
- At the peak of the cycle, the industry tries to buy labor peace and overpays

- First transatlantic alliances immunized
- Network carrier cost structures exploited by the vigorous incursion of low cost carrier capacity
- Insurance costs skyrocket after 9/11
- ▶ Five of the seven network carriers file for bankruptcy
- Nearly \$12 billion in labor savings won
- ▶ 150,000 jobs shed
- Maintenance outsourcing becomes a more widespread practice
- First round of meaningful capacity reductions
- Significant shift of domestic flying from network carriers to their respective regional partners takes place
- Network carriers shift capacity away from US domestic market and redeploy aircraft to international markets

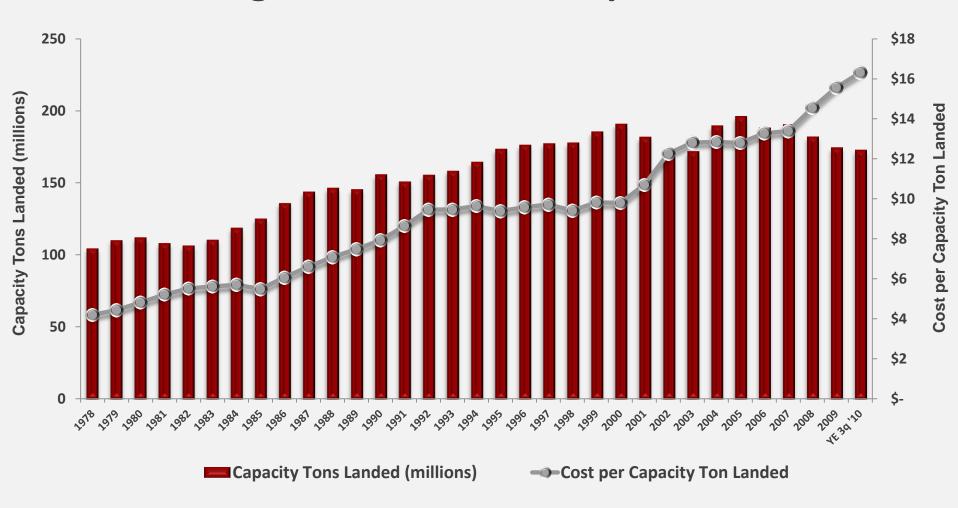
- As fuel prices increase, various hedging strategies employed with mixed success
- As fuel prices peak, industry employs a number of strategies to generate ancillary revenue
- As fuel prices peak, industry announces significant capacity reduction and puts a capacity discipline mantra to work
- New round of consolidation not limited to network carriers
- Industry seems intent on not implementing their pattern bargaining sins of the past with labor
- Pushing the envelope to find new ways to take cost out of the operation
 - Few magic bullets remain



The Expense Portion of the Income Statement

- ▶ Labor: Expectations far exceed industry's ability to pay
 - Want a restoration of pay without commensurate productivity
 - Hard to restore pay when benefit costs so high
- Maintenance: Outsourcing has slowed as a practice
- ▶ Commissions: Low hanging fruit has been picked but American believes the middleman still has too much influence in this area
- Airport Costs: Along with employee benefits and GDS fees, this area promises to be a cost center scrutinized by airlines going forward

Landing Fees The "Age Old" Airline v. Airport Conflict

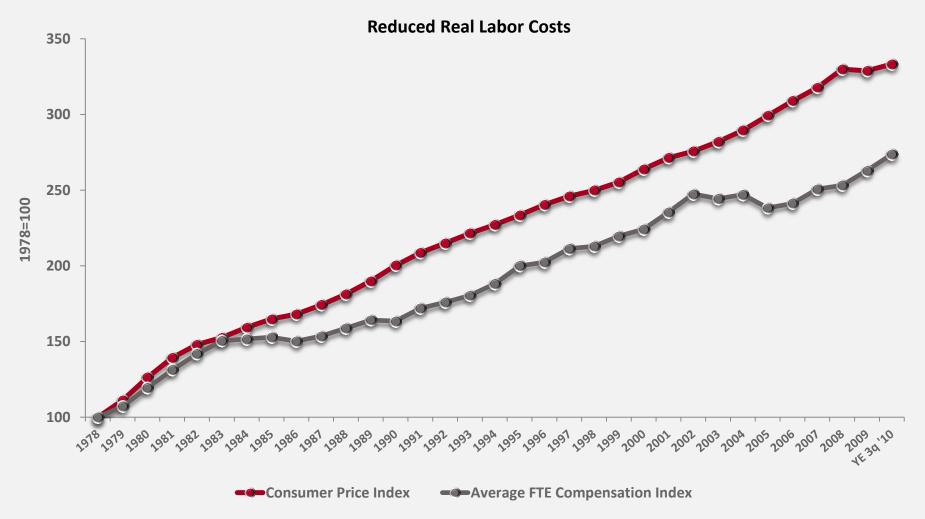




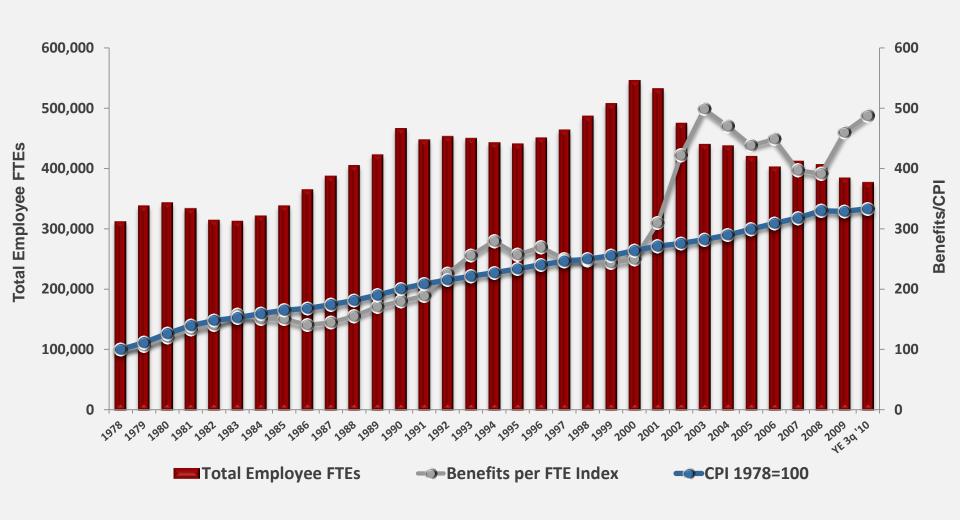
Unit Costs that Grow in Real Terms Have Been Addressed in the Past



Despite the Boom and Bust Cycles of Labor Negotiations, Labor Compensation has Dropped in Real Terms



But the Cost of Benefits Are a Concern





What to Make of the Last 30 Years?

- ▶ Then: Barriers to entry for new and existing carriers were removed
 - Now:
 - Interestingly, fuel costs/volatility proving to be a barrier to entry
 - Fuel costs have limited the growth of the Low Cost sector in a significant way
- Then: Barriers to exit for inefficient carriers were erected

Now:

- Unlikely that labor is a source of capital this time around
- Traditional external sources of capital not likely to fund inefficient operators
- Then: Finally in the 2000's, cost reductions and efficiency improvements that were expected during the previous two decades began to happen

Now:

- Will the industry stand and not give in to destructive pattern bargaining?
- Will the industry stand and not give in to the urge to add capacity?
- Along those lines, will the industry stop competing with itself?
- Will the industry finish the work of removing the middleman where possible?

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