

Single Large Airline Annual GreenLandings® Benefit Analysis

Preventing CO2, Defects, Fuel Waste and Productivity Loss

Annual Crew Buffer Cost	\$	374,125,000
Annual Defect Rework Cost	\$	208,761,750
Annual Overnight Rework Cost	\$	173,968,125
Annual Fuel Buffer Cost	\$	977,549,537
Annual Aircraft Lost Productivity Cost	\$	3,167,591,667
Annual Lower Ticket Revenue with Low A0 Quality	\$	231,957,500
Total Single Airline Annual Buffer/Rework Cost	\$	5,133,953,579
Annual Recoverable Crew Buffer Cost	\$	112,237,500
Annual Recoverable Defect Rework Cost	\$	52,190,438
Annual Recoverable Overnight Rework Cost	\$	43,492,031
Annual Recoverable Fuel Buffer Cost	\$	293,264,861
Annual Recoverable Aircraft Productivity Revenue	\$	633,518,333
Annual Additional Ticket Revenue with A0 Quality	\$	231,957,500
Total Annual Recoverable Buffer/Rework Cost	\$	1,366,660,663
Total Annual Tons of Single Airline CO2 Generated		33,503,731
Total Annual Tons of Buffer/Excess CO2 Generated		4,467,164
Total Annual Tons of Buffer/Excess CO2 Easily Prevented		1,340,149
Total Annual Fuel (gallons)		3,350,373,134
Total Annual Buffer/Excess Fuel (gallons)		446,716,418
Total Annual Buffer/Excess Fuel Easily Saved (gallons)		134,014,925
Total Buffer/Excess Aircraft Required		114
Total Buffer/Excess Percentage of Total Aircraft		12.0%
Total Buffer/Excess Aircraft Easily Recovered		23
Total Number of Buffer Pilots Required		2,000
Total Number of Buffer Pilots Easily Recovered		600