

## FAA and MAC MSP Projections - Will we have the enough capacity?

According to the FAA (2000 - 2001) demand at MSP is expected to grow by 32% over the next 10 year period. In order to achieve that figure, operations would need to grow at an average annual rate of 2.815% (see #3). For other growth figures we have chosen more conservative estimates than industry standards.

	2000	2005	2010	2015	2020
1) Gross Area Product	\$184,000,000,000	\$213,306,429,671	\$247,280,613,799	\$286,666,004,655	\$332,324,467,179
Rate of Growth (3%)	1.030	1.030	1.030	1.030	1.030
Cumulative % Rate of Growth (from 2000)		15.9%	34.4%	55.8%	80.6%
2) Population	4,900,000	5,196,004	5,509,889	5,842,735	6,195,689
Pop Rate of Growth (1.18%)	1.012	1.012	1.012	1.012	1.012
Cumulative % Rate of Growth (from 2000)		6.0%	12.4%	19.2%	26.4%
3) Airport Operations (peak hours)	112	128	147	169	193
Airport Operations (annual)	508,012	582,364	667,599	765,310	877,321
Ops rate of growth (2.7695%)	1.028	1.028	1.028	1.028	1.028
Cumulative % Rate of Growth (from 2000)		14.6%	31.4%	50.6%	72.7%
4) Passenger enplanements (local population)	17,526,353	19,732,919	22,217,292	25,014,447	28,163,763
Enplanement Rate of Growth (2.4%)	1.024	1.024	1.024	1.024	1.024
Cumulative % Rate of Growth (from 2000)		12.6%	26.8%	42.7%	60.7%
5) Connecting Passengers (potential tourists)	7,125,034	8,022,075	9,032,054	10,169,188	11,449,488
Connecting Rate of Growth (2.4%)	1.024	1.024	1.024	1.024	1.024
Cumulative % Rate of Growth (from 2000)		12.6%	26.8%	42.7%	60.7%
6) Cargo Carrier Operations (Fed Ex, UPS, Emery)	18,247	22,200	27,010	32,862	39,981
Cargo Ops rate of growth (4%)	1.040	1.040	1.040	1.040	1.040
Cumulative % Rate of Growth (from 2000)		21.7%	48.0%	80.1%	119.1%
7) Cargo Operations (in tons-Fed Ex, UPS, Emery)	210,324	255,891	311,331	378,782	460,846
Cargo Carriers rate of growth (4%)	1.040	1.040	1.040	1.040	1.040
Cumulative % Rate of Growth (from 2000)		21.7%	48.0%	80.1%	119.1%

### Footnotes/Sources

- 1) Gross Area Product: MN Bureau of Economic Analysis for the year 2000: \$184 billion growing at a rate of about 6.5% per year.
- 2) Population: MN State Demographic Center for the year 2000: 4.9 Million growing at a rate of about 1.18% per year.
- 3) Derived from: The Competitiveness of the Twin Cities Metropolitan Area and the Minneapolis-St. Paul International Airport. Carlson School of Management, Center for Transportation Studies, University of Minnesota, 2001
- 4) MAC, 05.06.02: For the year 2,000 Passenger Enplanements: 17,526,353. Per "The Competitiveness"(see footnote 3), passenger volume is expected to increase by 3% per year thru 2010 at MSP. The World Travel & Tourism Council predicts a 2.1% per annum increase thru 2010.
- 5) MAC, 04.29.02: For the year 2000, there were 7,125,034 connecting domestic passengers at MSP. Connections were about 40% of the domestic enplanements.
- 6) MAC, 05.14.02: 18,247. Cargo carriers only, does not include passenger planes carrying cargo. Cargo Operations Rate of Growth: According to Int'l Air Transportation Assc's Freight Forecast published in October of 1999 annual rate of cargo growth is 5.5%. According to Boeing's World Air Cargo Forecast 2000-1 long term world air cargo will grow 6.4% per annum in the next 20 years.
- 7) MAC, 05.06.02: 210,324 tons. Cargo carriers only, does not include cargo carried on passenger planes. Cargo Tonnage Rate of Growth: see#6, same rates apply.