

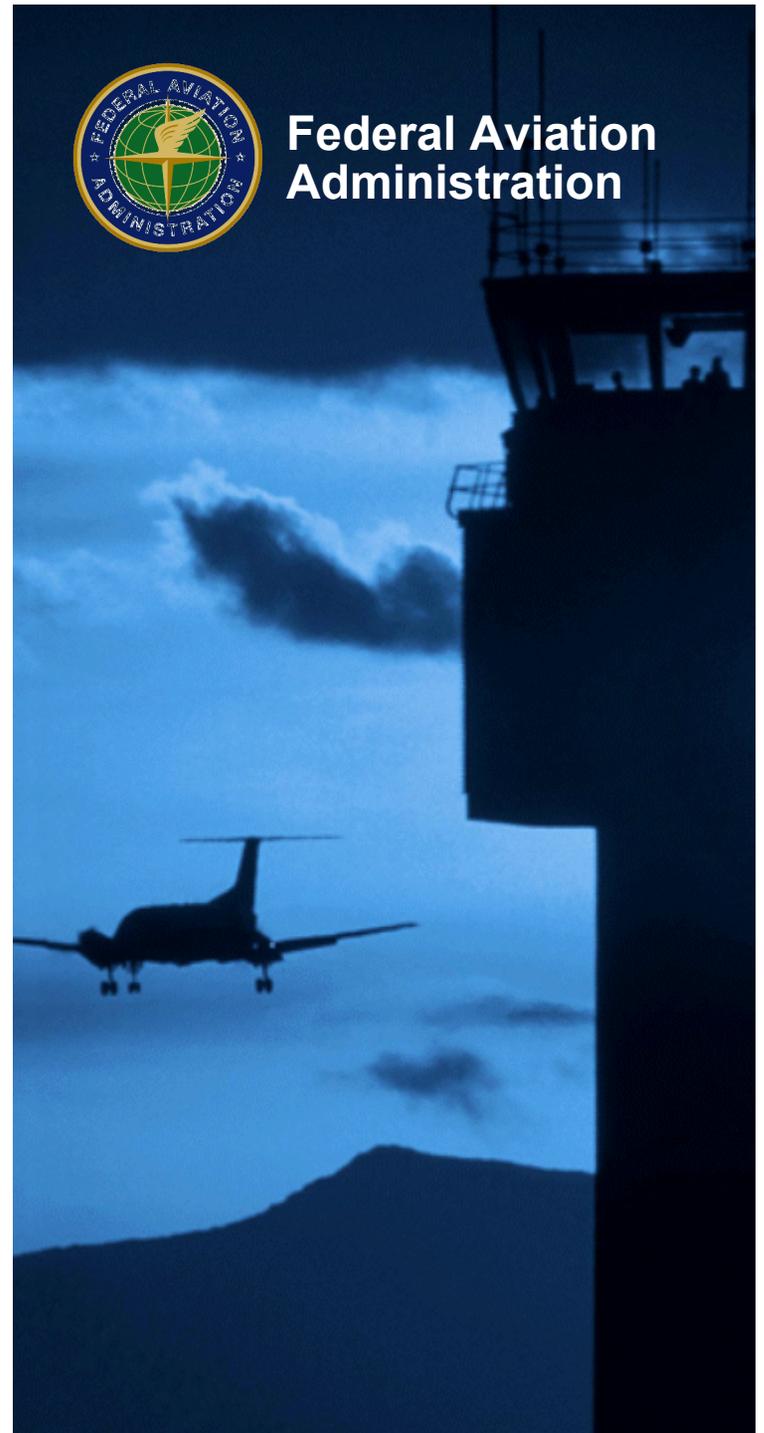
National Forecast Overview 2009-2025

By: Nan Shellabarger,
Director Aviation Policy & Plans

Date: 31 March 2009



**Federal Aviation
Administration**



Review of 2008

- **Airline Traffic mixed, planes remain full**
 - RPMs up 0.7%; Passengers down 1%; LF at 79.5%
- **Pricing – Modest domestic; strong international**
 - Domestic real yield up 0.7%; International up 3.7%
- **General Aviation – Tale of 2 markets**
 - Shipments – Turbojets up 17.2%; Pistons down 17.6%
- **Air Traffic activity falls**
 - Tower Ops down 4.3%; En-Route Traffic down 3.1%

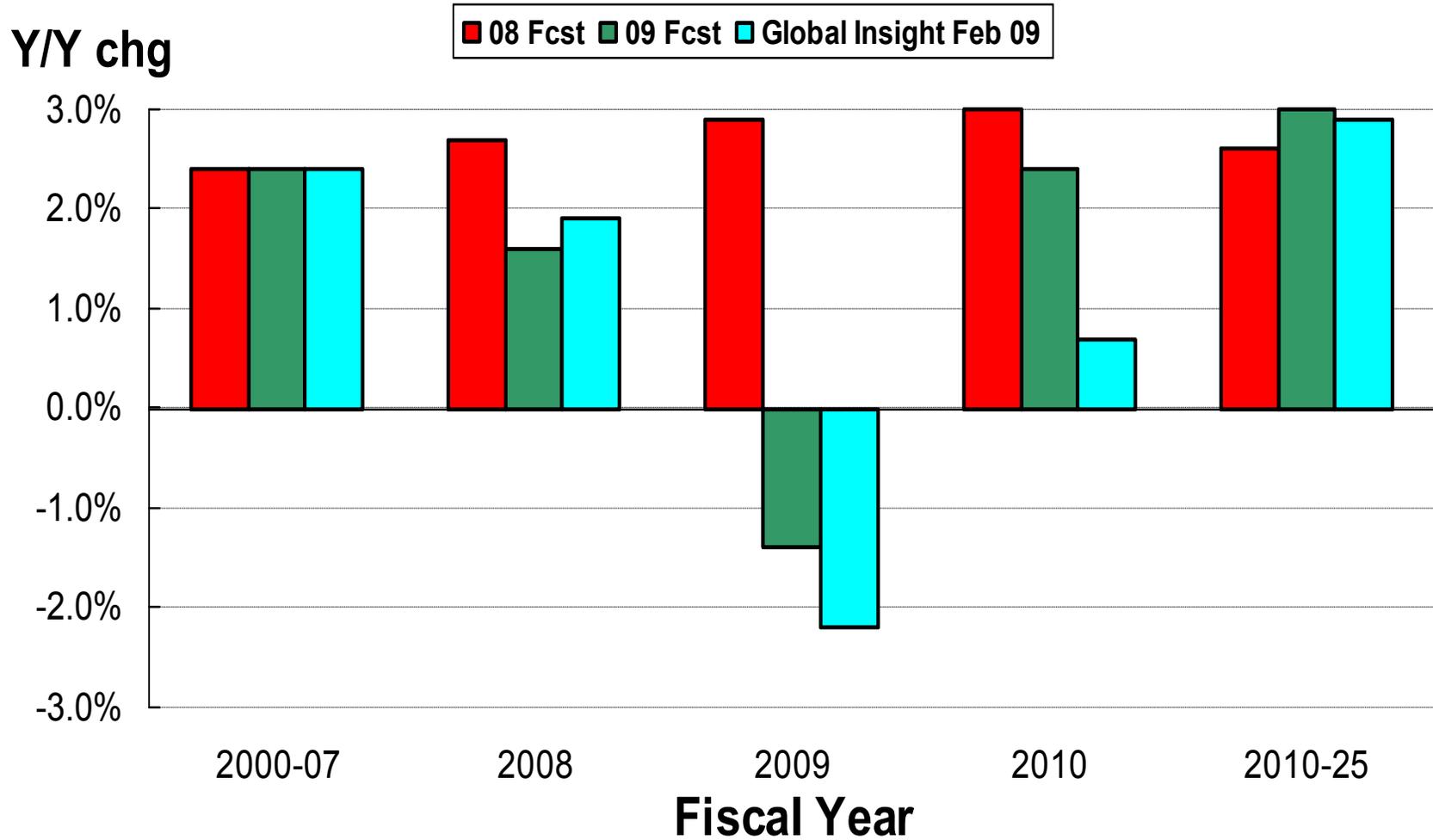


Assumptions 2009-25

- **U.S. and World Economy**
 - Recession in 2009; Recovery in 2010-11
 - Long run trend growth: U.S – 2.6%; World – 3.2%
 - Fastest growth in Asia and Latin America
- **Oil Prices rise steadily after 2009**
- **Commercial Industry**
 - No further consolidation
- **Unconstrained demand**



US Real GDP



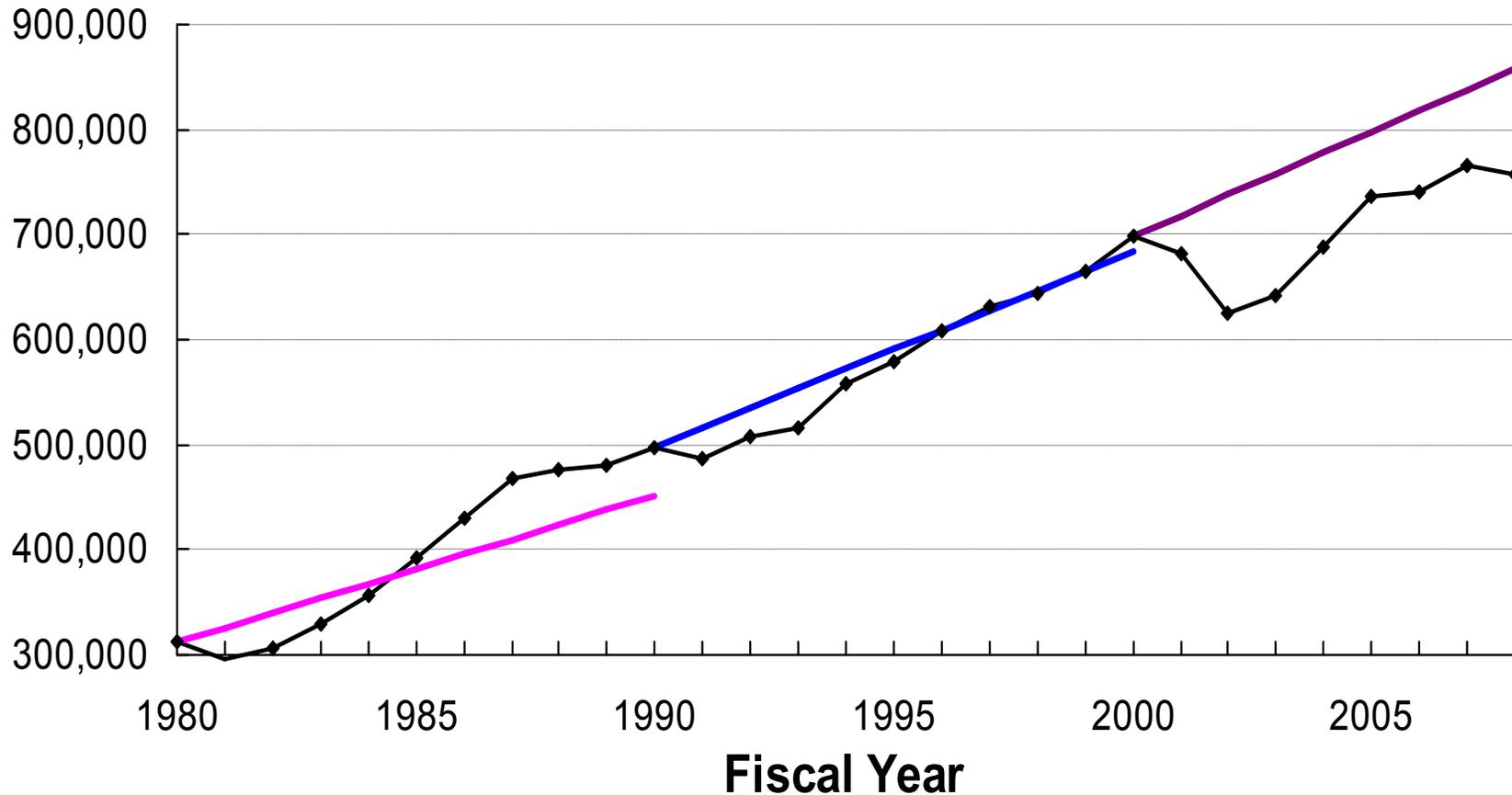
Forecast Overview FY 2009-25

- **Airlines – Sharp downturn then modest growth**
 - 2009: Downturn
 - Passengers shrink 7.3%; RPMs fall 7.1%
 - 2010-25: Growth similar to last year's forecast
 - Passengers increase 2.9% per year; RPMs up 3.9%
 - International grows faster than domestic
 - Load factor remains around 80%
- **General Aviation – Modest long run growth**
 - Fleet grows 17.6%; Flight Hours up 36%
- **Air Traffic - Slower than Airline capacity**
 - Tower Ops grow 1.0% per year; En-Route grows 1.8%



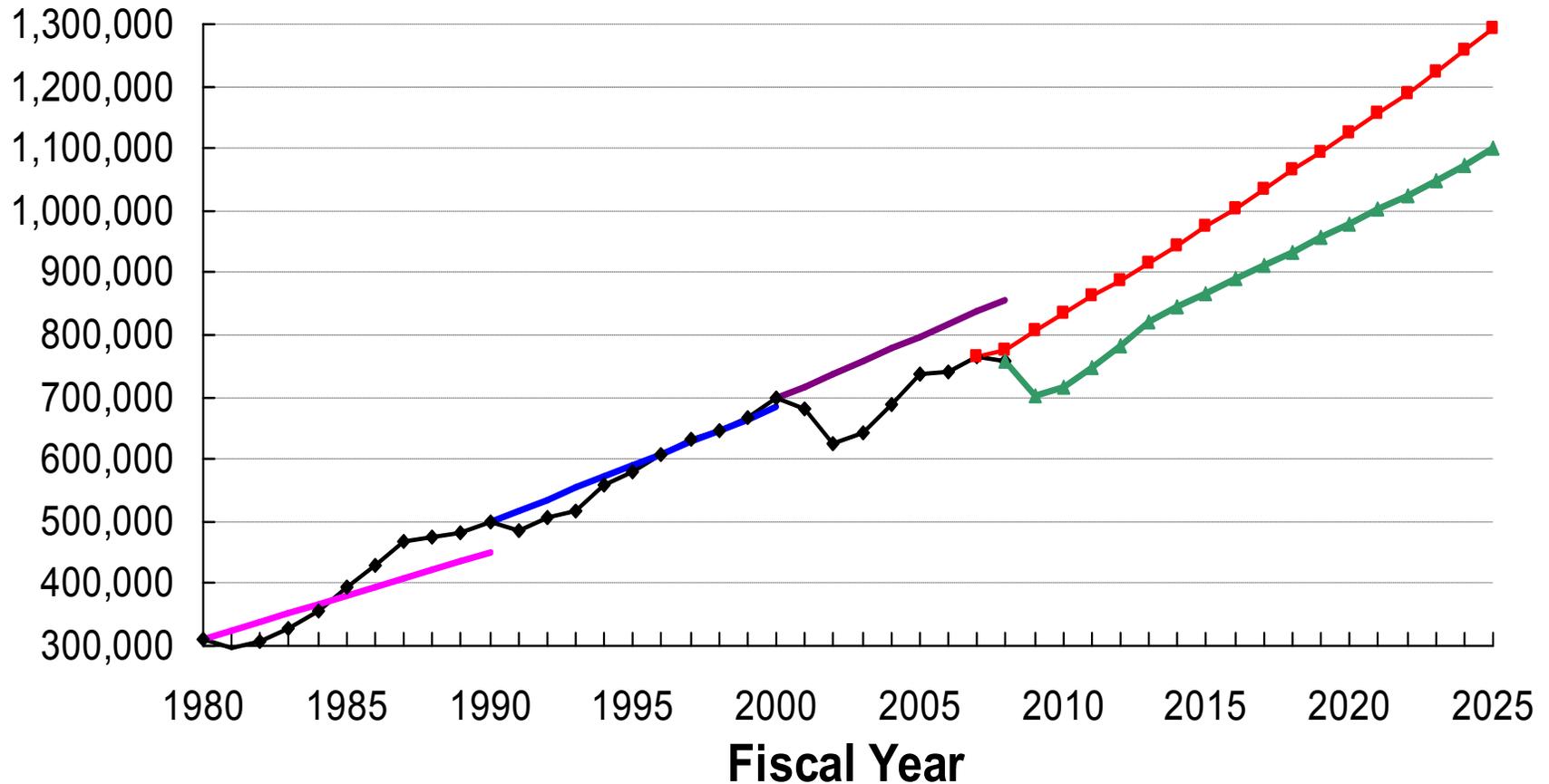
U.S. Carrier System Enplanement History

Enplanements (000)

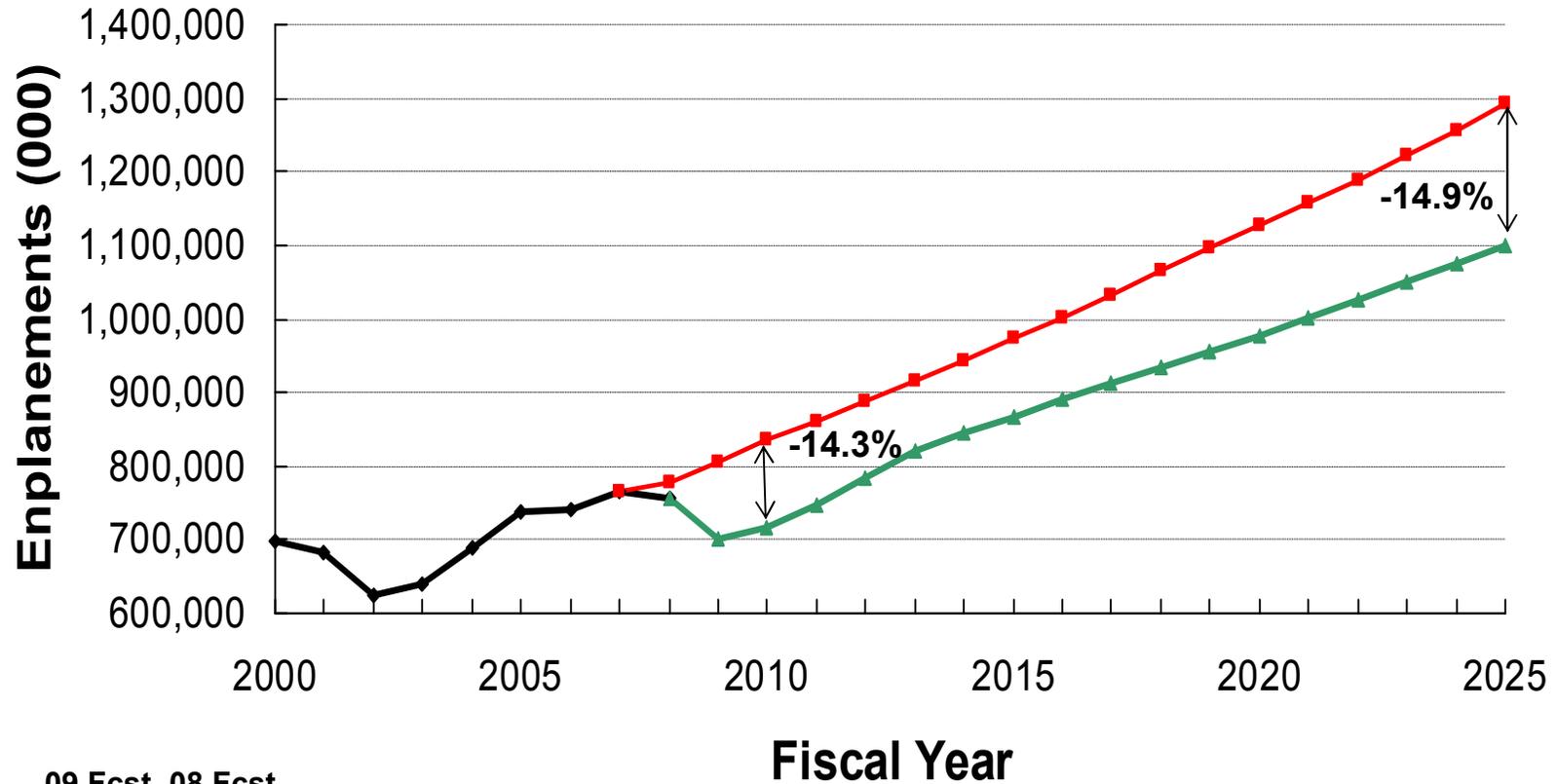


U.S. Carrier System Enplanement History

Enplanements (000)



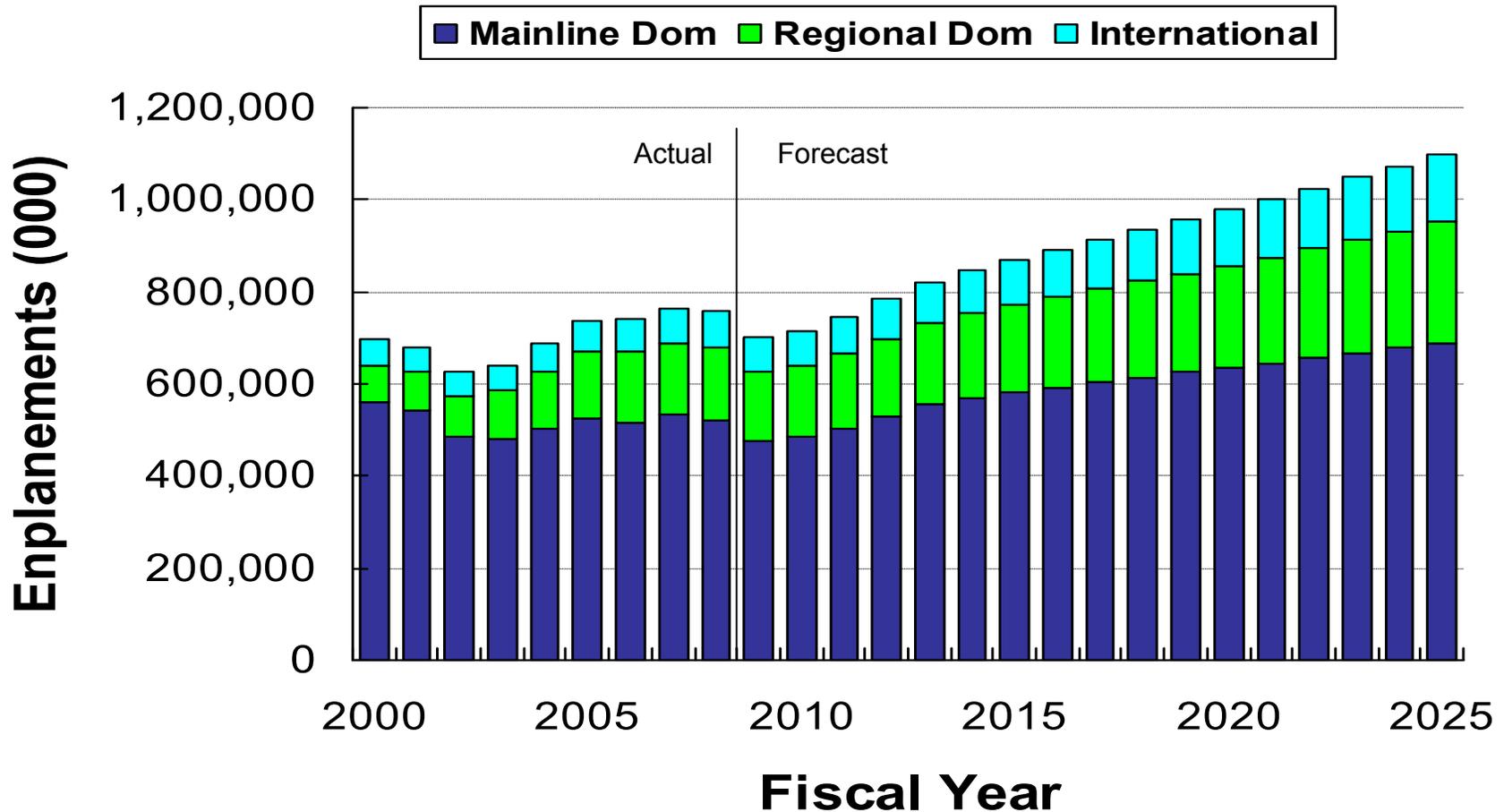
System Enplanements



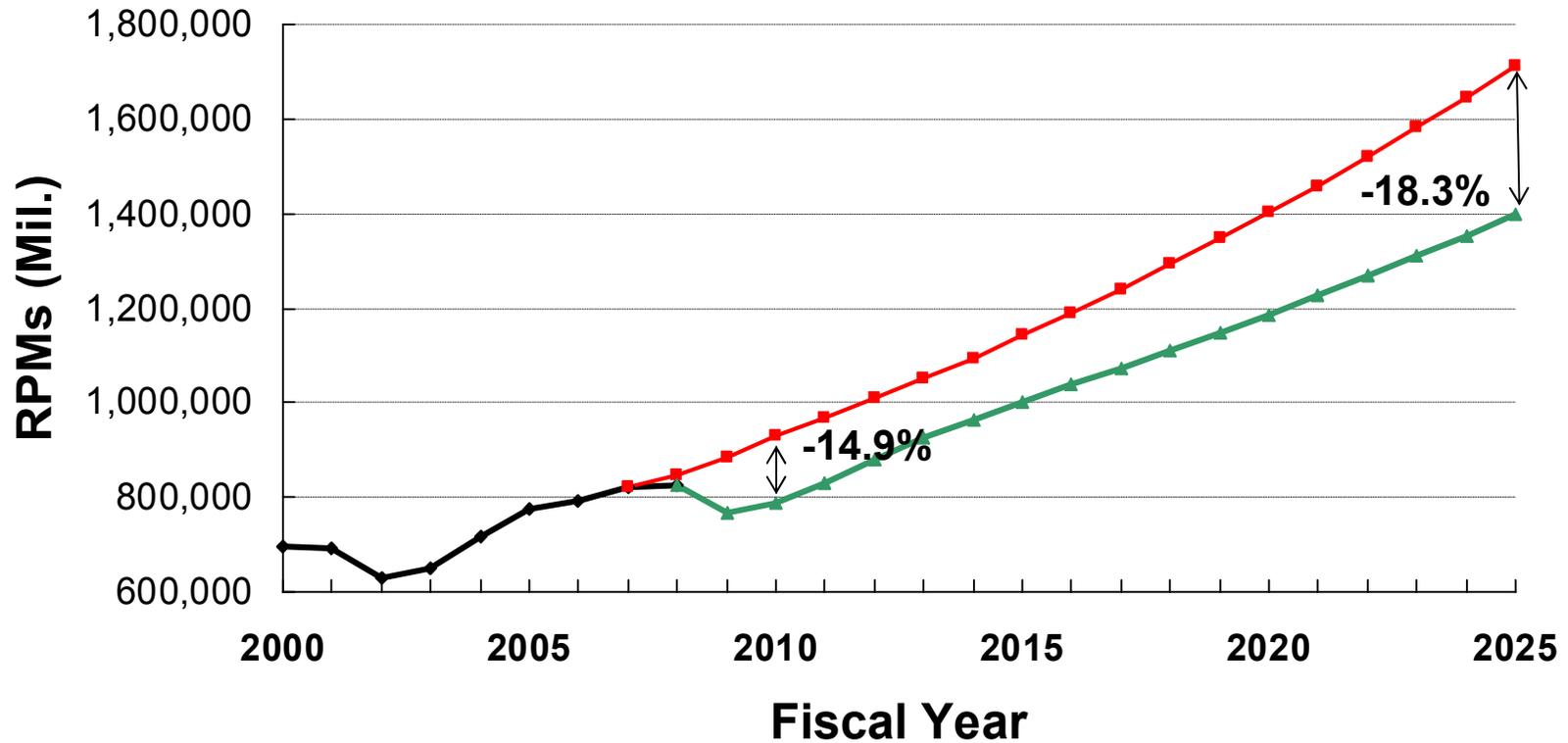
	09 Fcst	08 Fcst
2008-2009:	-7.3%	3.8%
2010-2025:	2.9%	2.9%
2008-2025:	2.2%	3.0%



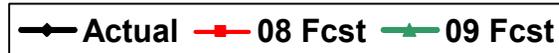
System Enplanements



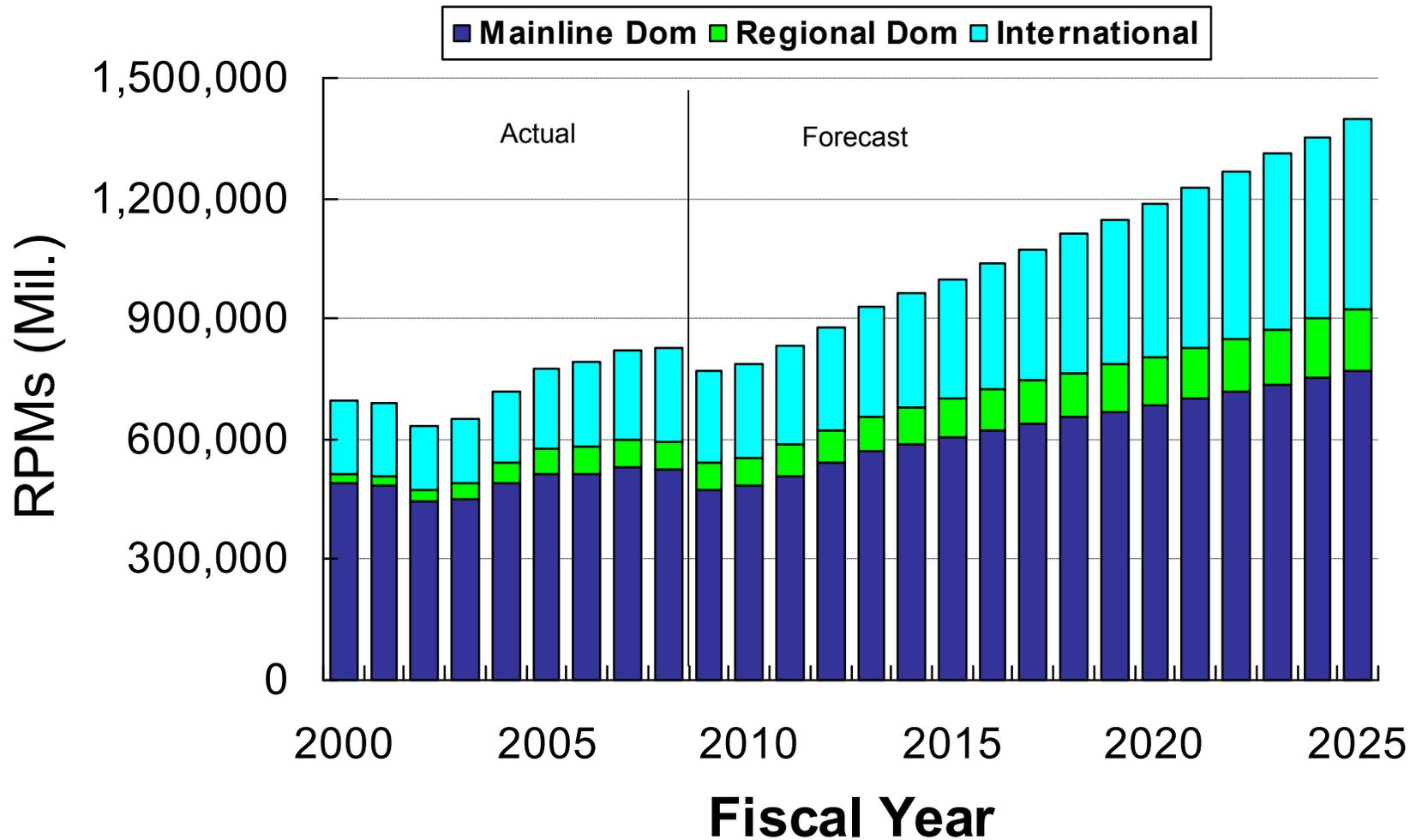
System RPMs



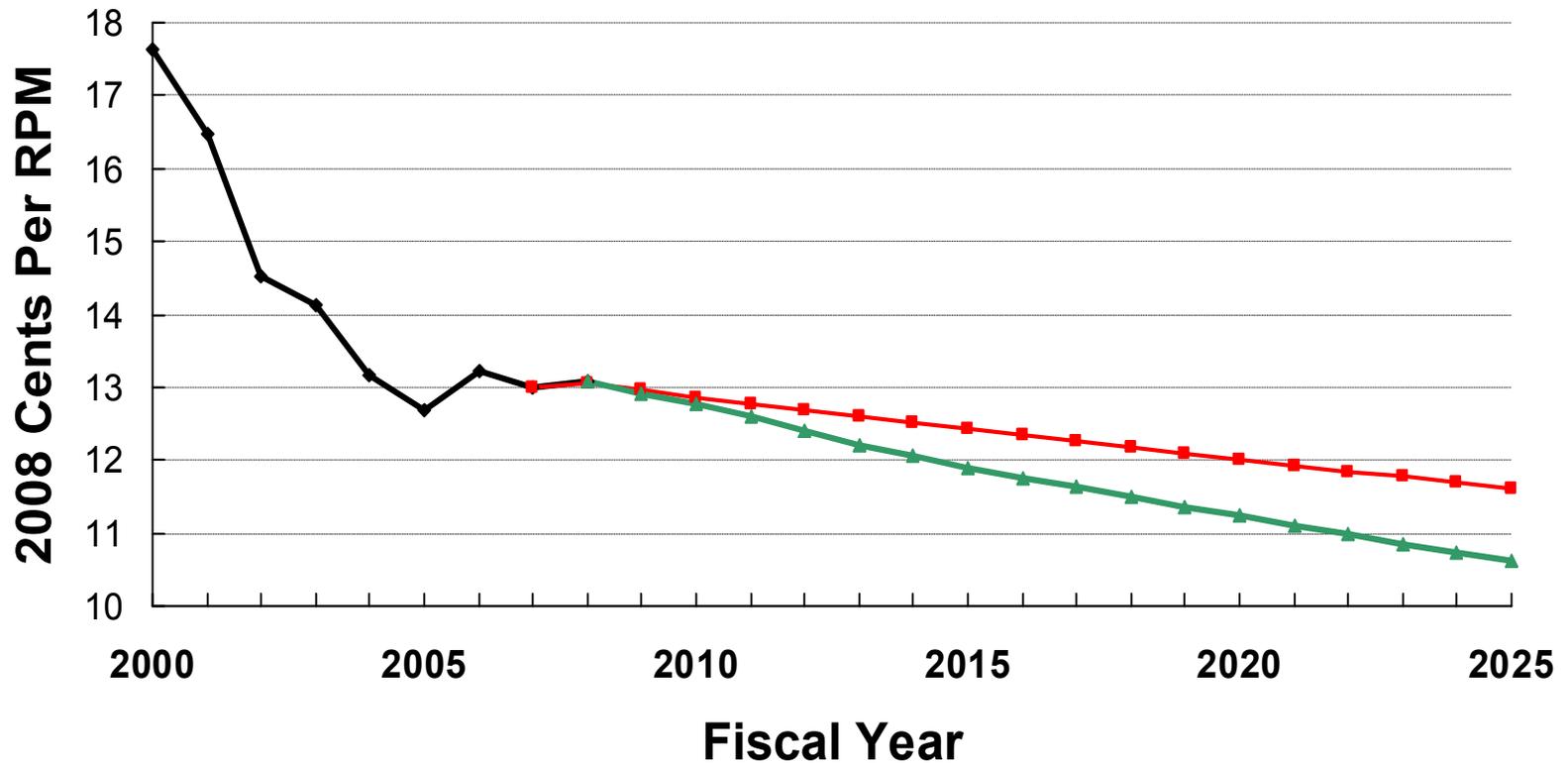
	09 Fcst	08 Fcst
2008-2009:	-7.1%	4.7%
2010-2025:	3.9%	4.2%
2008-2025:	3.1%	4.2%



System RPMs



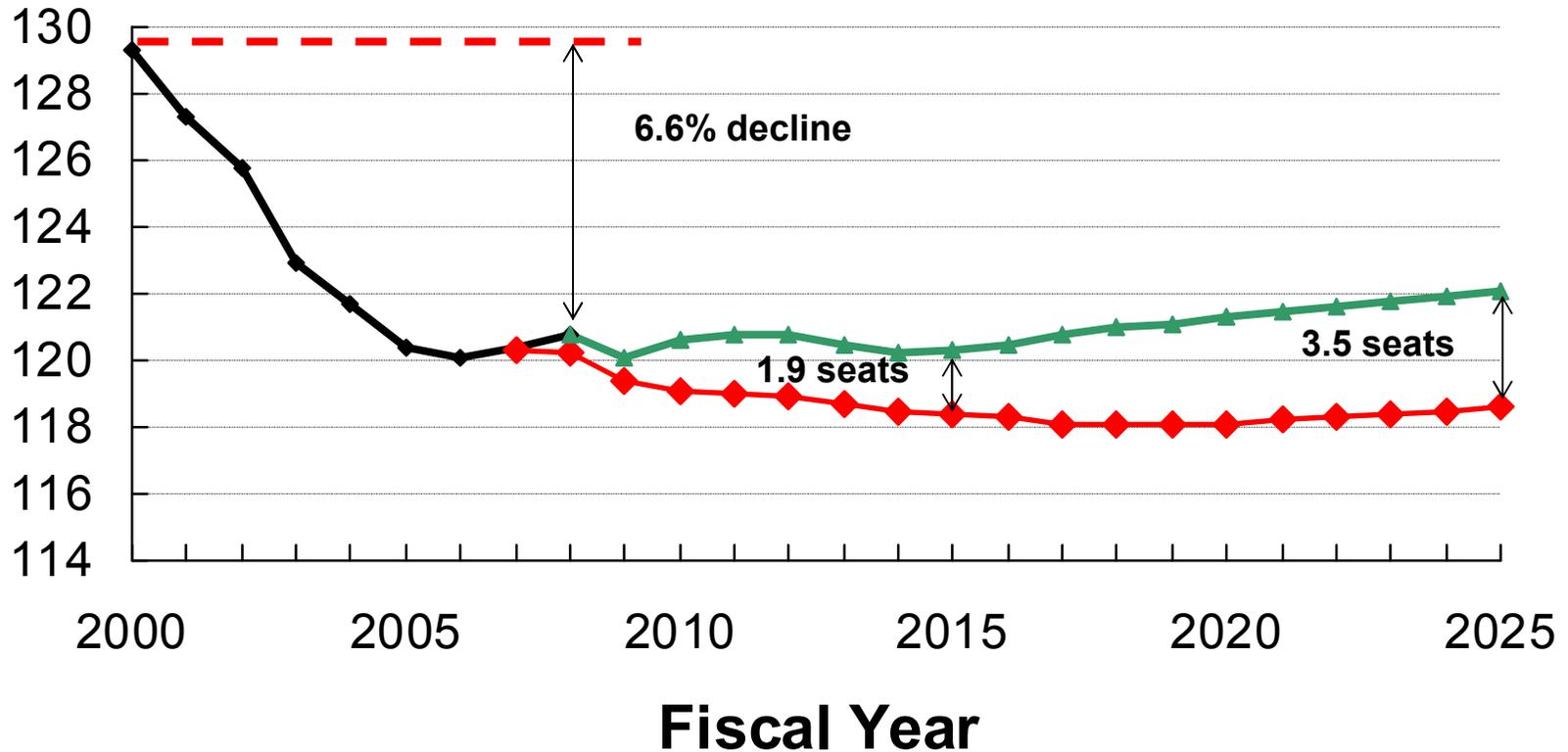
Domestic Real Yield



	09 Fcst	08 Fcst
2008-2009:	-1.4%	-0.6%
2010-2025:	-1.2%	-0.7%
2008-2025:	-1.2%	-0.7%



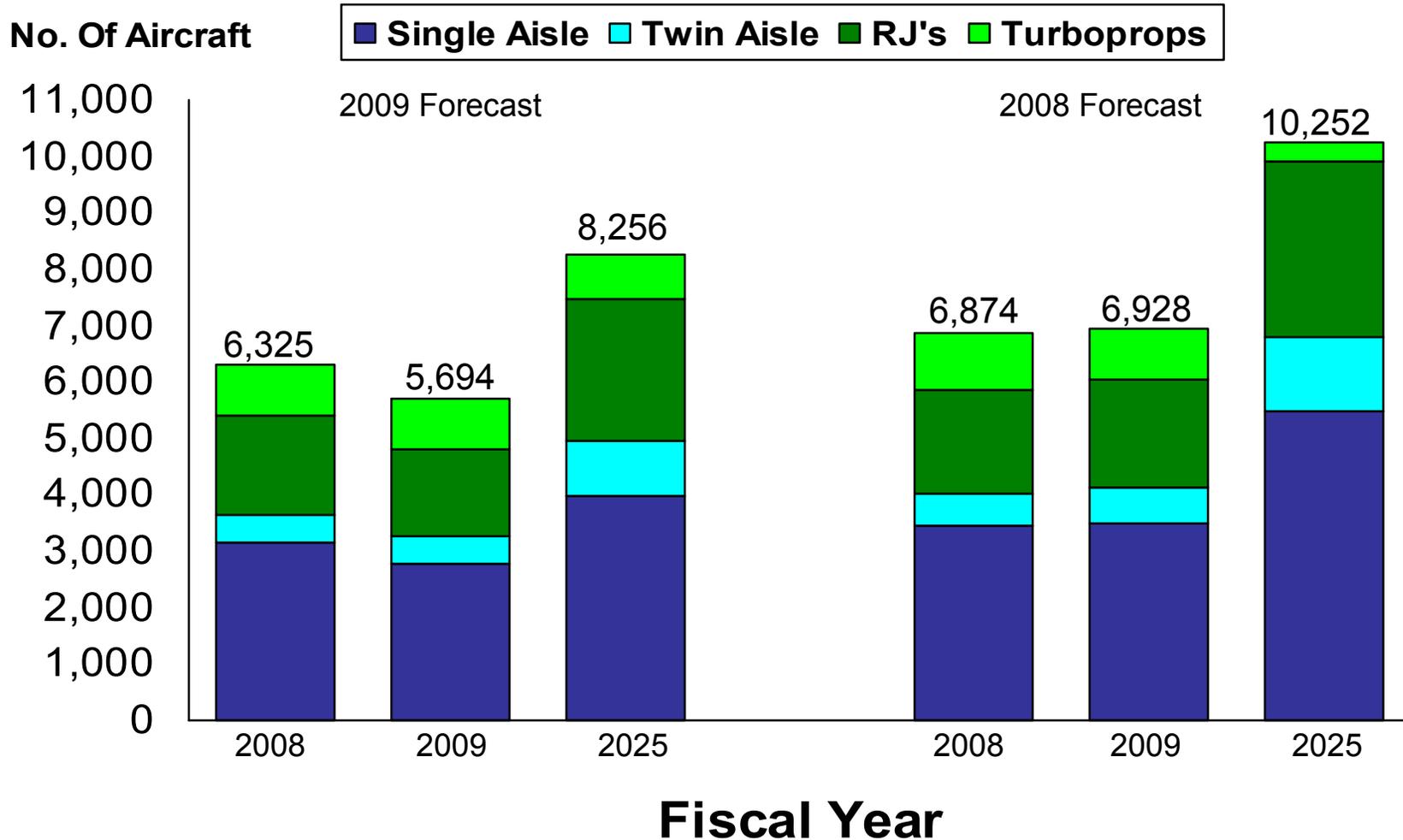
Domestic Seats per Aircraft Mile



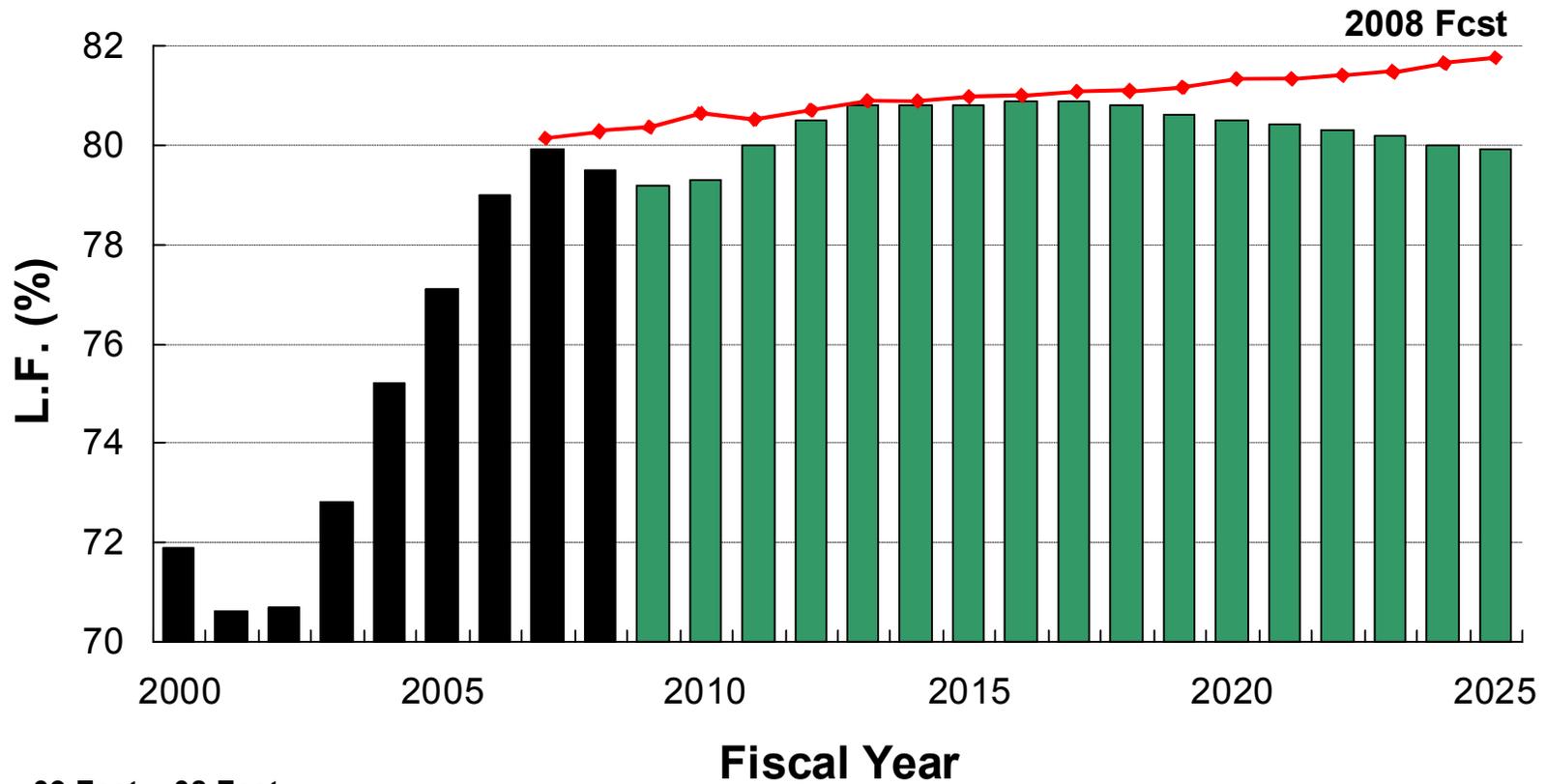
	09 Fcst	08 Fcst
2008-2009:	-0.7 Sts	-0.8 Sts
2010-2025:	0.1 Sts	0.0 Sts
2008-2025:	0.1 Sts	-0.1 Sts



U.S. Passenger Carrier Fleet



System Load Factor

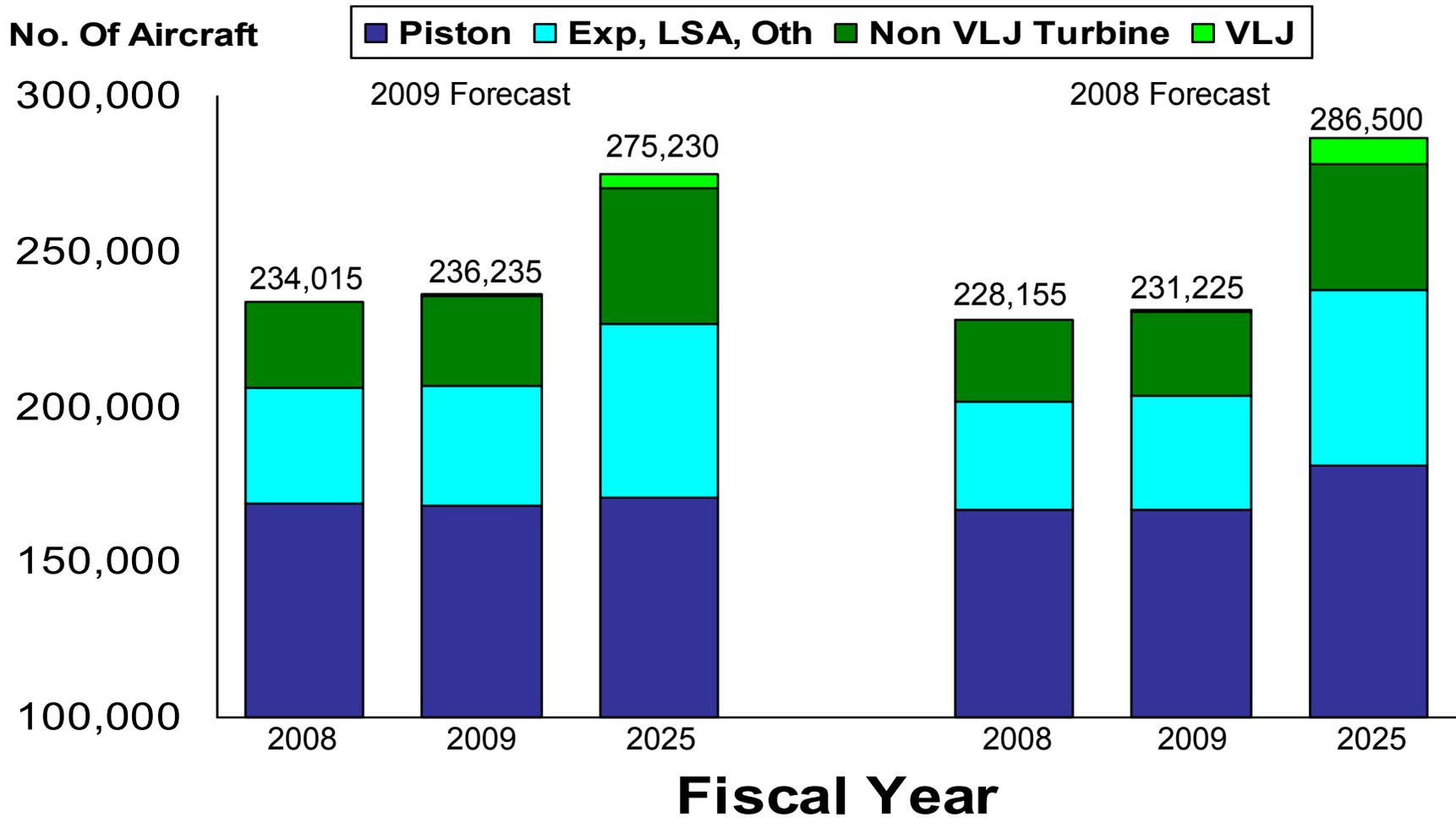


	09 Fcst	08 Fcst
2008-2009:	-0.3 Pts	0.1 Pts
2010-2025:	0.0 Pts	0.1 Pts
2008-2025:	0.0 Pts	0.1 Pts

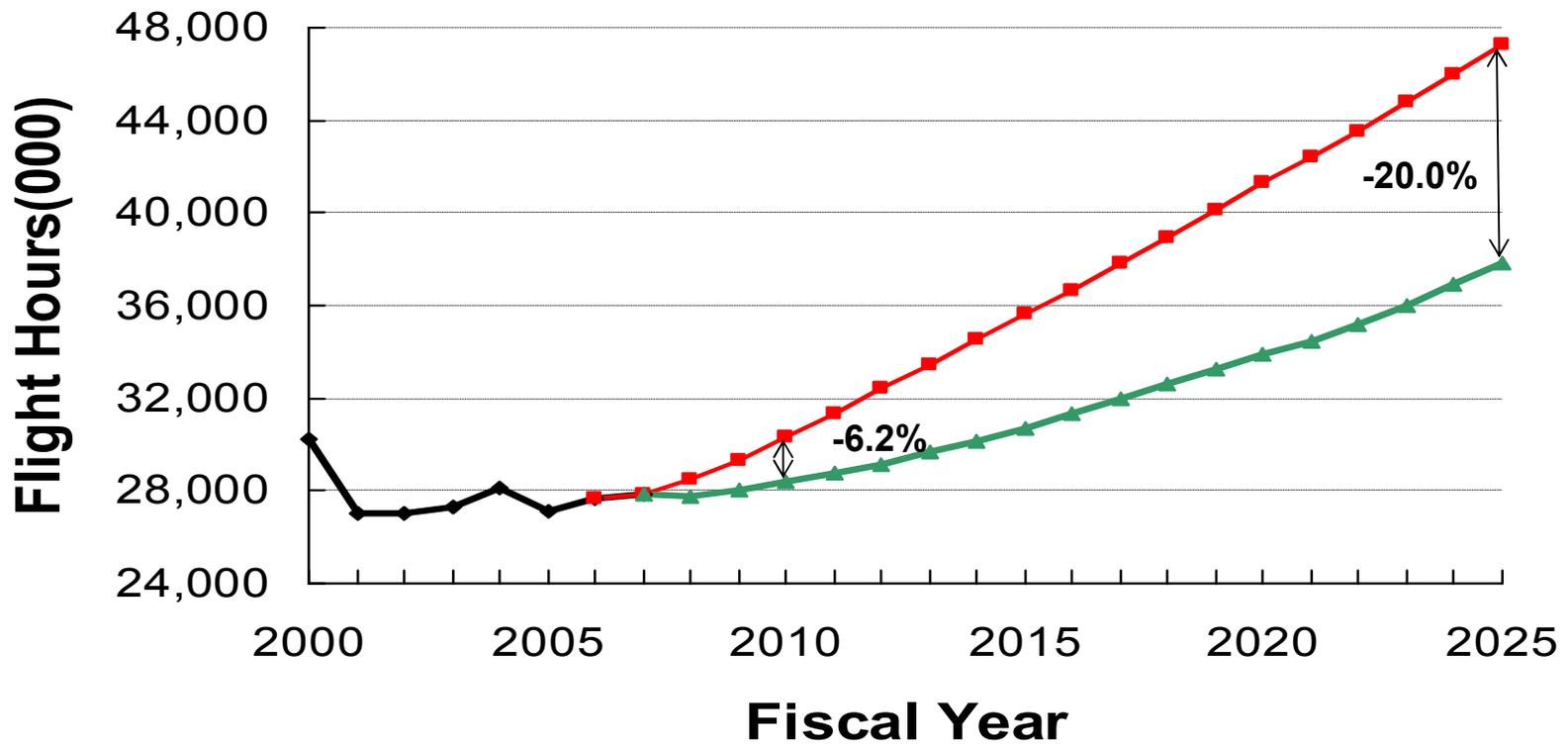
■ Actual ■ 2009 Fcst



U.S. Active General Aviation Fleet



Total General Aviation Flight Hours



	09 Fcst	08 Fcst
2007-2008:	-0.2%	2.1%
2010-2025:	1.9%	3.0%
2008-2025:	1.8%	3.0%

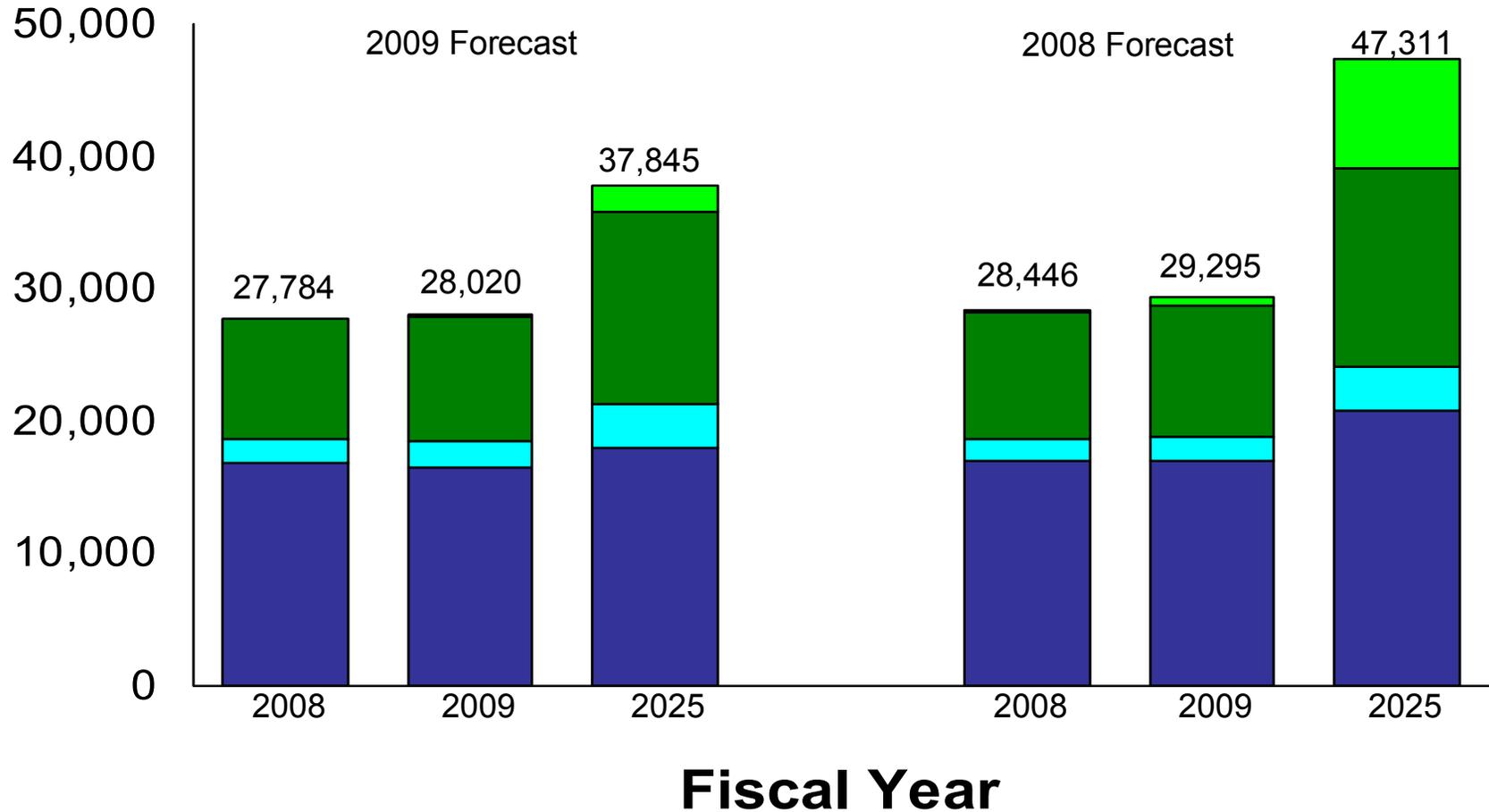
◆ Actual
 ■ 08 Fcst
 ▲ 09 Fcst



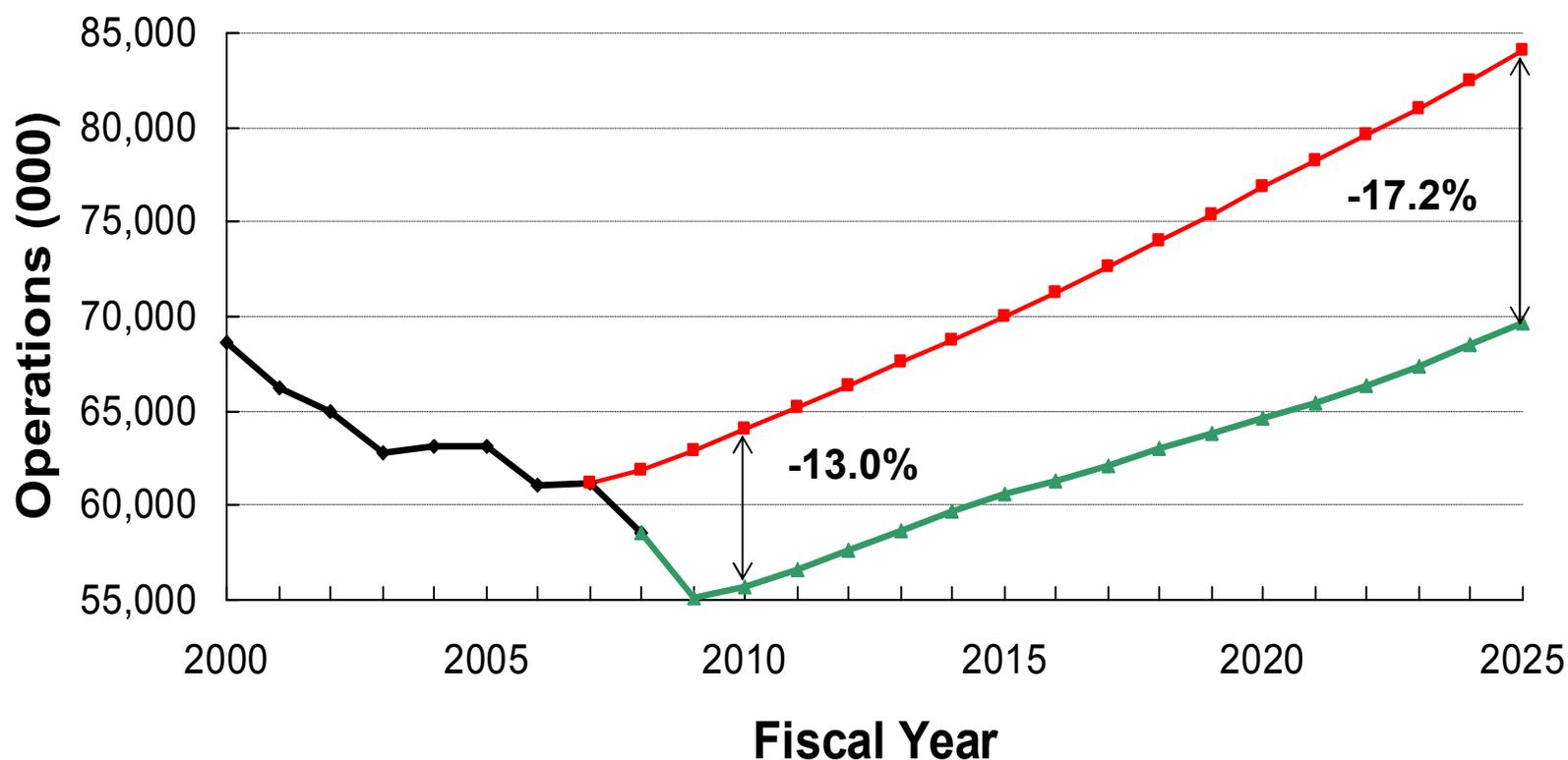
U.S. General Aviation Flight Hours

No. Of Aircraft

■ Piston
 ■ Exp, LSA, Oth
 ■ Non VLJ Turbine
 ■ VLJ



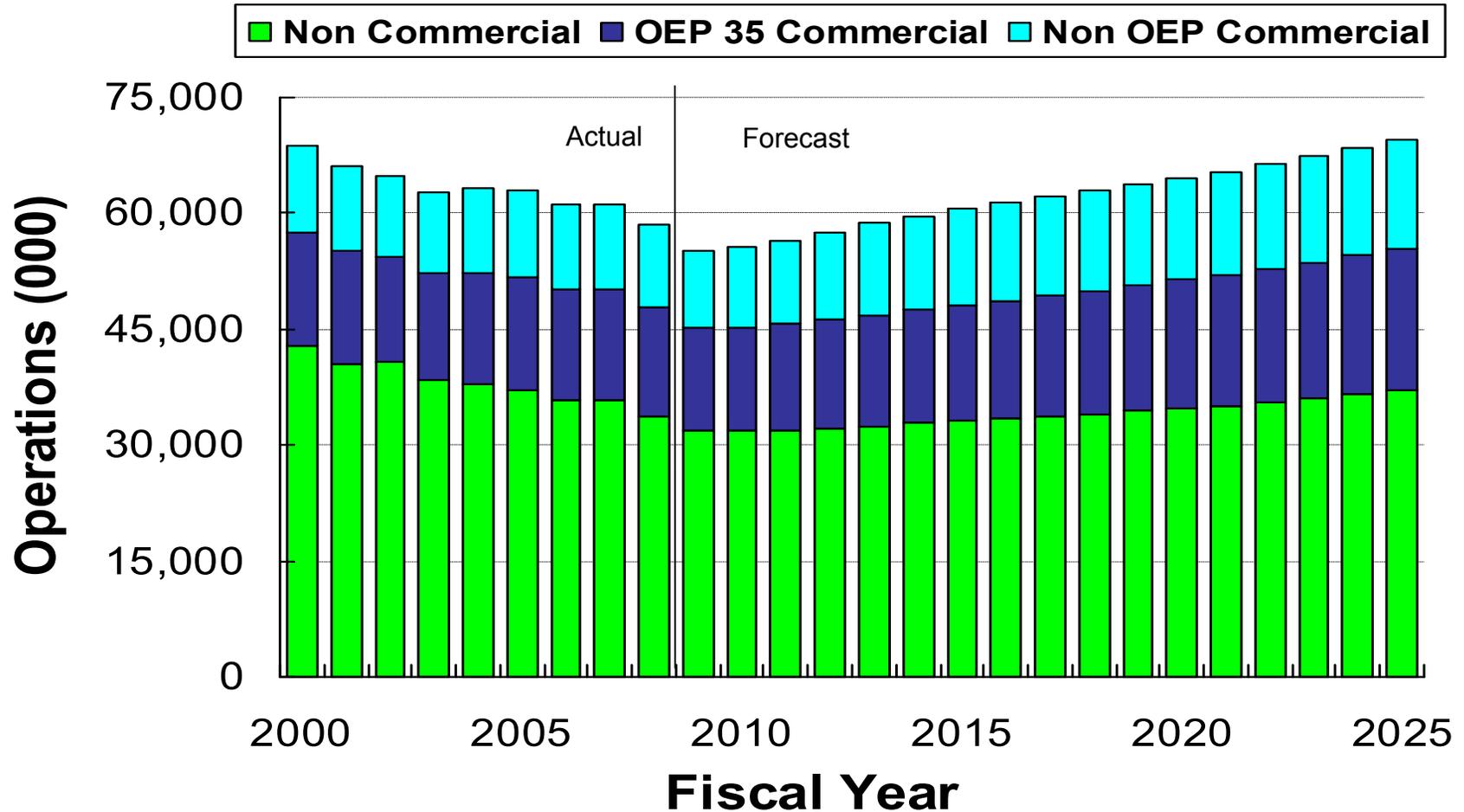
FAA and Contract Towered Airport Operations



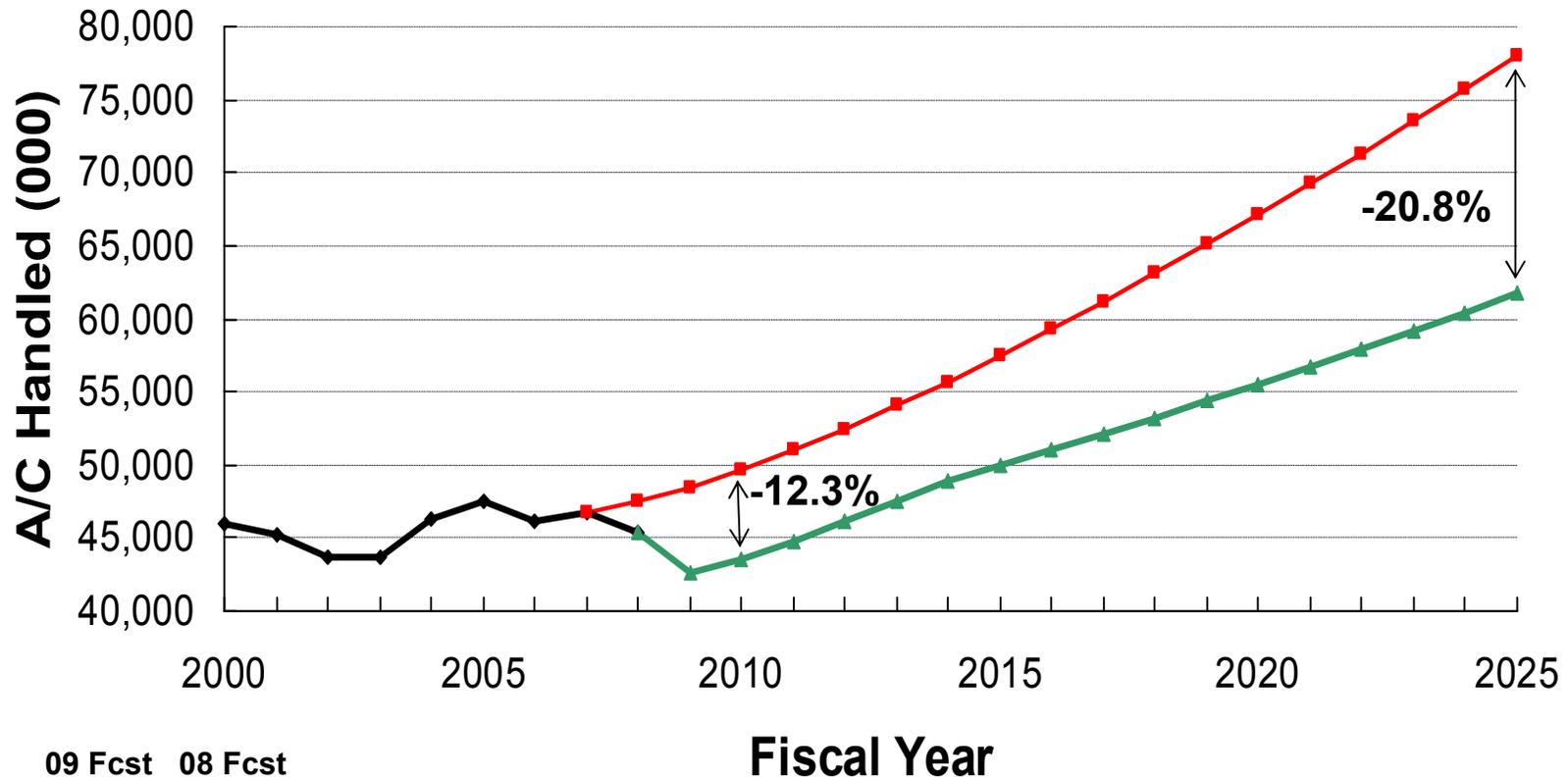
	09 Fcst	08 Fcst
2008-2009:	-5.7%	1.7%
2010-2025:	1.5%	1.8%
2008-2025:	1.0%	1.8%



Tower Airport Operations



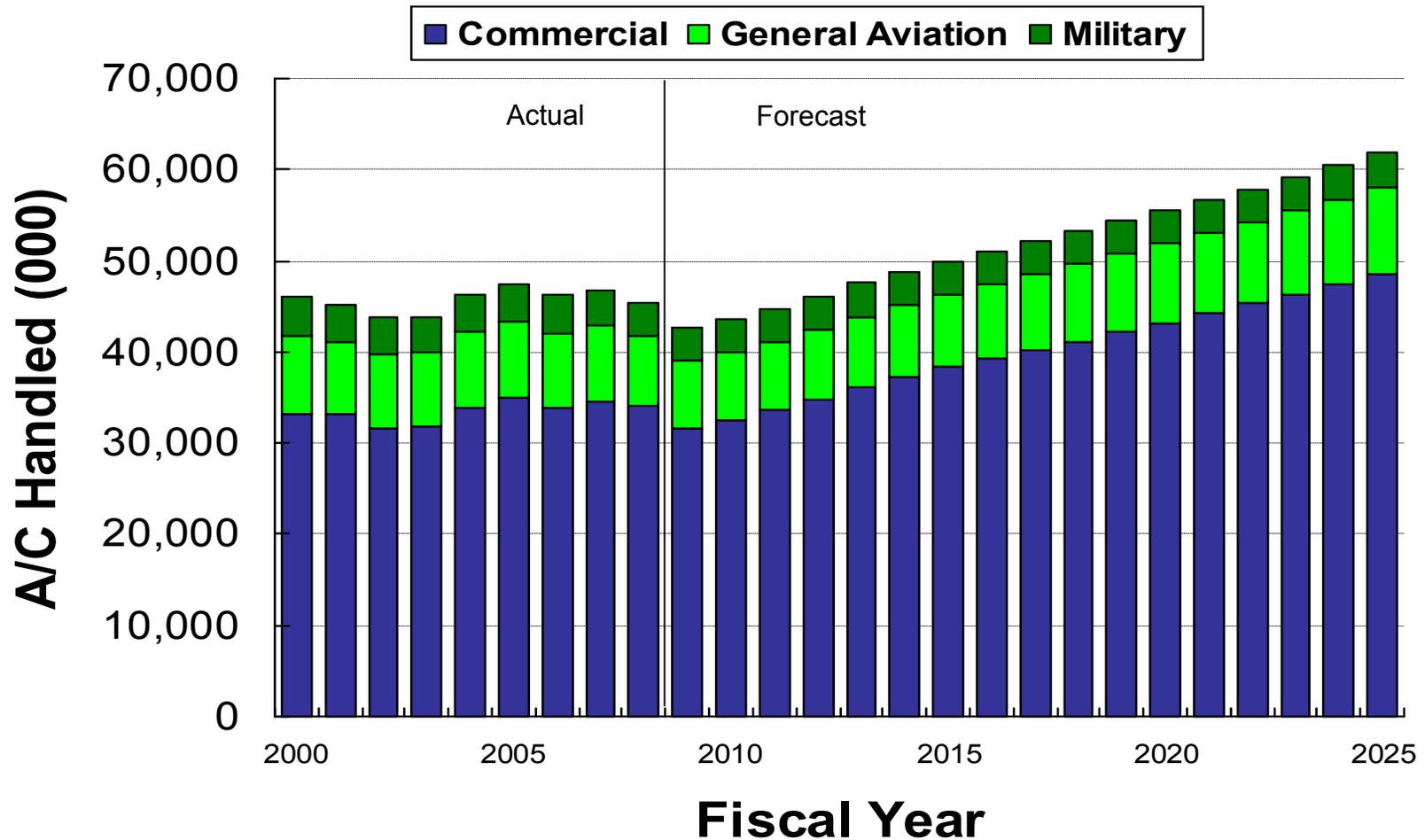
En-Route Aircraft Handled



	09 Fcst	08 Fcst
2008-2009:	-6.0%	1.9%
2010-2025:	2.4%	3.1%
2008-2025:	1.8%	3.0%



En-Route Aircraft Handled



Forecast Risks

- **Economy** – when does recovery occur?
- **Energy** – how long will oil prices stay low?
- **Efficiency** – when growth returns, will we be ready?
- **Environment** – what will be impact of new environmental measures to reduce emissions?



Thank You!

For additional forecast detail:

http://www.faa.gov/data_research/aviation/aerospace_forecasts

