



2017 Long Term Forecast – Economic Projections

Arthur Maniaci

***Supervisor, Load Forecasting & Energy Efficiency
New York Independent System Operator***

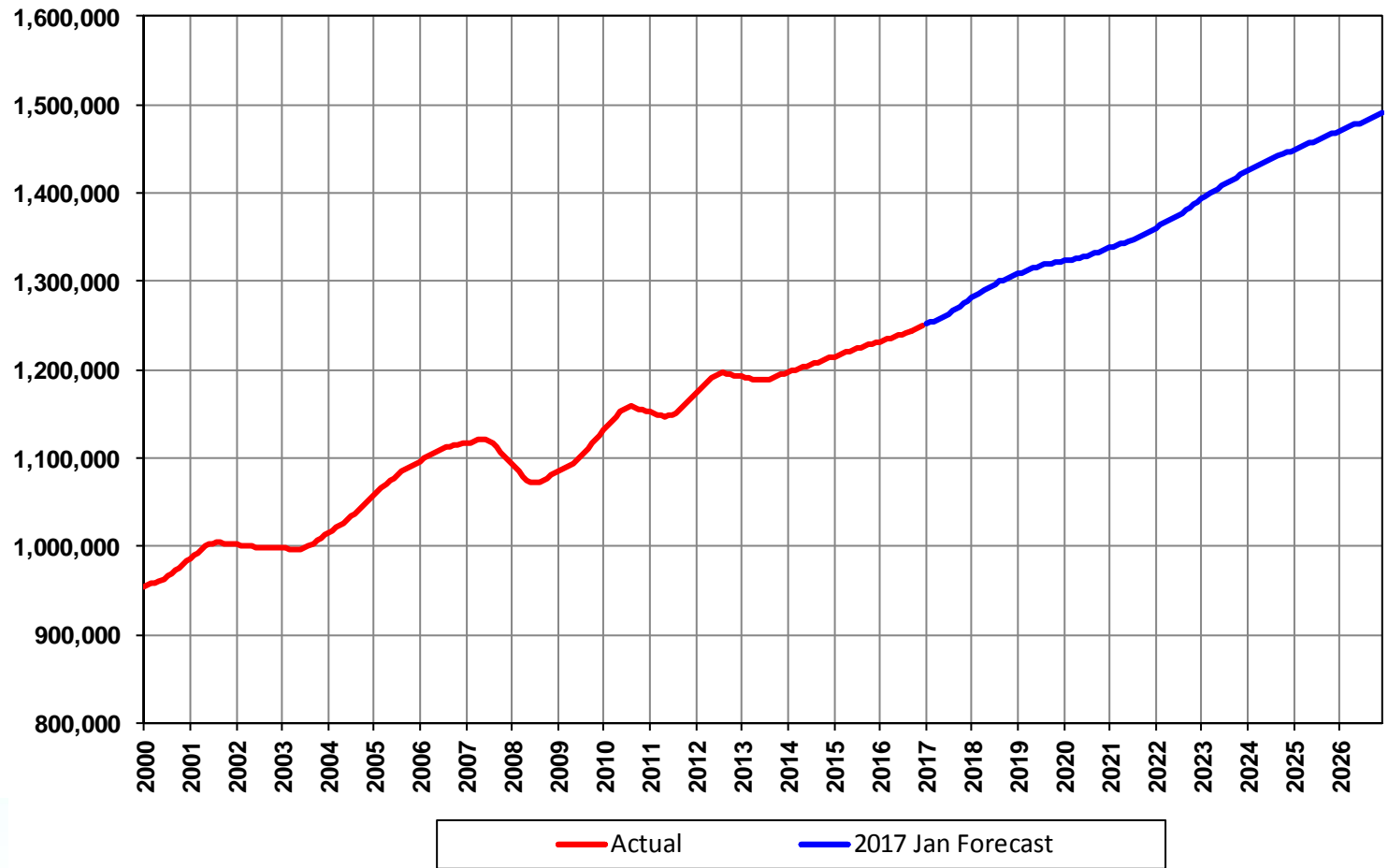
**ESPWG – Electric System Planning Working Group
*March 7, 2017
Rensselaer, NY***

Summary

- ◆ **Economic projections have been updated since the November Presidential election**
 - *Higher growth in first 3 years, followed by slower growth the next 2 years, followed by a second period of increased growth*
- ◆ **Moodys Analytics has adopted new methodologies for determining statewide Gross Domestic Product (GDP) and households.**
 - *GDP methodology is consistent with that adopted by U.S. Bureau of Economic Analysis*

Statewide Real GDP – Actual & Forecast

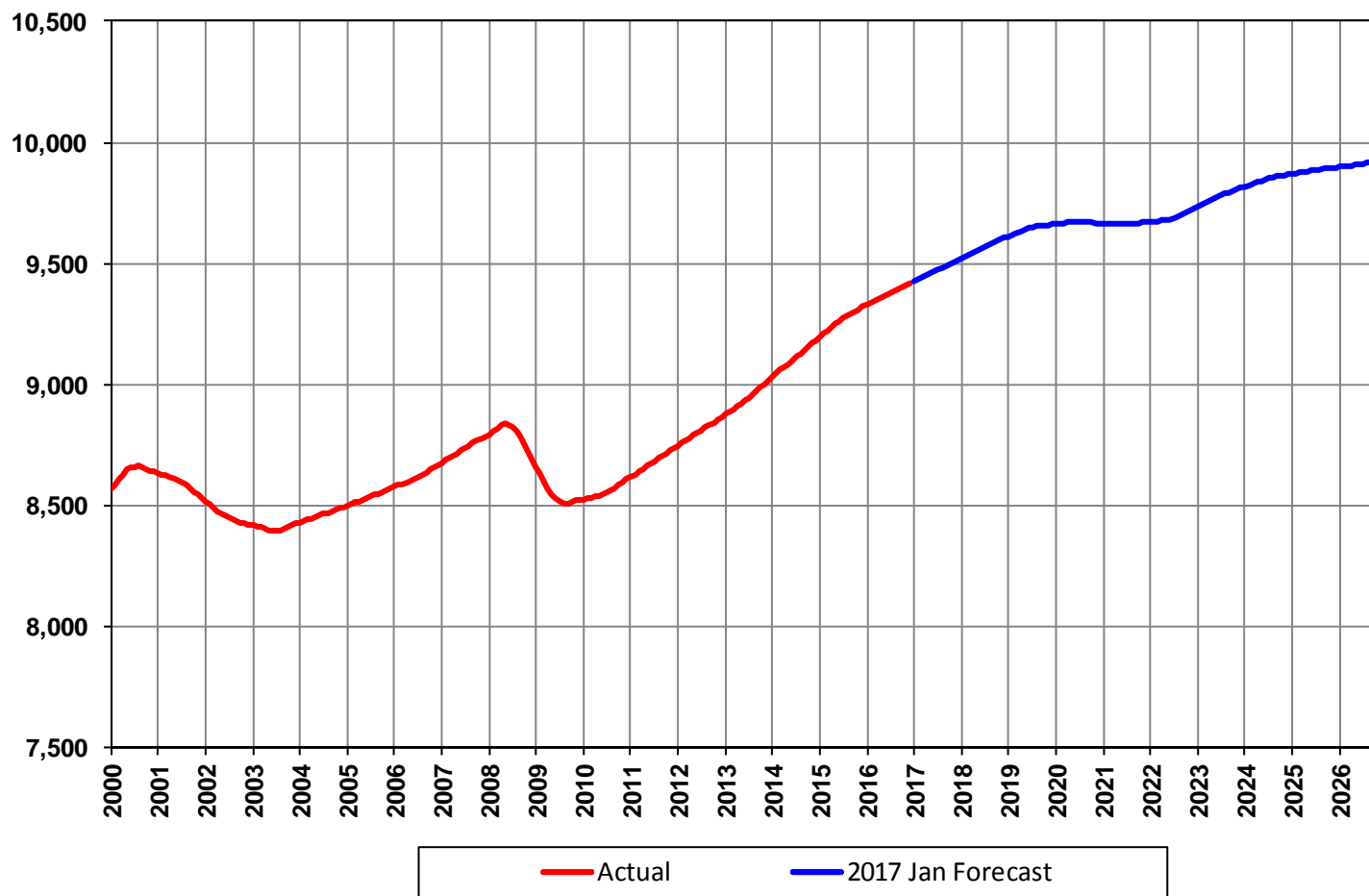
Millions of Dollars (\$2009)



Data from Moody's Analytics, January 2017

Statewide Employment (EMP) – Actual & Forecast

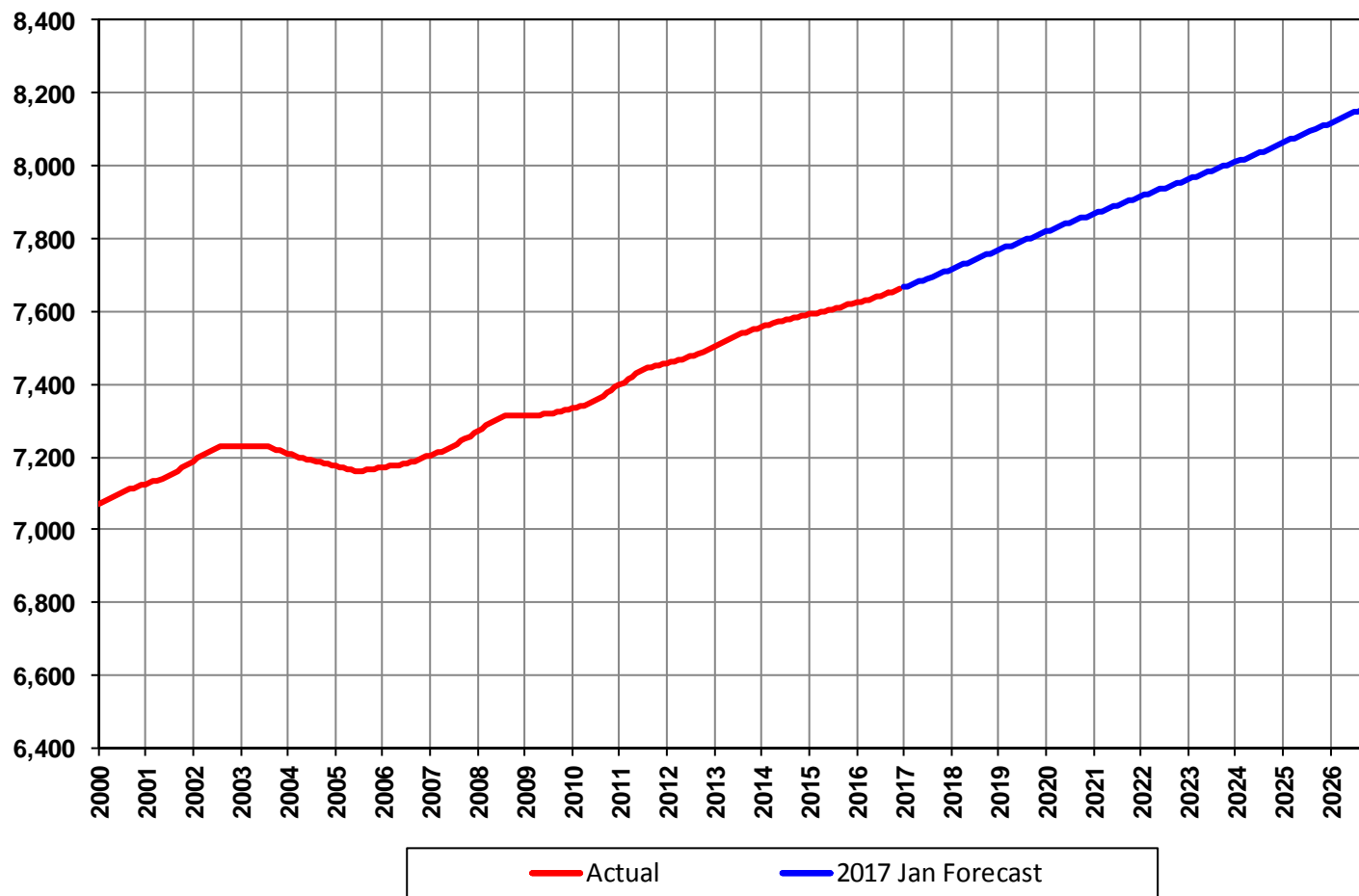
Thousands



Data from Moody's Analytics, January 2017

Statewide Households (HH) – Actual & Forecast

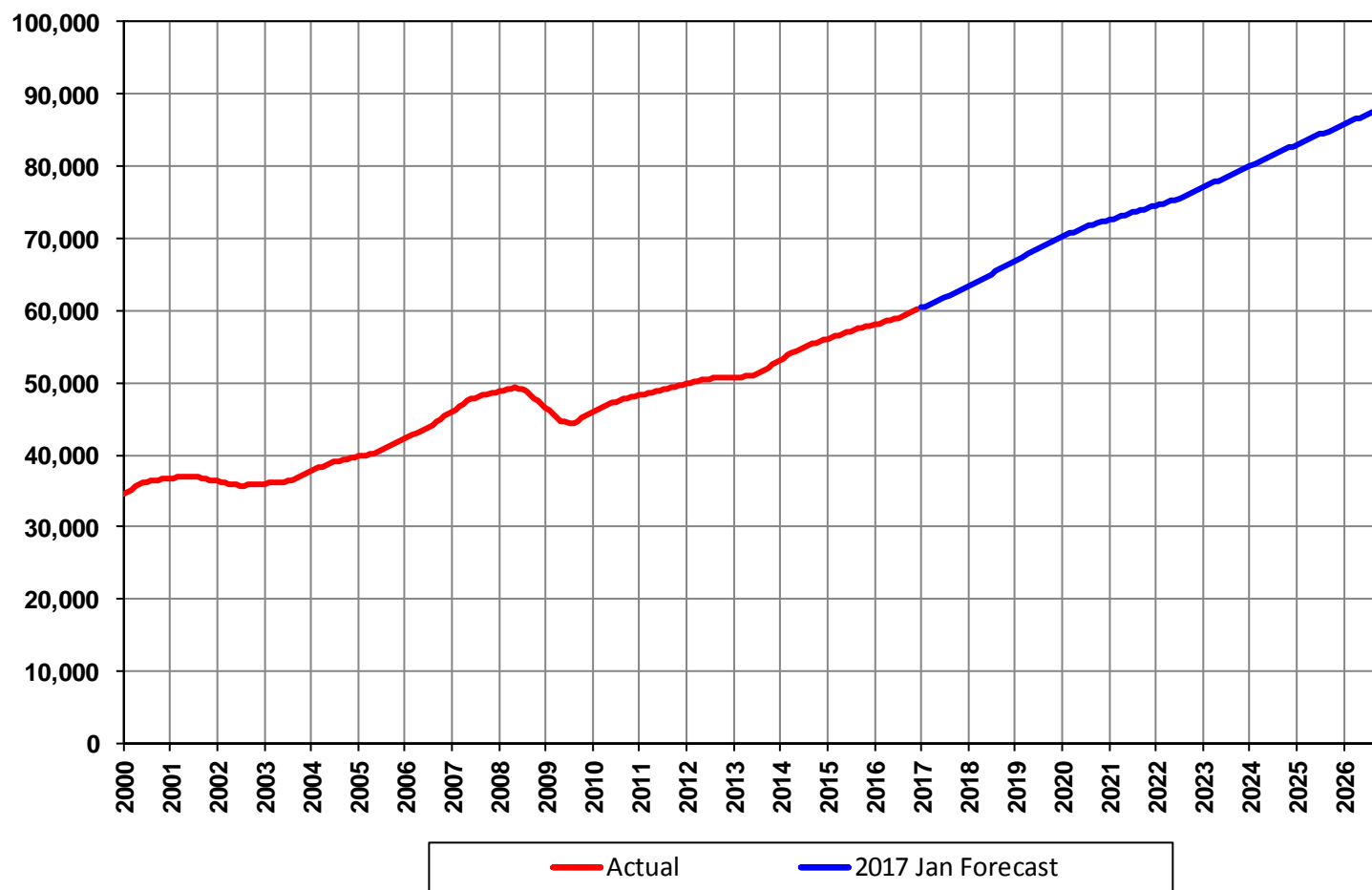
Thousands



Data from Moody's Analytics, January 2017

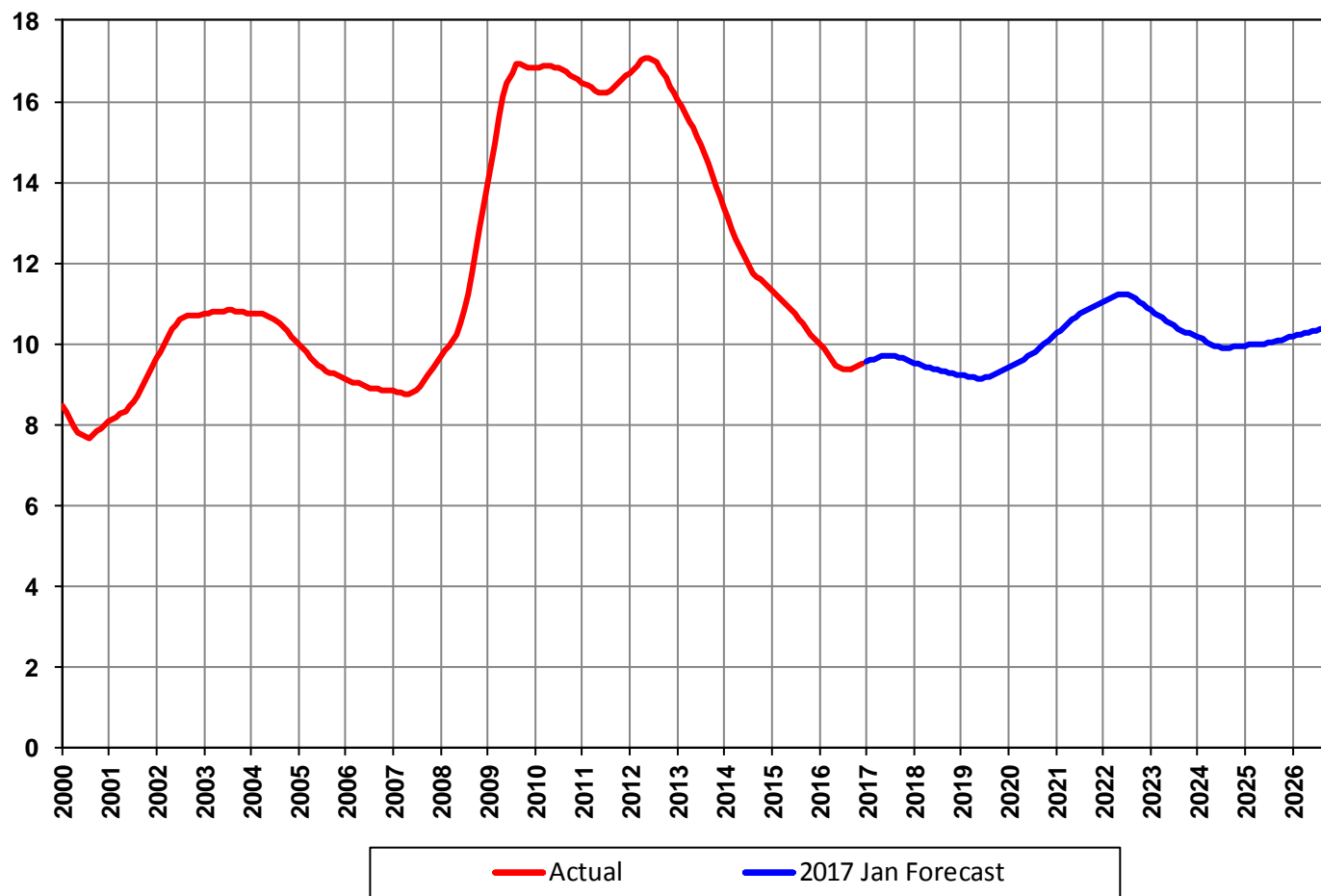
Statewide Real Wages & Salaries – Actual & Forecast

Millions of Dollars (\$2009)



Data from Moody's Analytics, January 2017

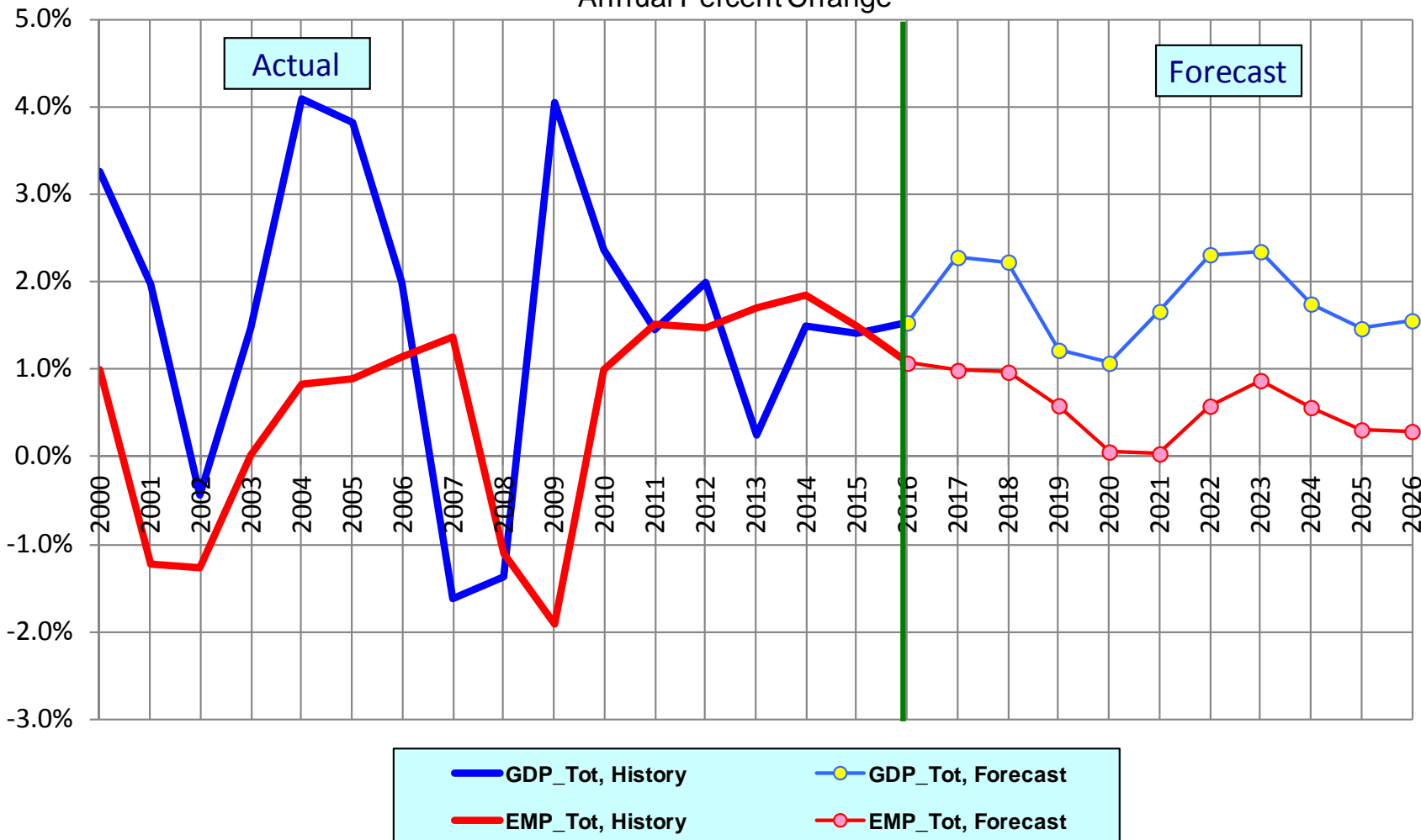
Statewide Unemployment Rate (%) – Actual & Forecast



Data from Moody's Analytics, January 2017

NYCA Jan 2017 Forecast: Total GDP and Total Employment

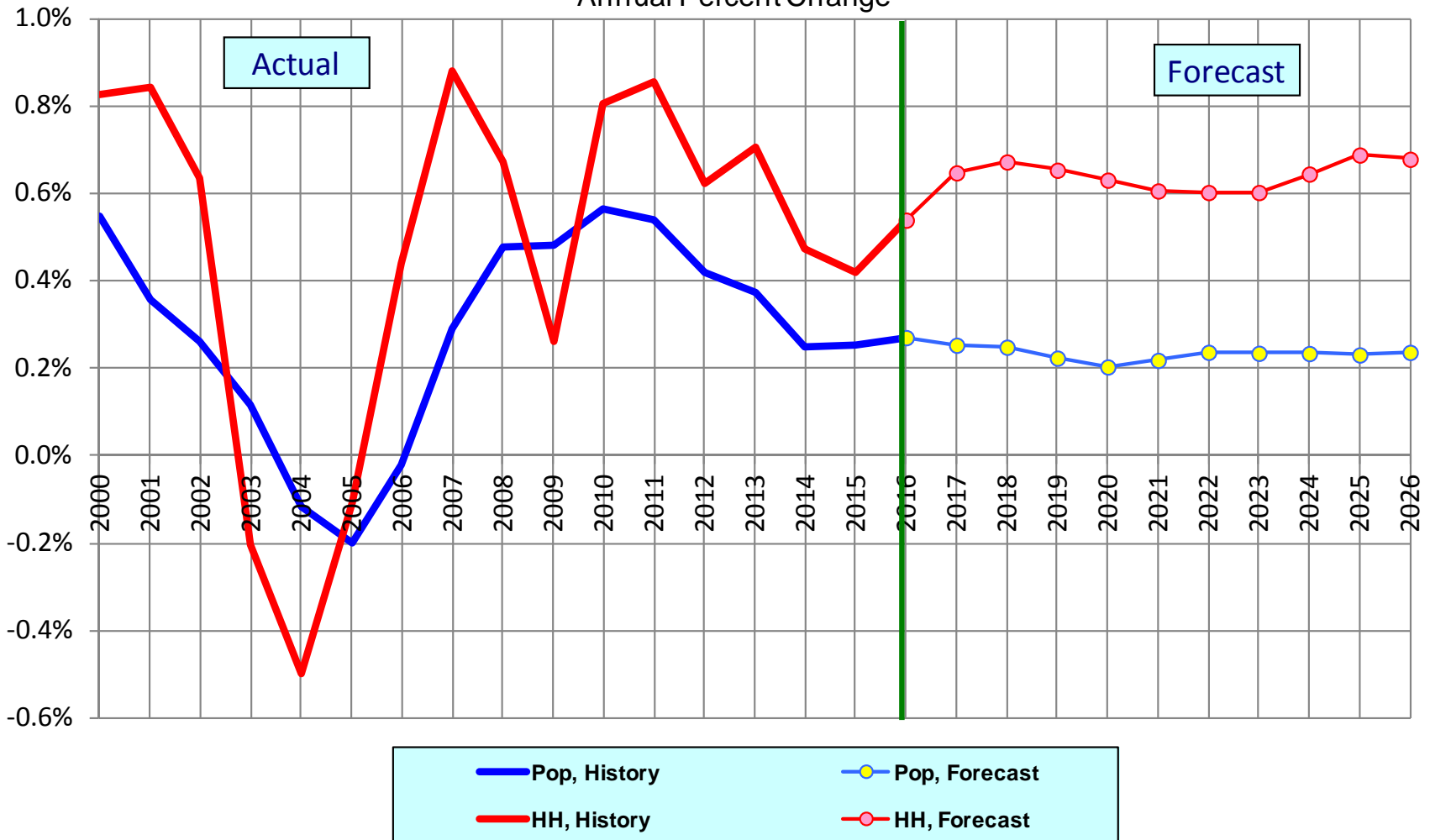
Annual Percent Change



Data from Moody's Analytics

NYCA Jan 2017 Forecast: Total GDP and Total Employment

Annual Percent Change

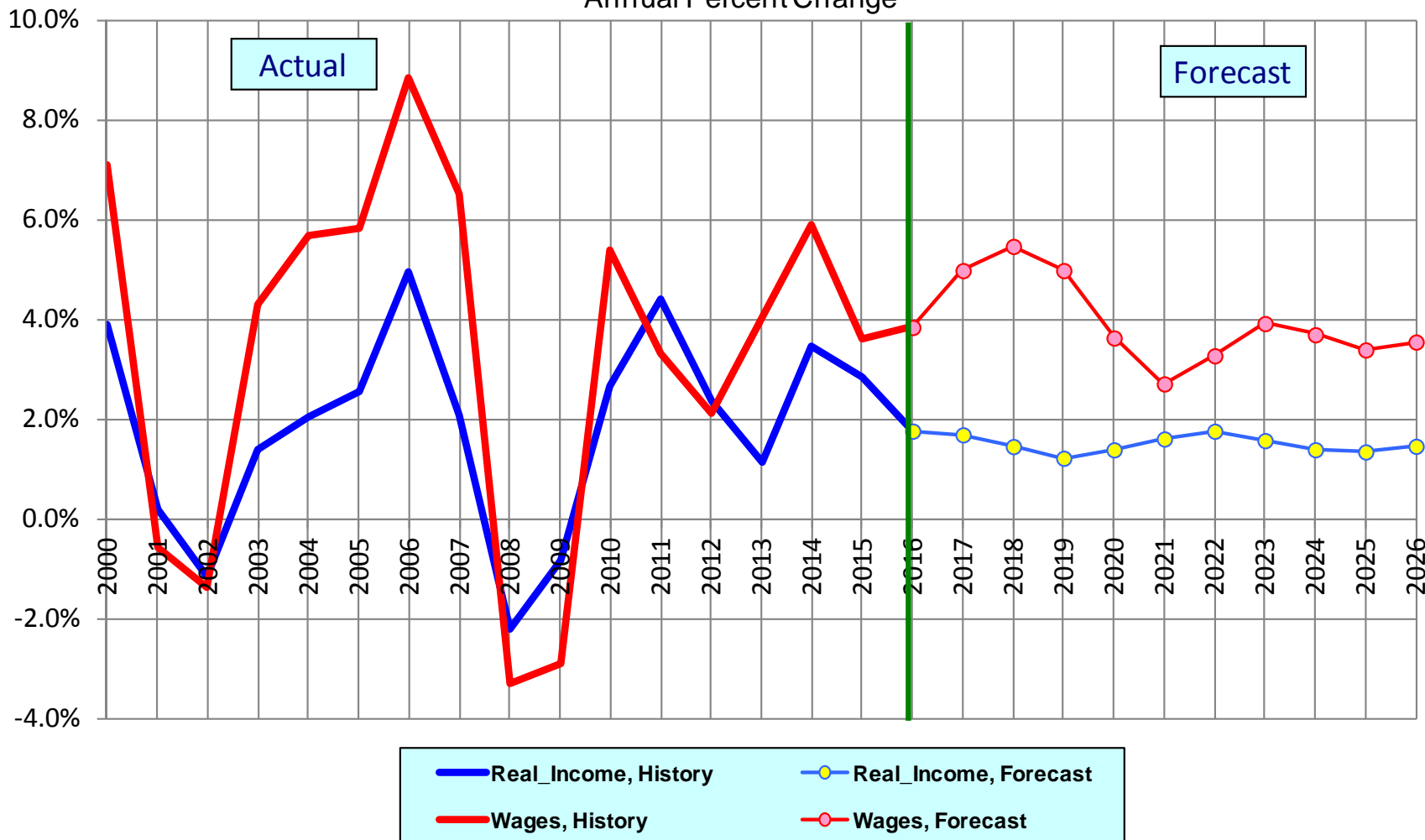


Data from Moody's Analytics

DRAFT – FOR DISCUSSION PURPOSES ONLY

NYCA Jan 2017 Forecast: Total GDP and Total Employment

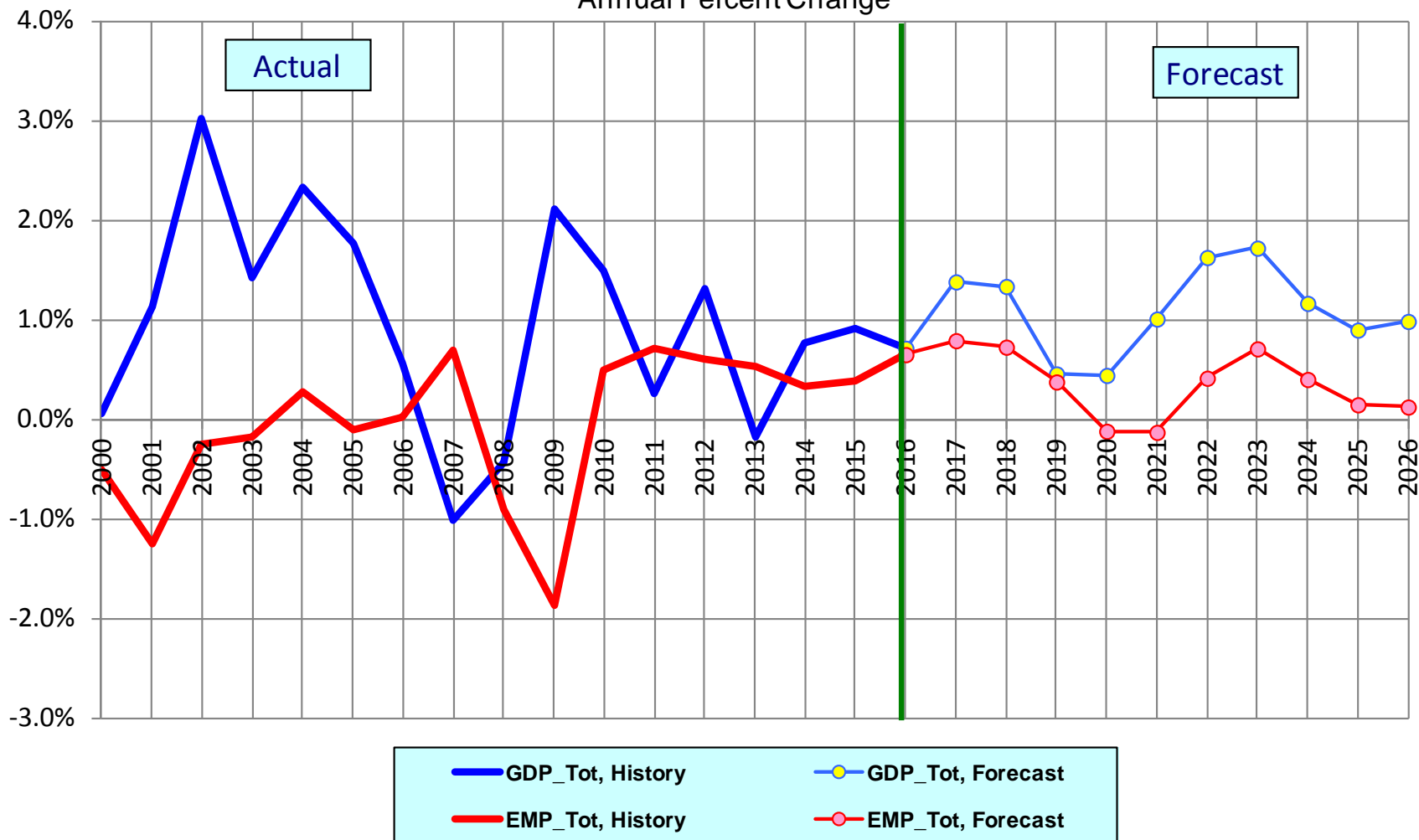
Annual Percent Change



Data from Moody's Analytics

Zone A Jan 2017 Forecast: Total GDP and Total Employment

Annual Percent Change

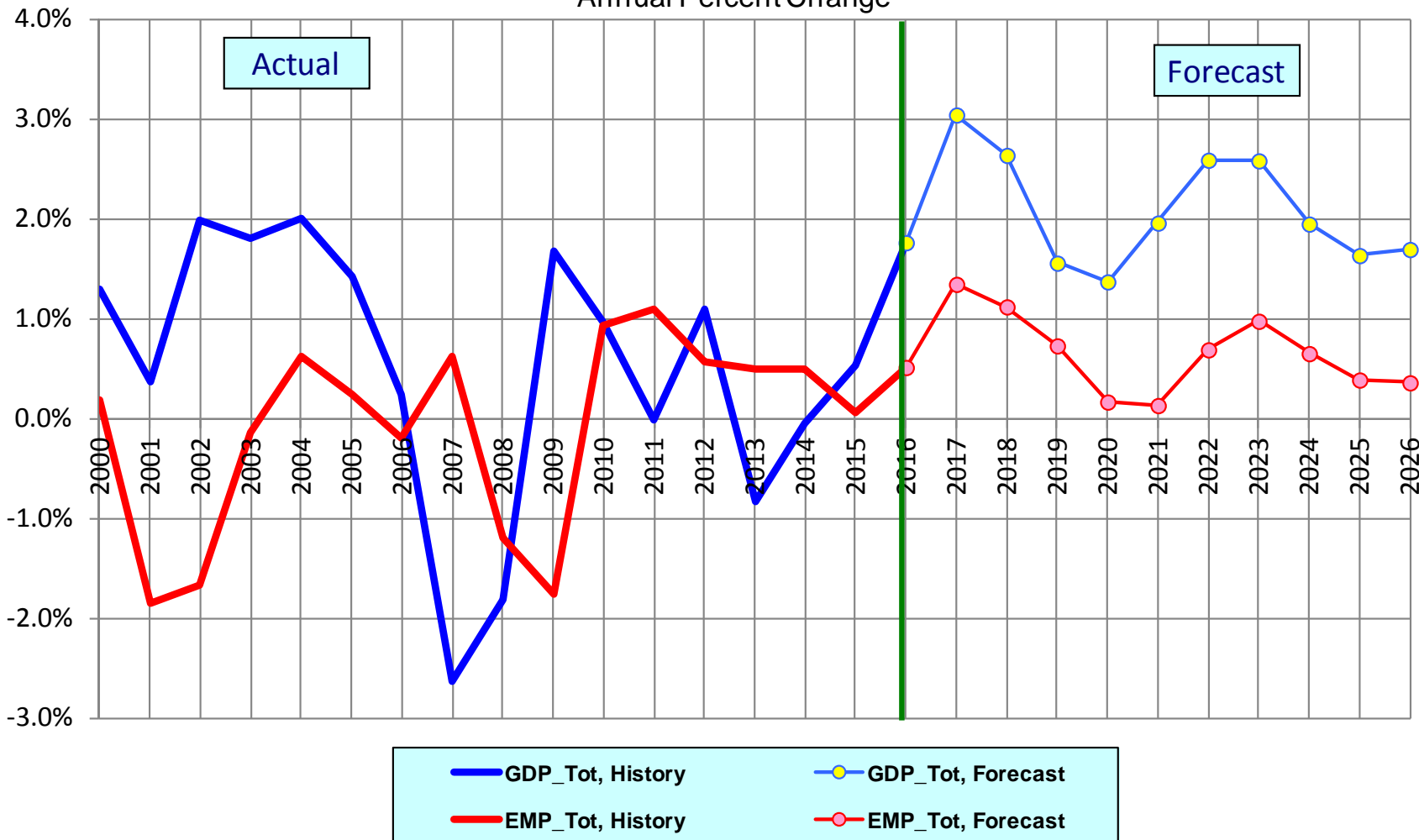


Data from Moody's Analytics

DRAFT – FOR DISCUSSION PURPOSES ONLY

Zone B Jan 2017 Forecast: Total GDP and Total Employment

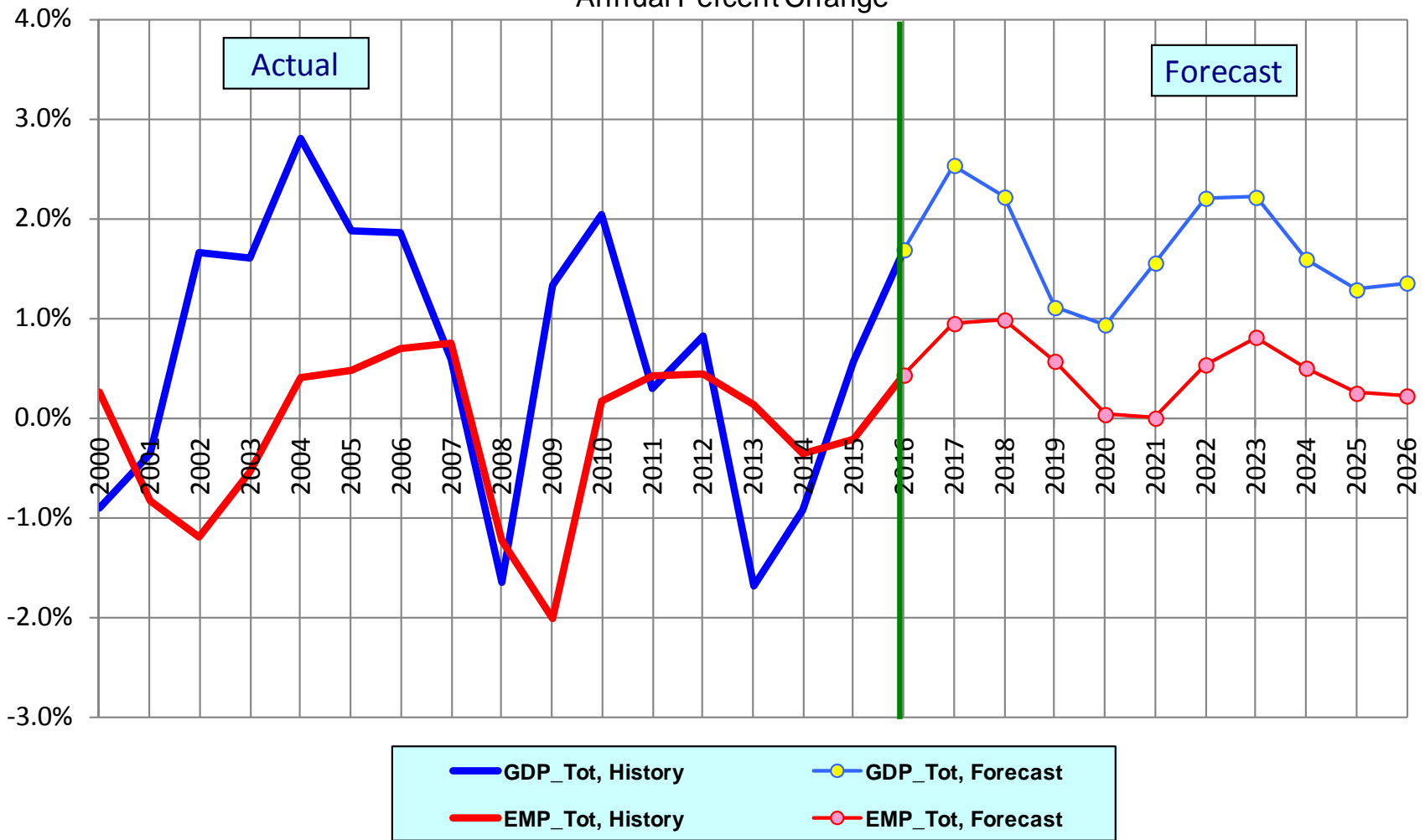
Annual Percent Change



Data from Moody's Analytics

Zone C Jan 2017 Forecast: Total GDP and Total Employment

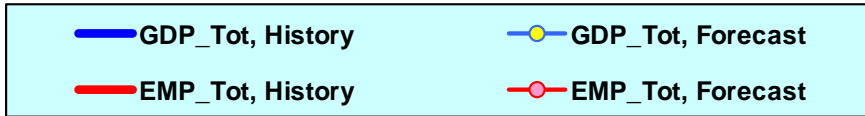
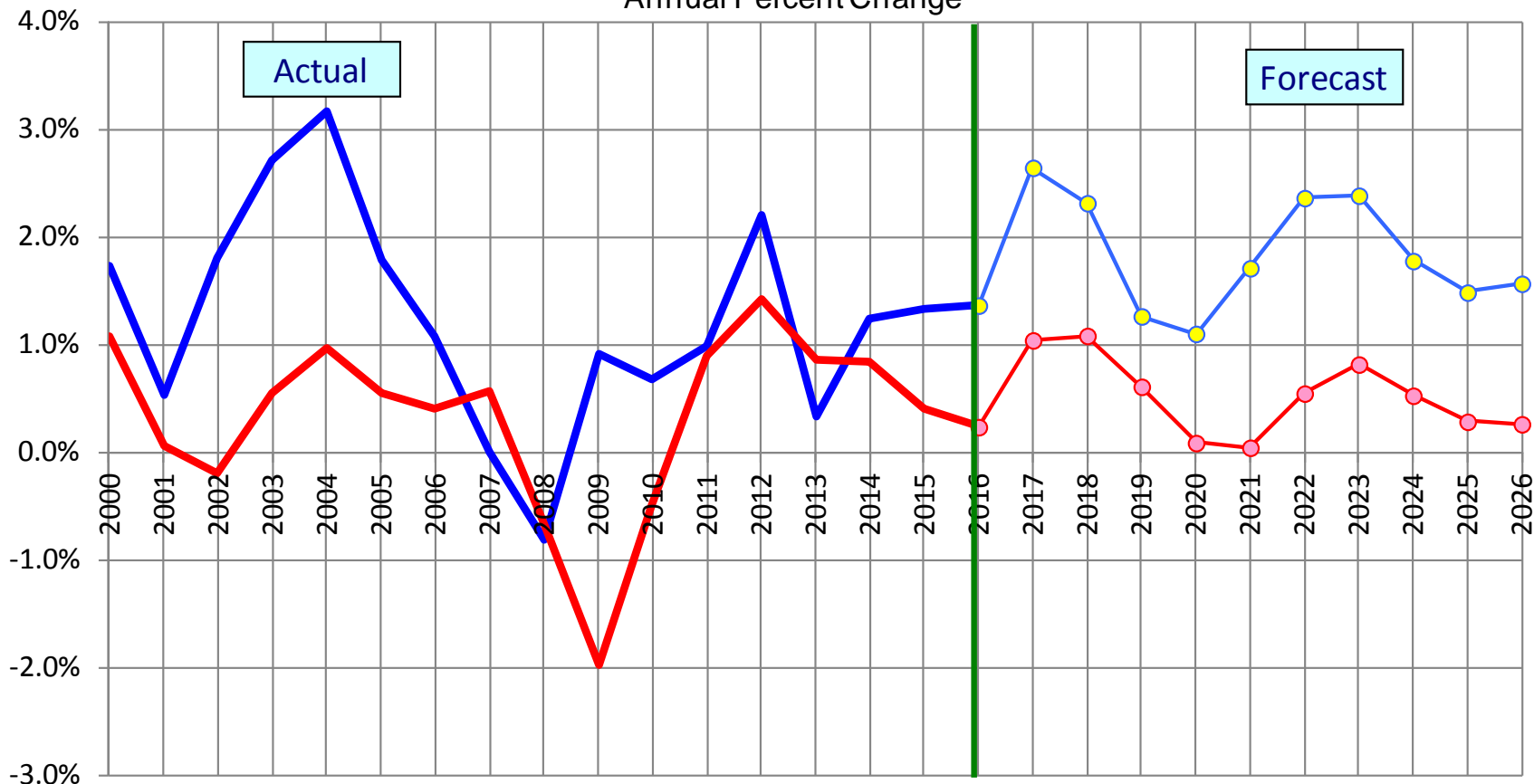
Annual Percent Change



Data from Moody's Analytics

Zone F Jan 2017 Forecast: Total GDP and Total Employment

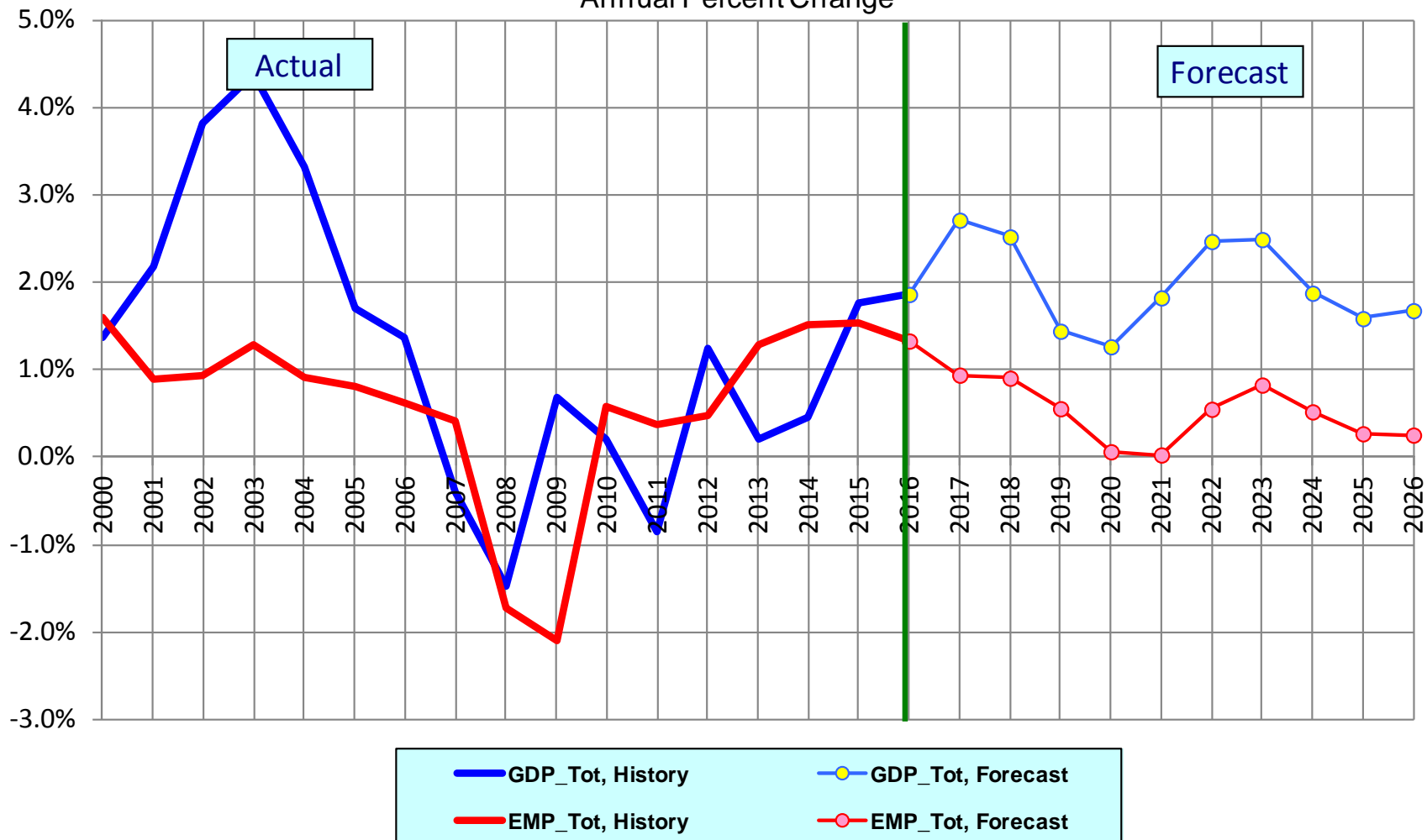
Annual Percent Change



Data from Moody's Analytics

Zone G Jan 2017 Forecast: Total GDP and Total Employment

Annual Percent Change

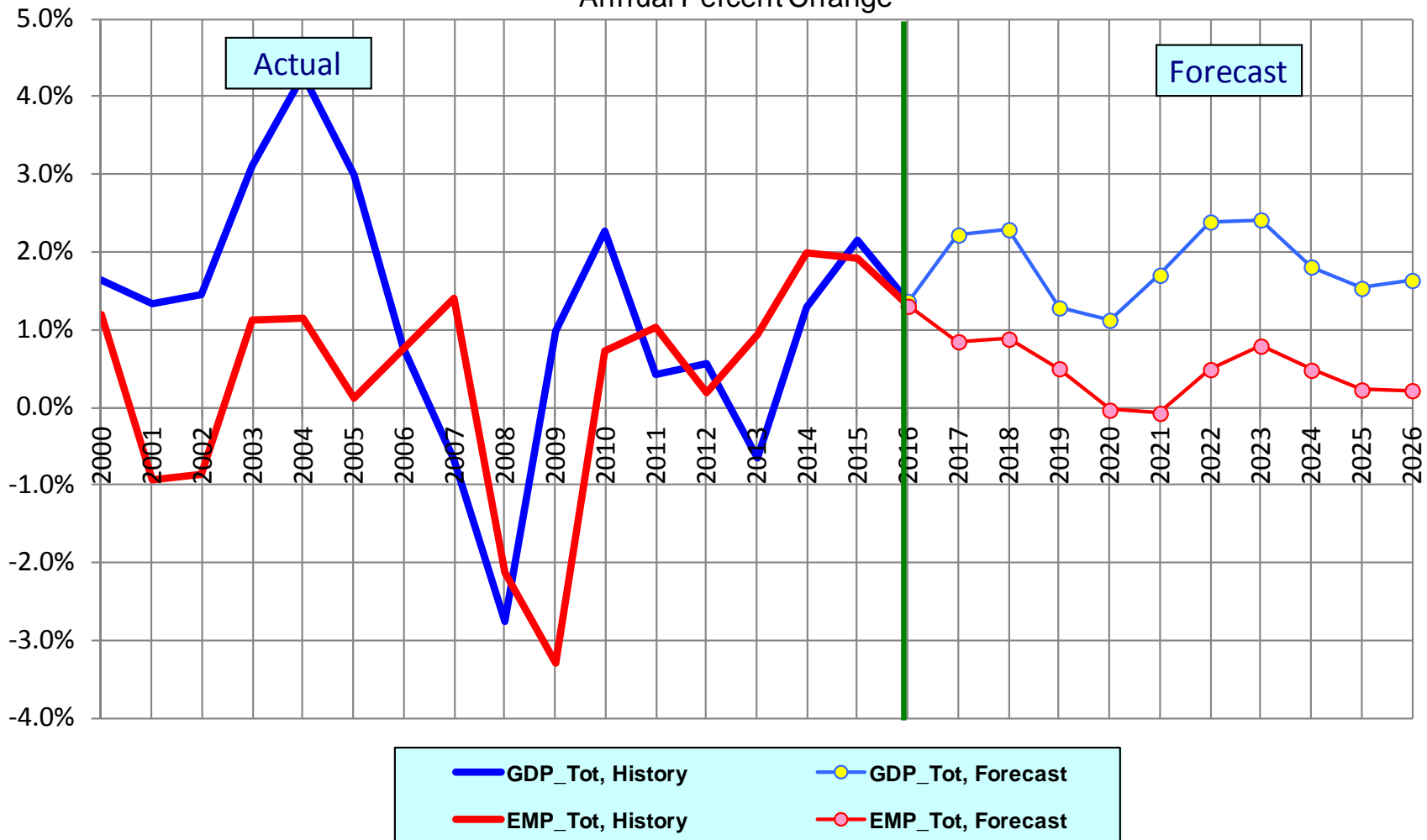


Data from Moody's Analytics

Zone H & I

Jan 2017 Forecast: Total GDP and Total Employment

Annual Percent Change

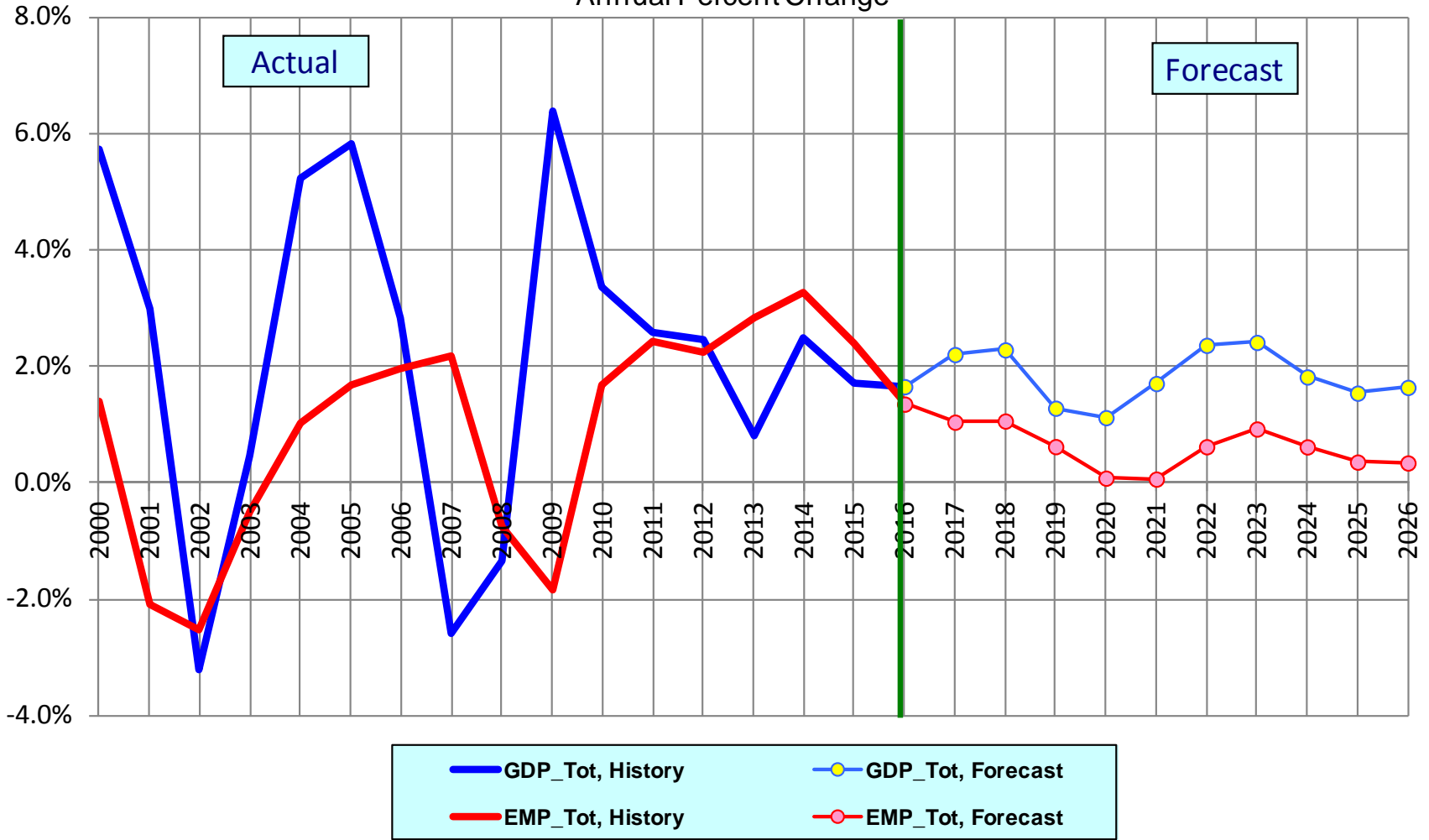


Data from Moody's Analytics

Jan 2017 Forecast: Total GDP and Total Employment

Zone J

Annual Percent Change

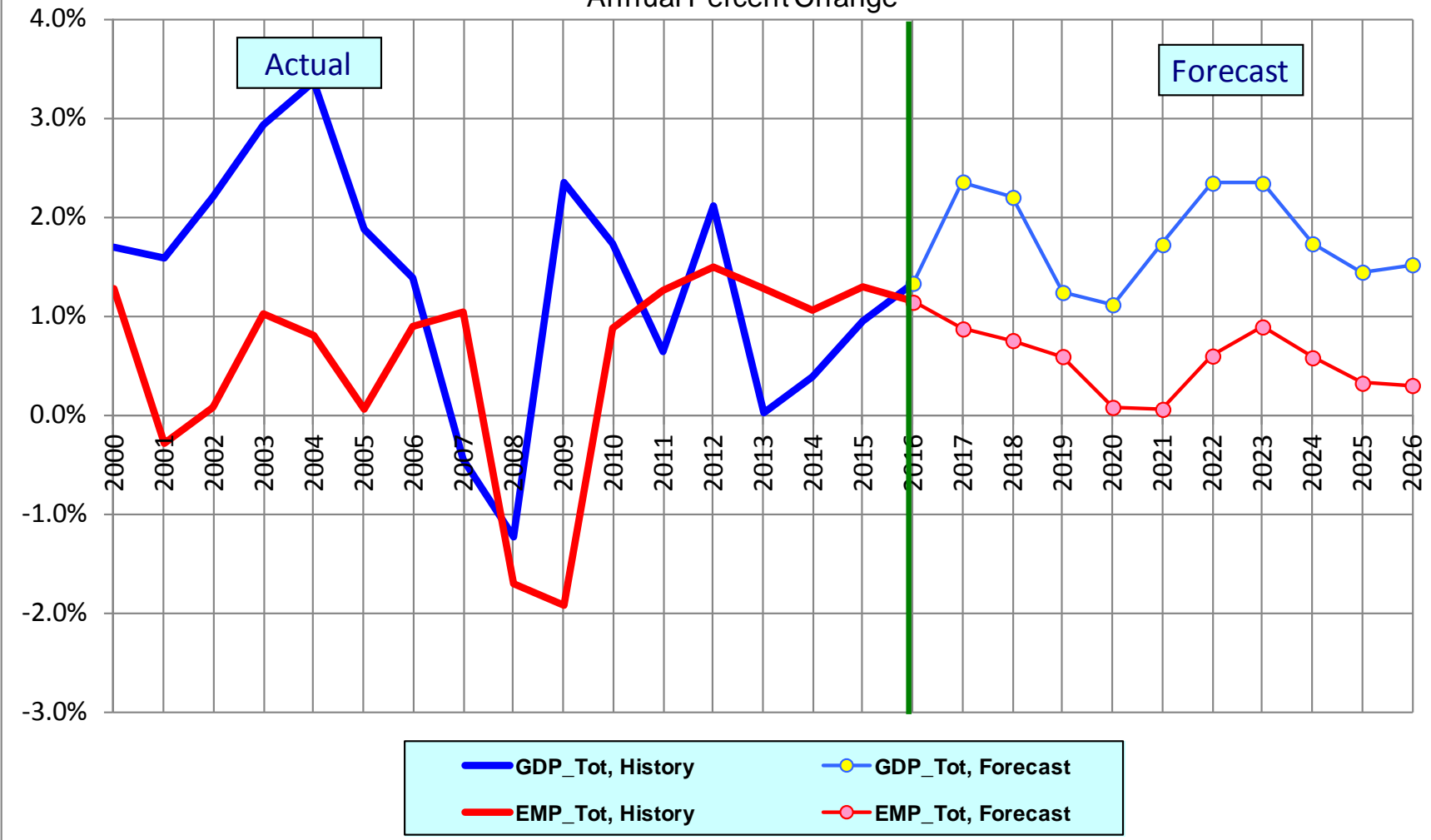


Data from Moody's Analytics

DRAFT – FOR DISCUSSION PURPOSES ONLY

Zone K Jan 2017 Forecast: Total GDP and Total Employment

Annual Percent Change



Data from Moody's Analytics

The mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefit to consumers by:

- *Maintaining and enhancing regional reliability*
- *Operating open, fair and competitive wholesale electricity markets*
- *Planning the power system for the future*
- *Providing factual information to policy makers, stakeholders and investors in the power system*

www.nyiso.com