

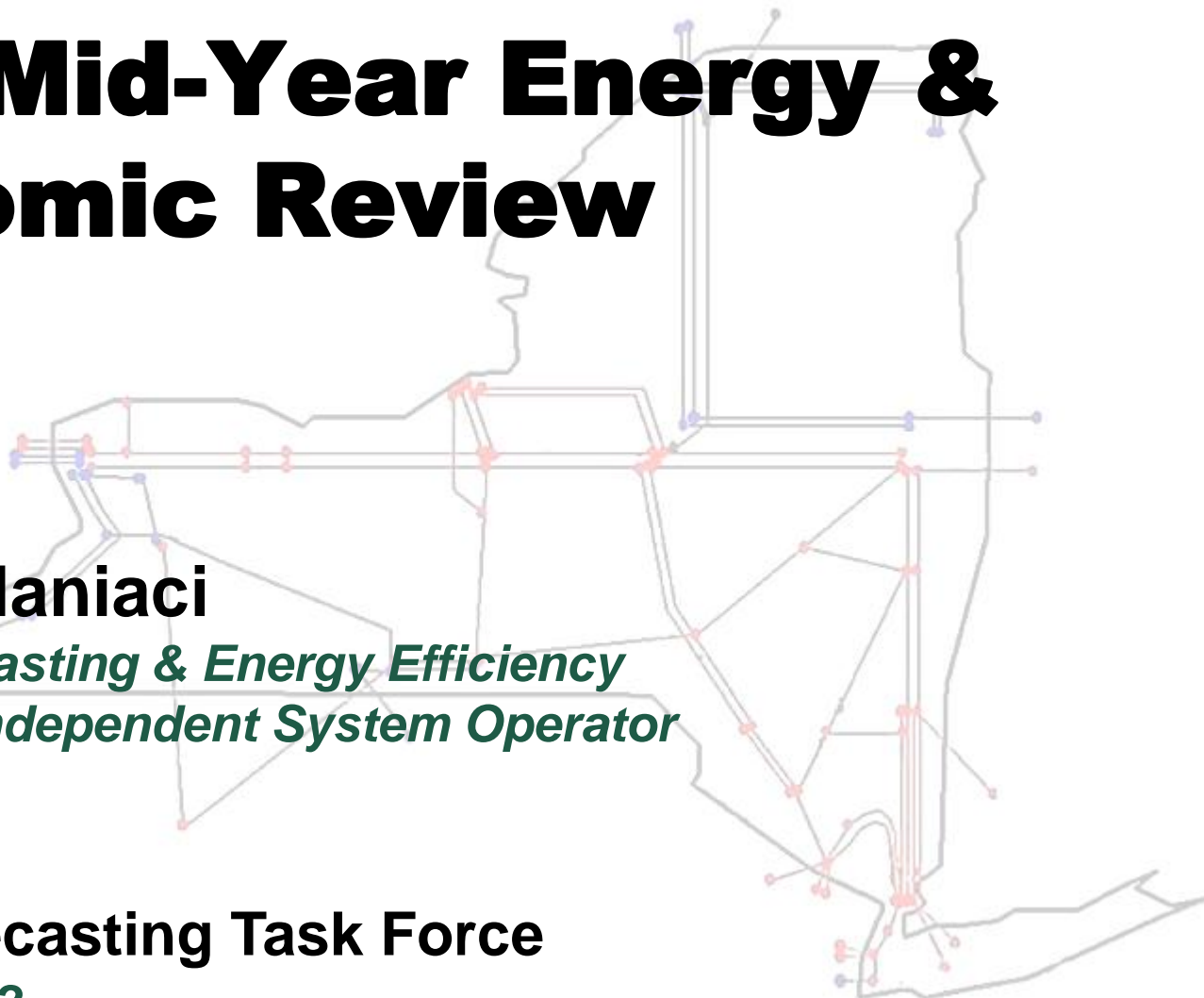
2012 Mid-Year Energy & Economic Review

Arthur Maniaci

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

Load Forecasting Task Force

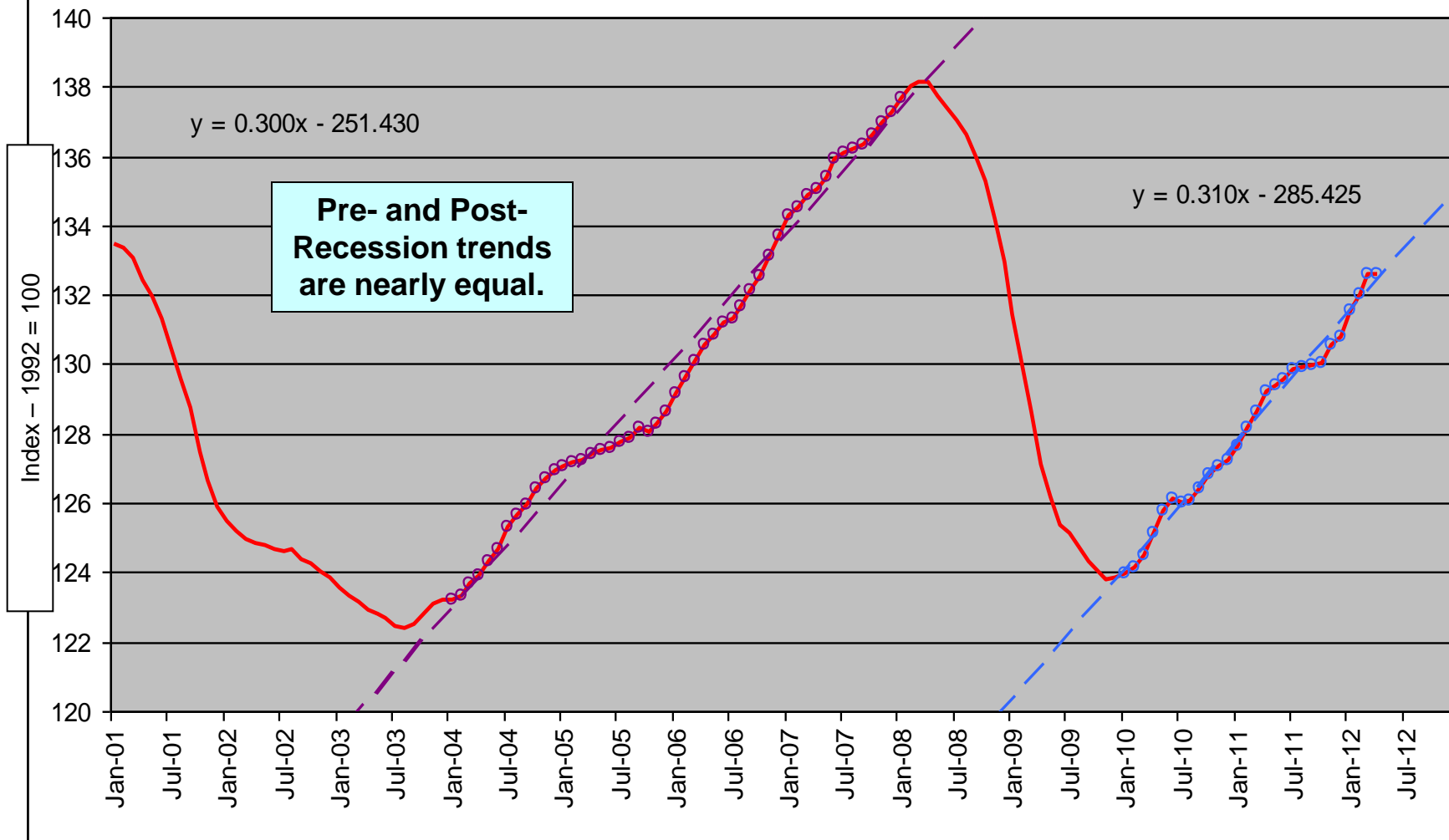
July 17, 2012



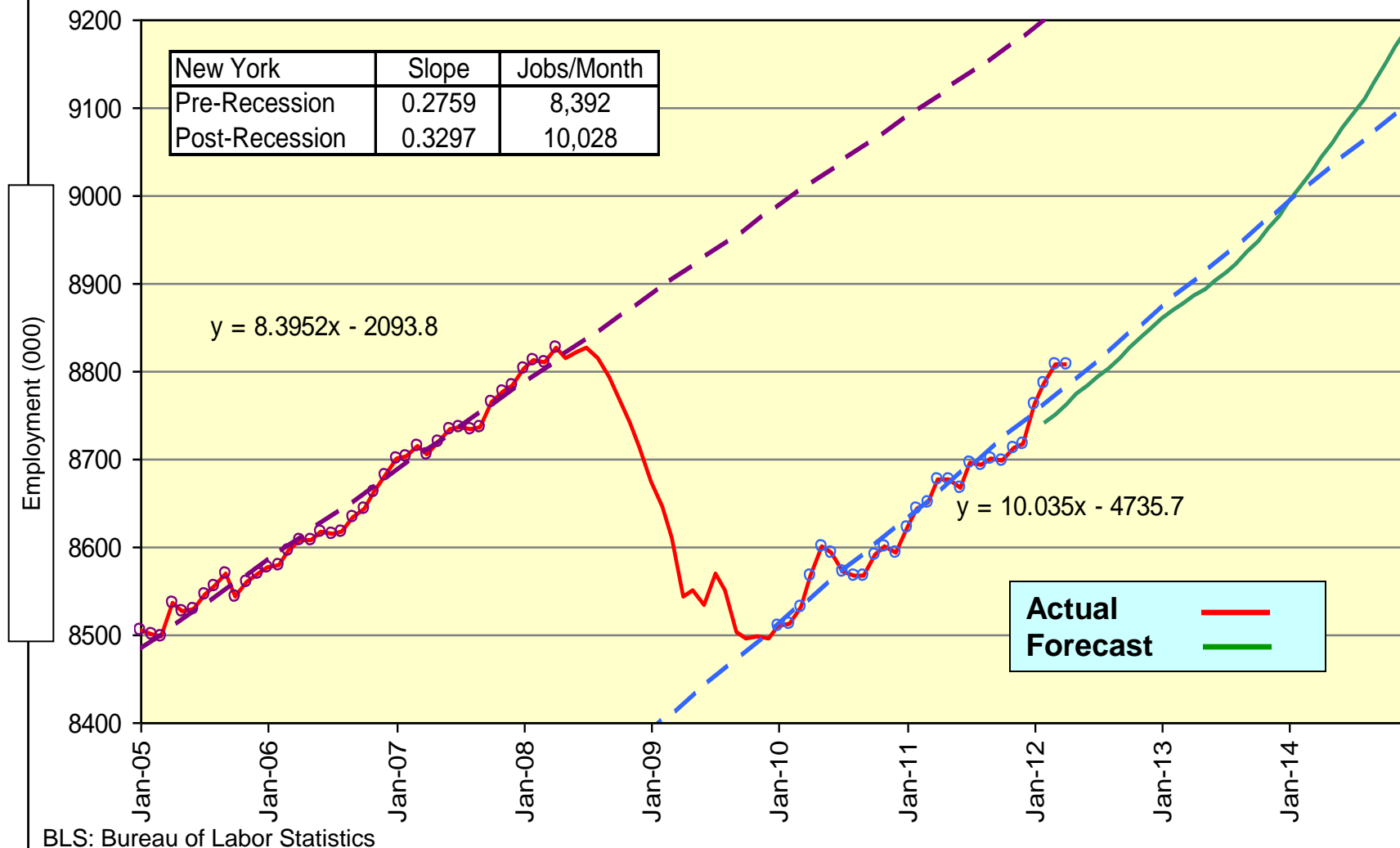
Overview

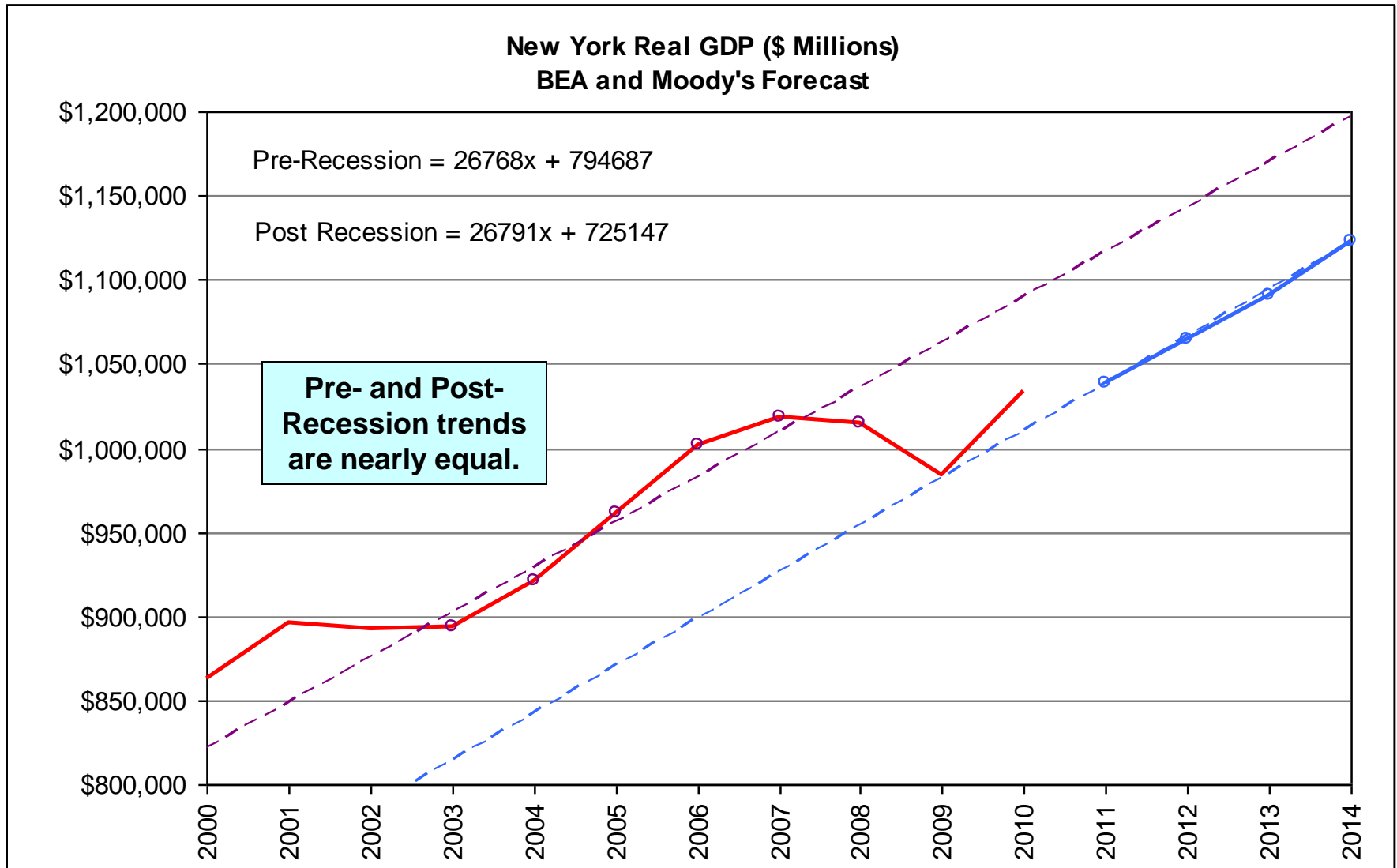
- ◆ Review & informal discussion of recent historic & forecast economic time series.
- ◆ Data Sources:
 - *Bureau of Labor Statistics*
 - *Bureau of Economic Analysis*
 - *Moody's Analytics, April 2012 projections*
 - *NYISO Energy Weather Normalization Results*
- ◆ Results are not part of any NYISO forecast.

New York Federal Reserve Board - New York Current Economic Indicator



New York Seasonally Adjusted Employment (000) - BLS & Moody's Forecast

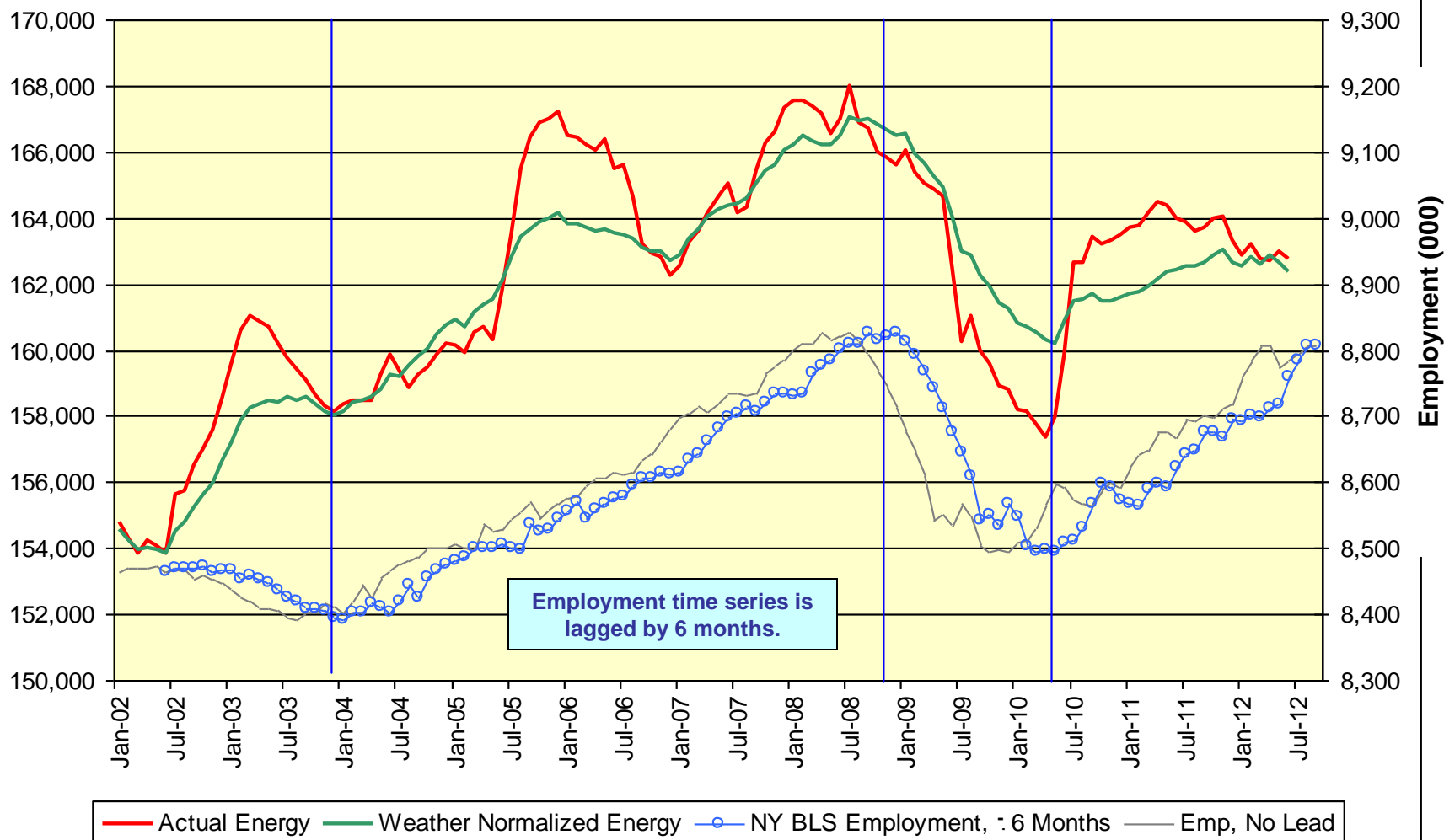




BEA: Bureau of Economic Analysis

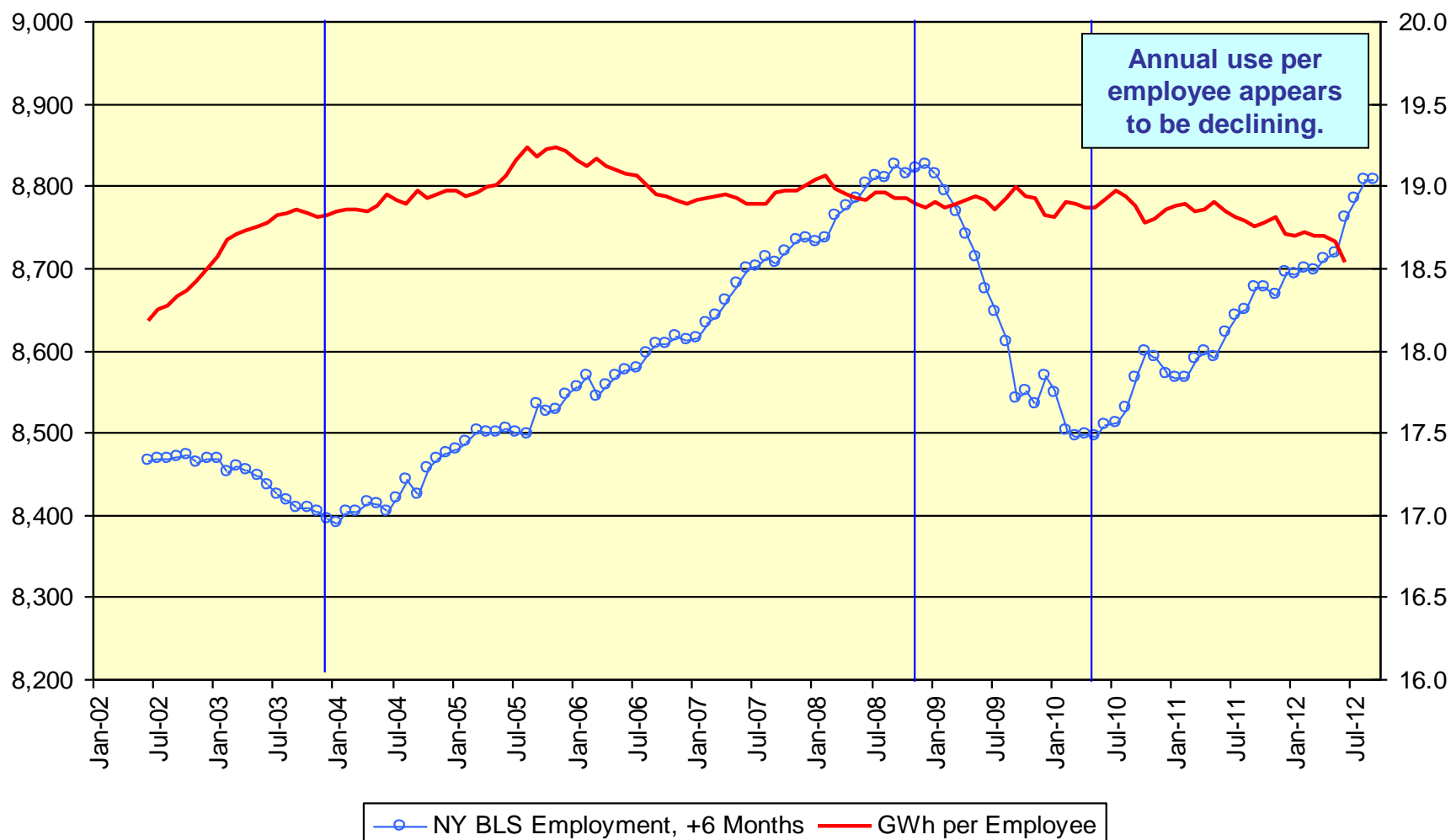
New York Electric Energy & Employment - 2002 to 2012

Energy: 12-Month Moving Sum (GWh) & Monthly State Employment (000)

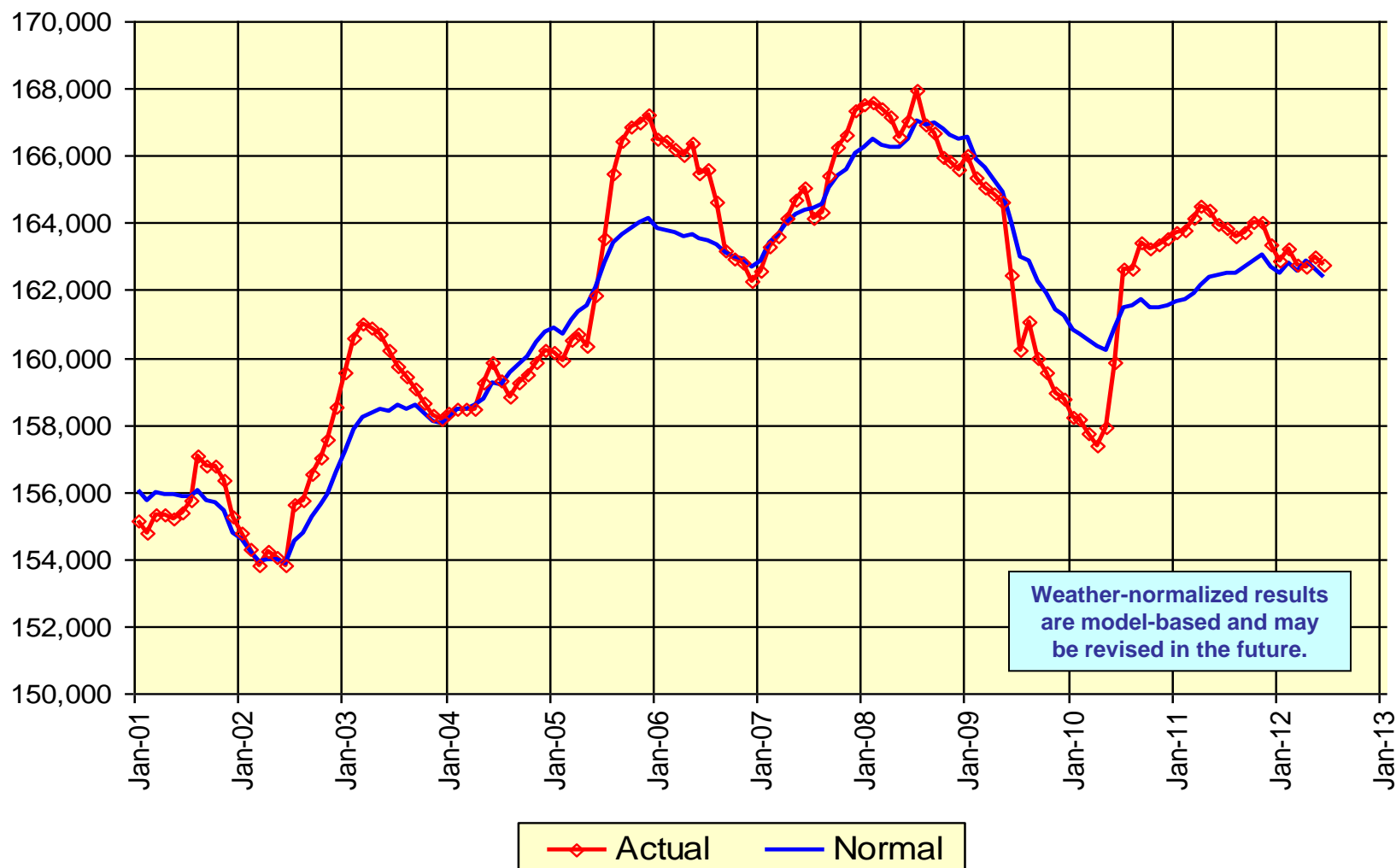


Monthly Employment & Electric Energy per Employee

Employment (000) and Annual GWh per Employee

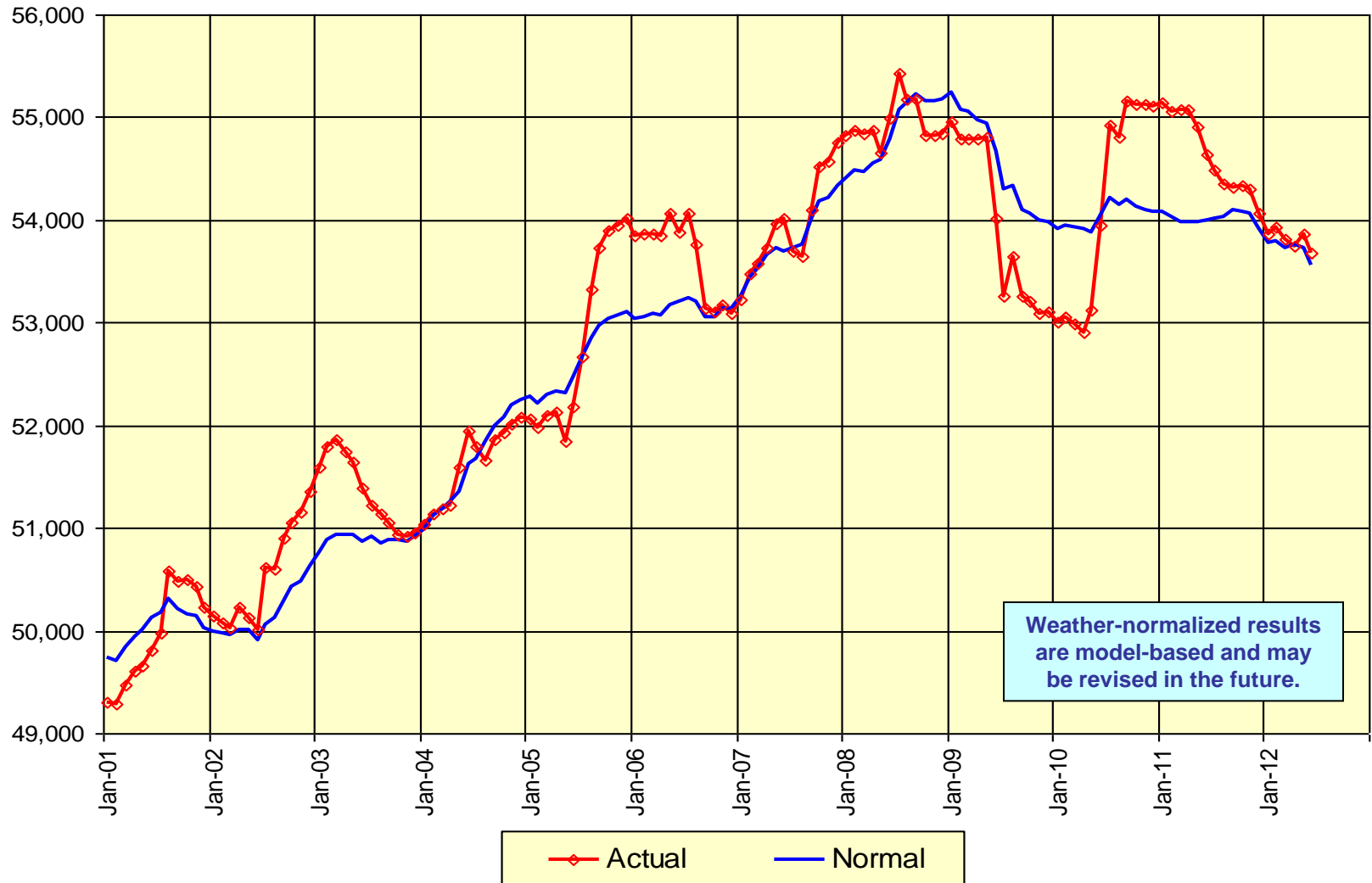


NYCA Weather Normalization - 2001 to Present 12 Month Moving Sum - GWh

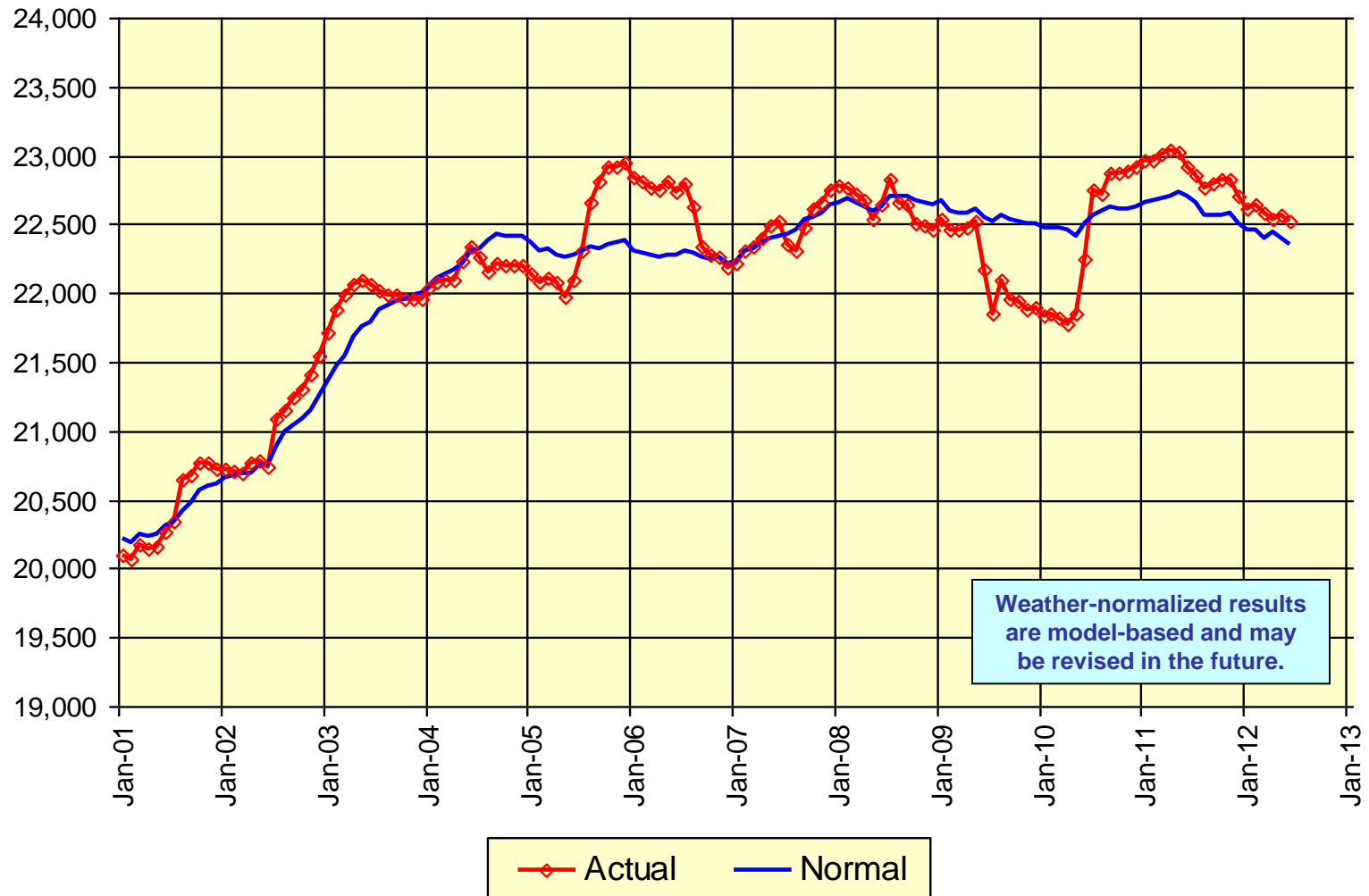


Zone J Weather Normalization - 2001 to Present

12 Month Moving Sum - GWh



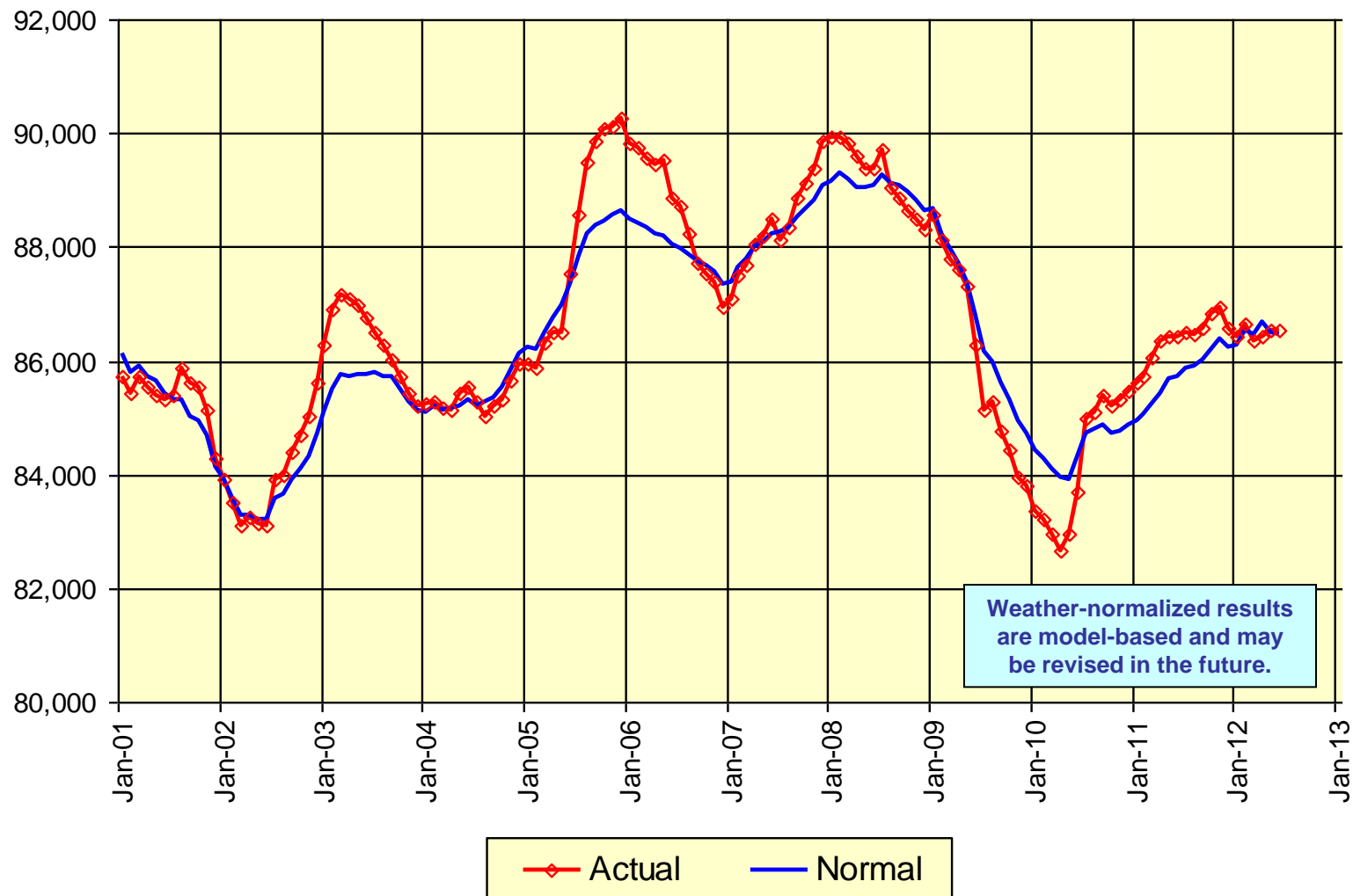
Zone K Weather Normalization - 2001 to Present 12 Month Moving Sum - GWh



Weather-normalized results are model-based and may be revised in the future.

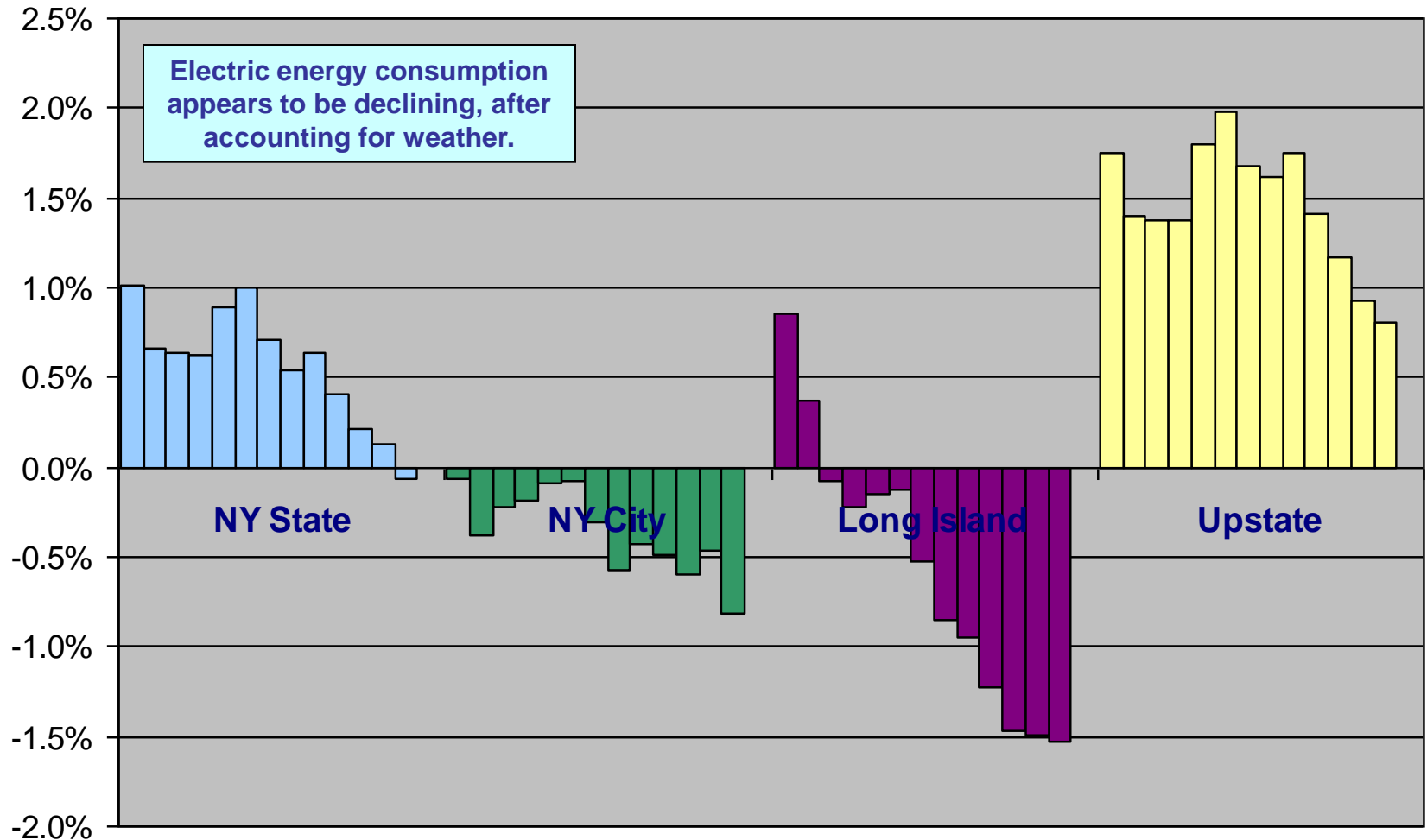
Upstate Weather Normalization - 2001 to Present

12 Month Moving Sum - GWh

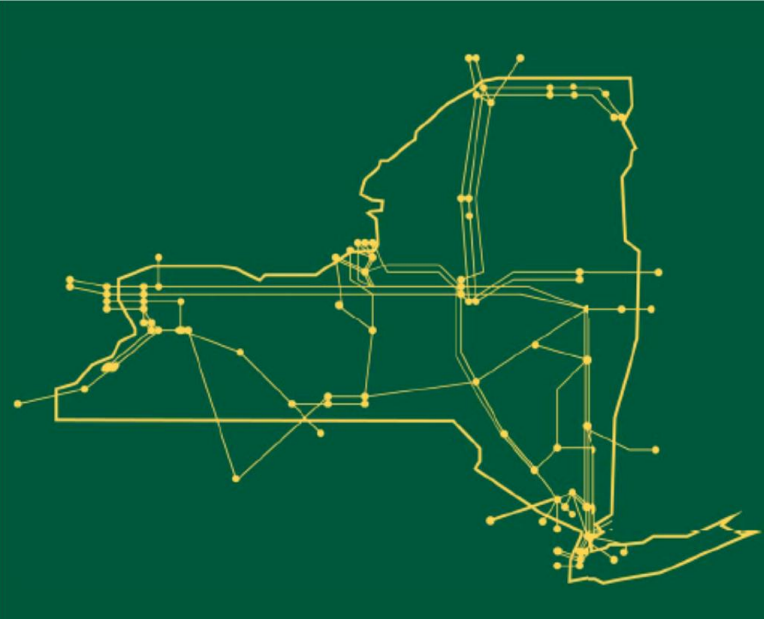


NYCA Sendout - 12-Month Moving Average Annual Growth Rate

Weather Normalized Growth, Jun-2011 to Jun-2012



The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



www.nyiso.com