

Monthly Energy Stats, Actual & Weather- Normalized

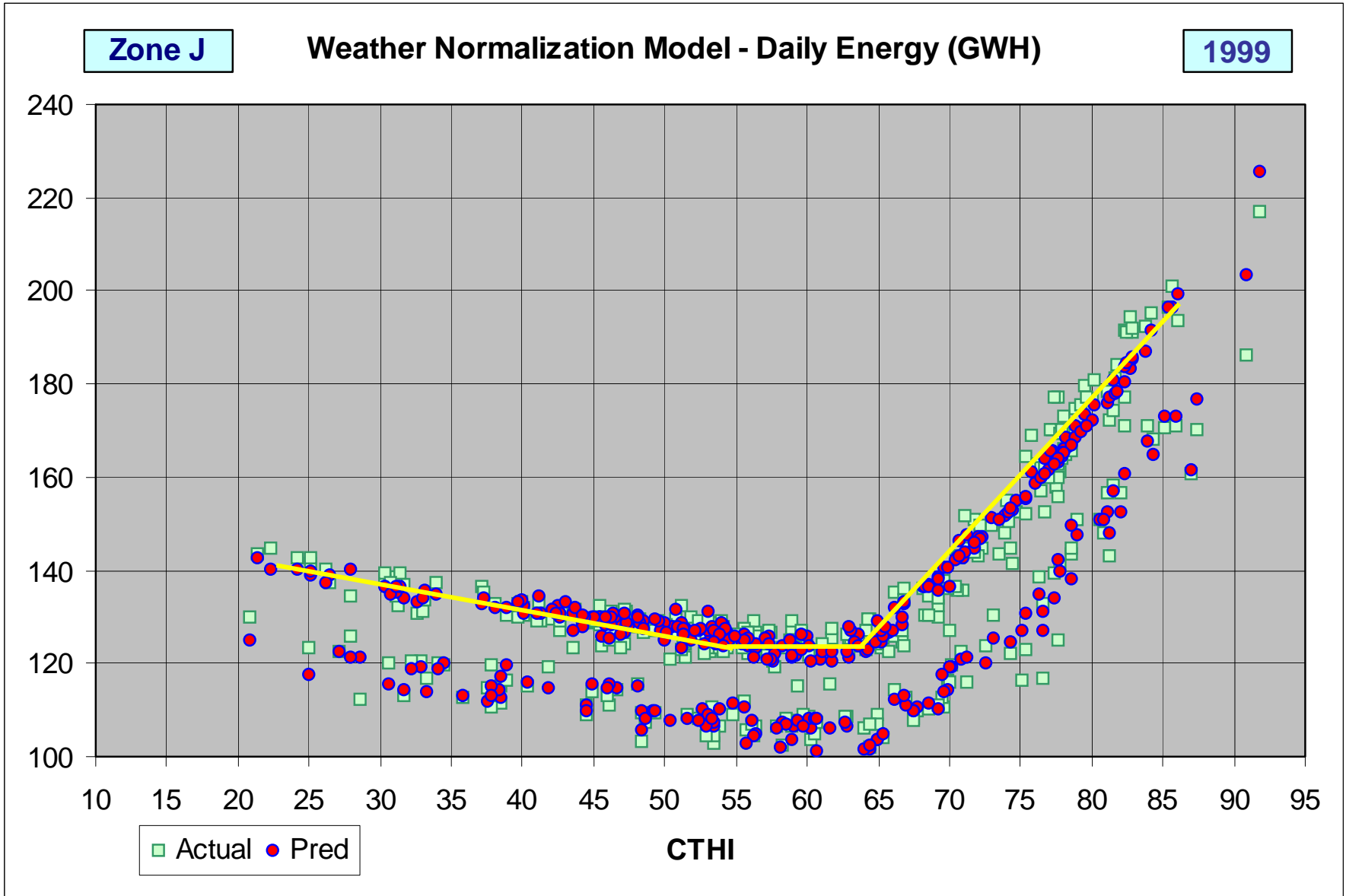
**Presented to
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Summary

- ◆ Actual & weather-normalized energy usage helps us examine trends, after allowing for above- or below-normal weather.
- ◆ Results are still of a provisional nature for discussion only, due to the difficulties in model estimation.
- ◆ Applications
 - *Allows us to separate cooling-season, heating season, and all-season usage trends which in turn can be applied to SAE¹ modeling technique.*
 - *Can be correlated with other economic indicators to project energy usage during the economic recovery*

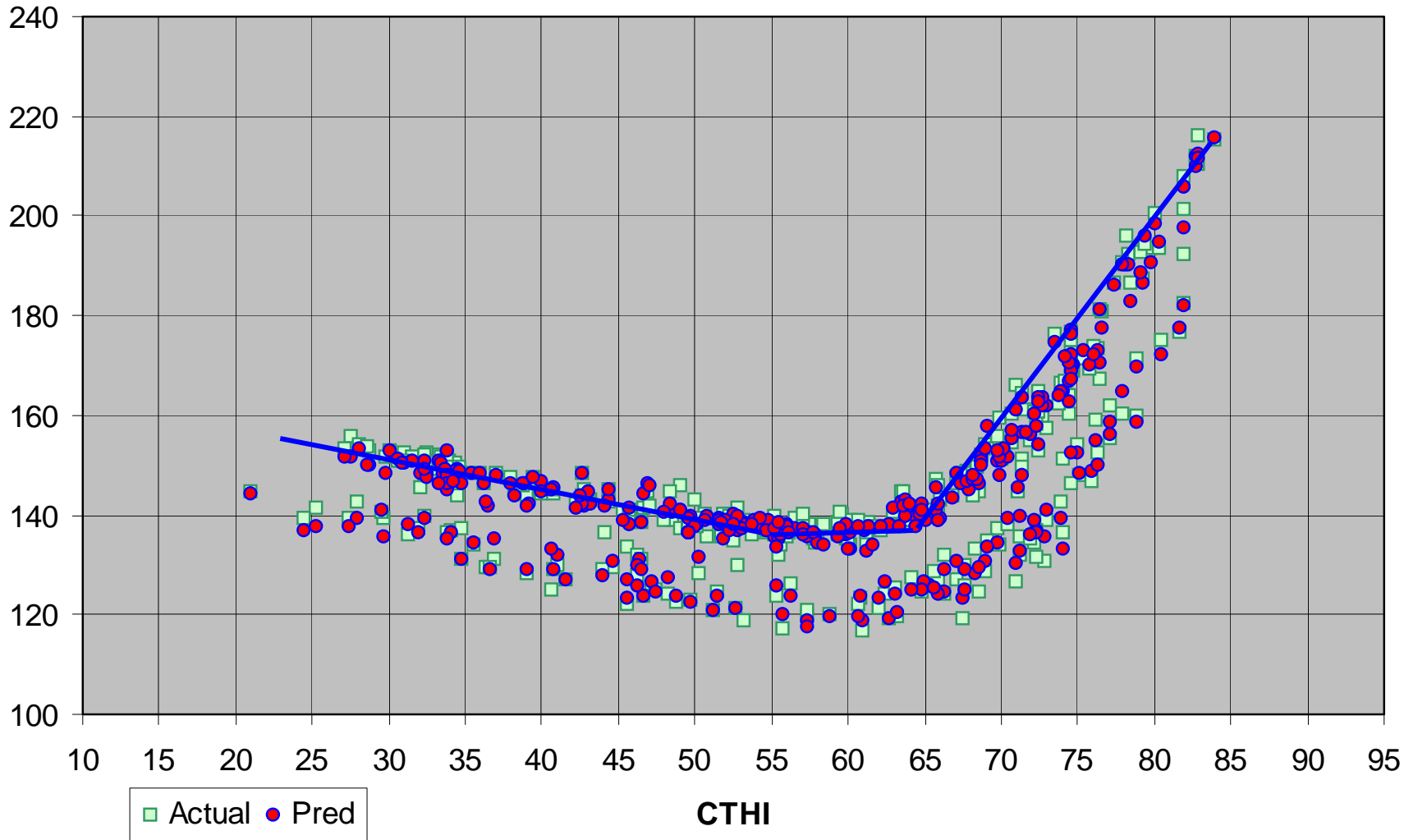
1 – SAE: Statistically adjusted end-use model, which incorporates energy efficiency and appliance saturation trends in energy and peak demand forecasts.



Zone J

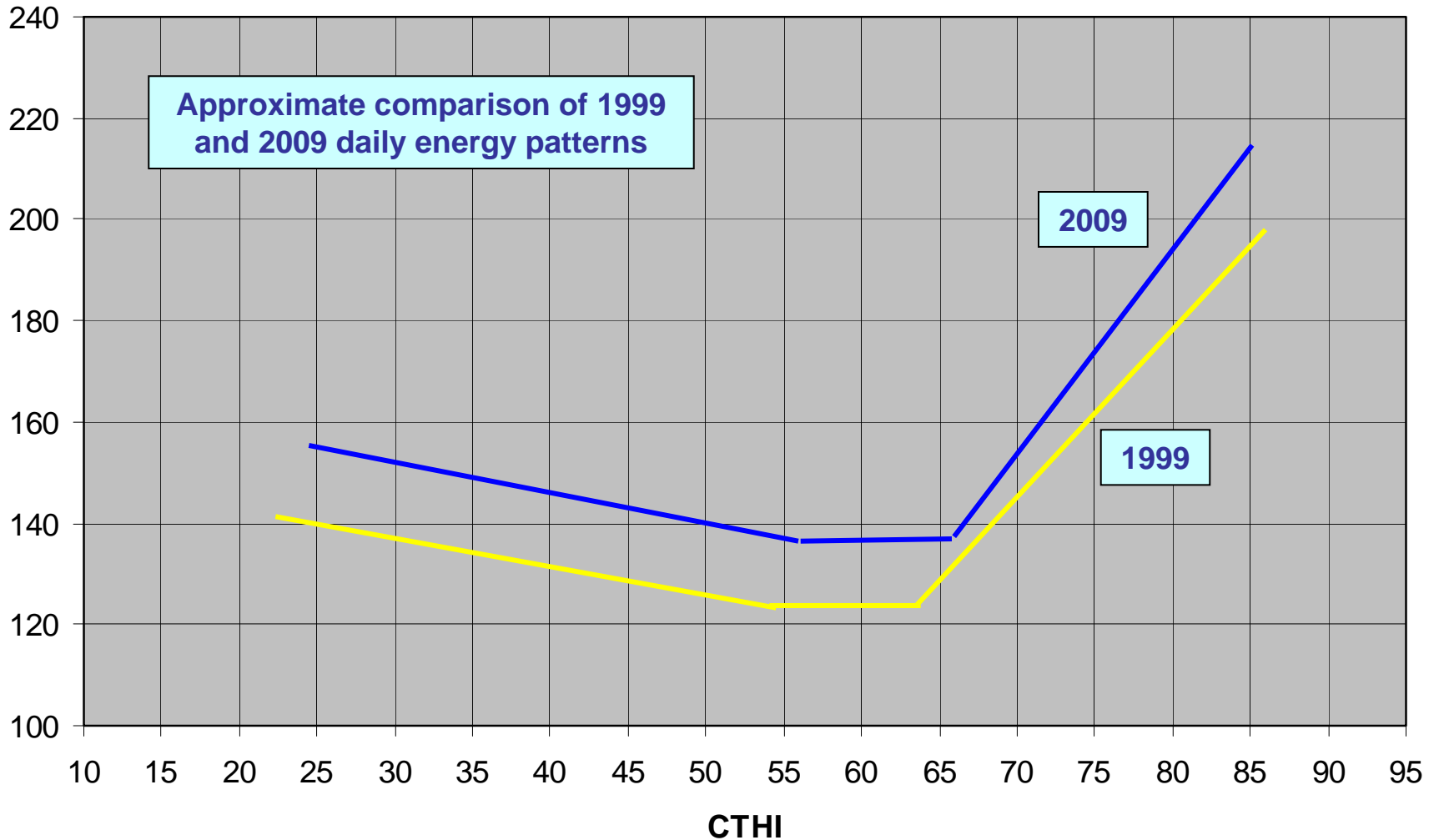
Weather Normalization Model - Daily Energy (GWH)

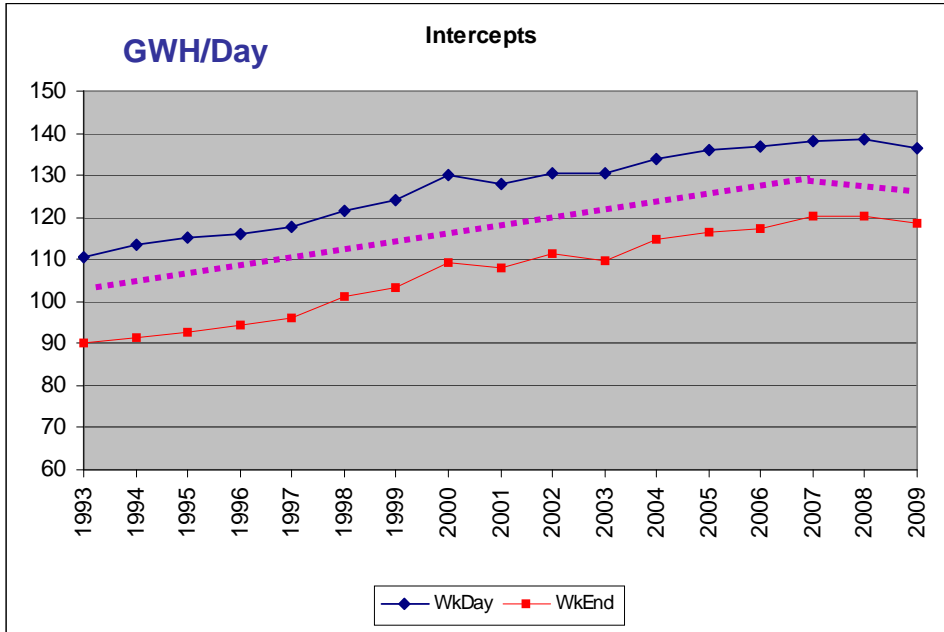
2009



Zone J

Weather Normalization Model - Daily Energy (GWH)



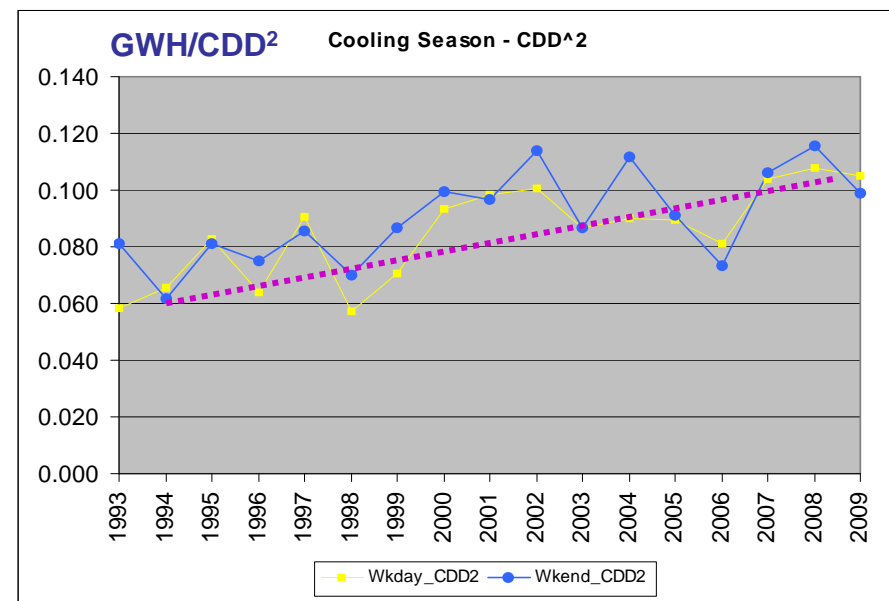
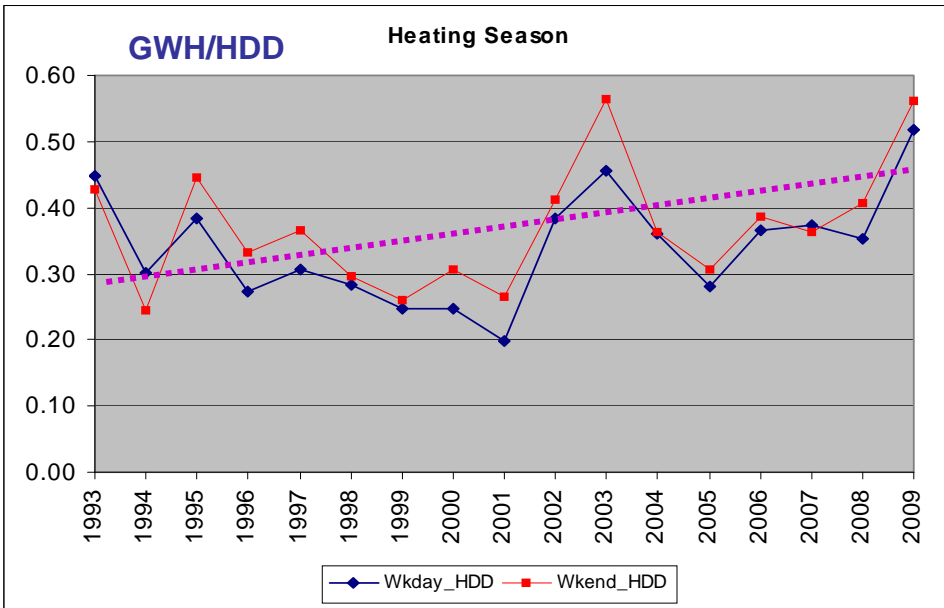


(1) Weather Normalization

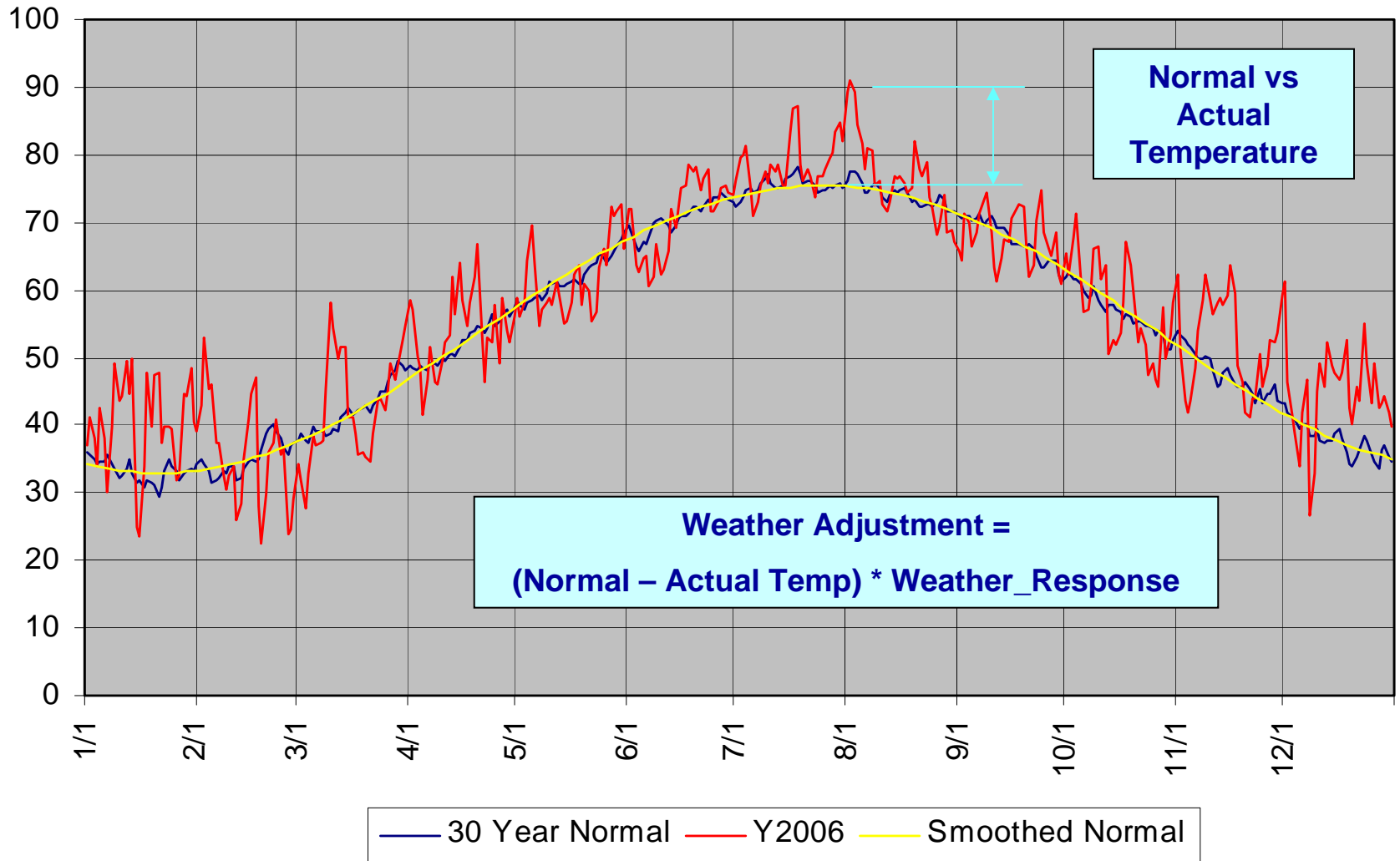
Actual versus normal weather on a given day can be used to adjust energy on that day, due to weather.

(2) SAE Modeling

Changes in seasonal energy patterns over time can be related to changes in appliance saturations, efficiencies, and utilization

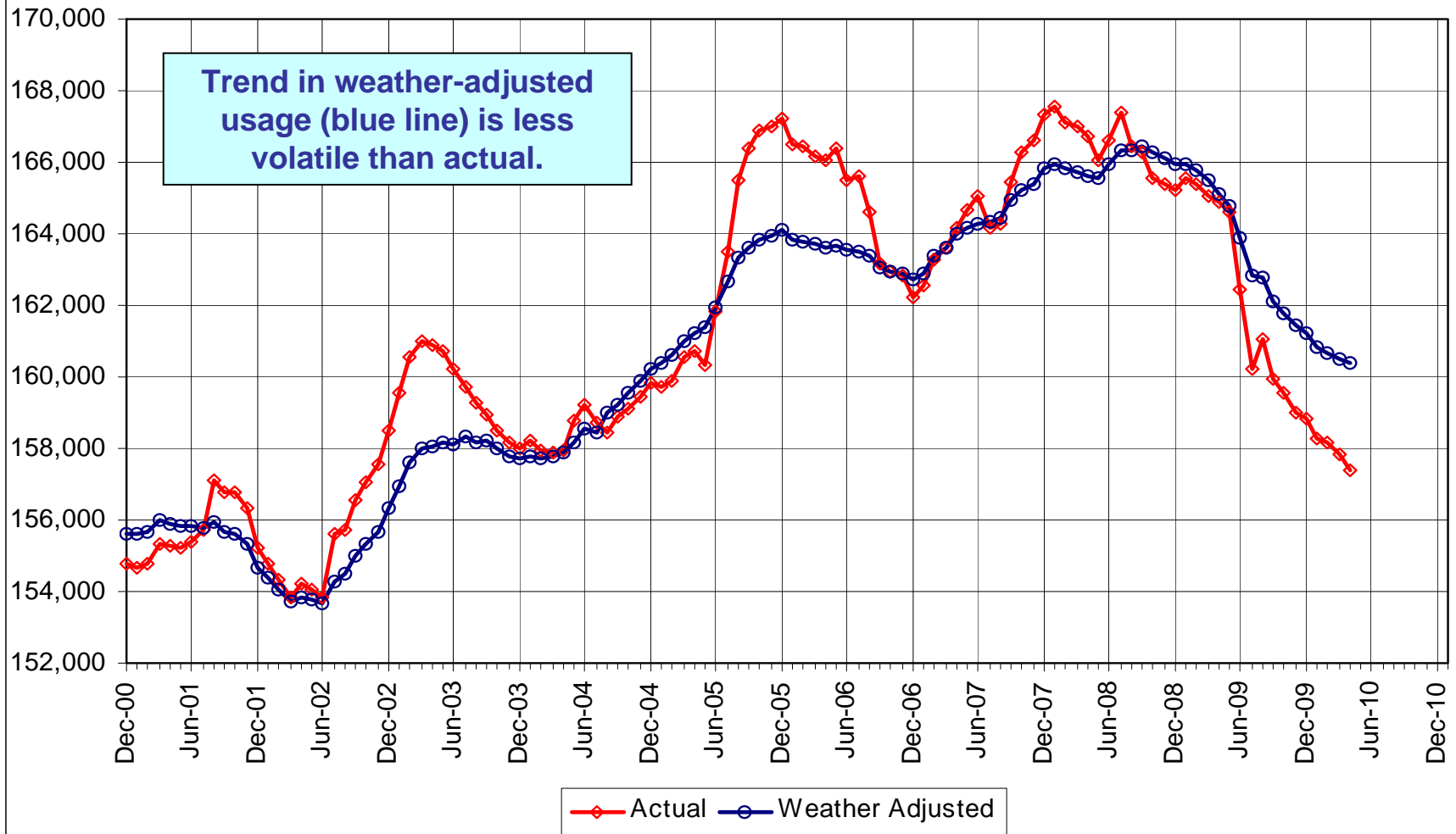


Actual & Normal Daily Temperature - Zone J

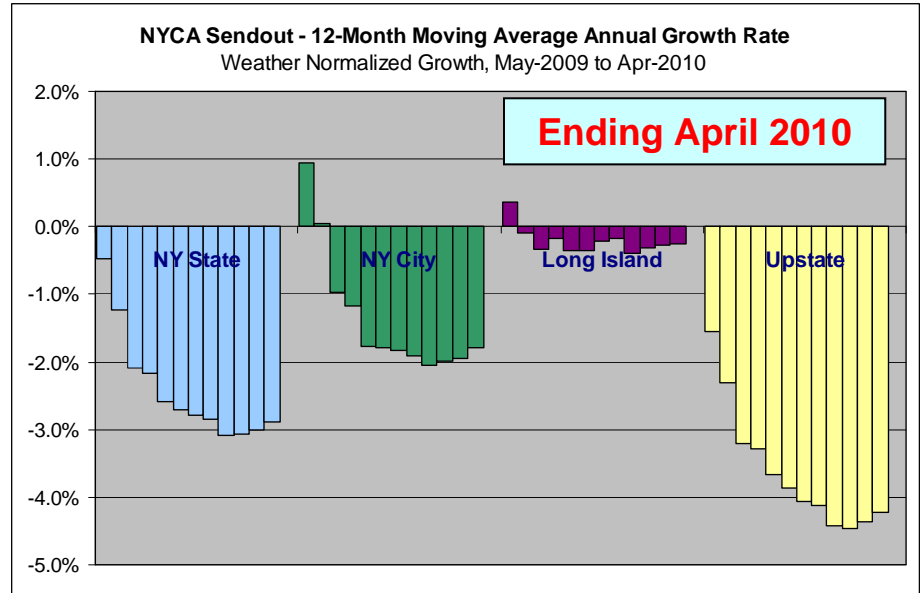
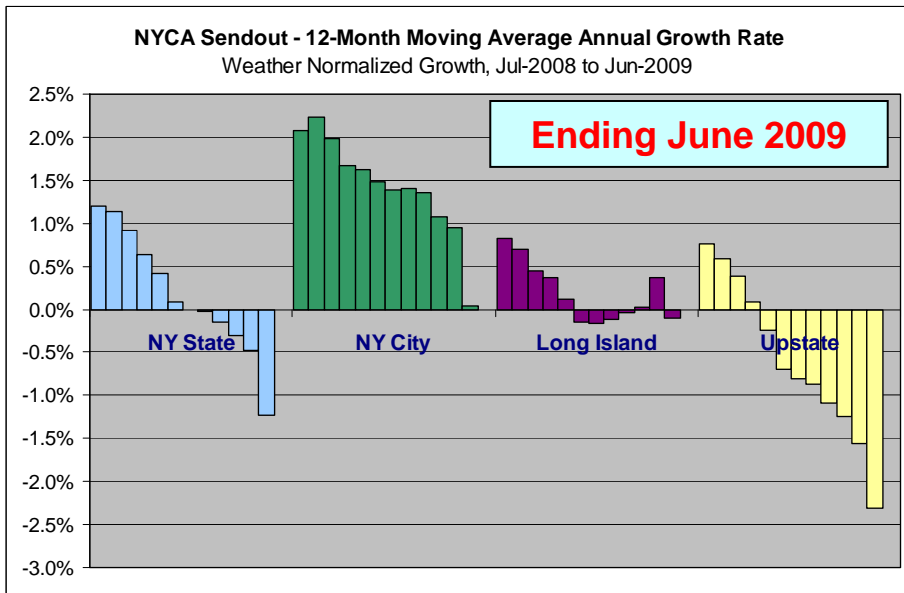
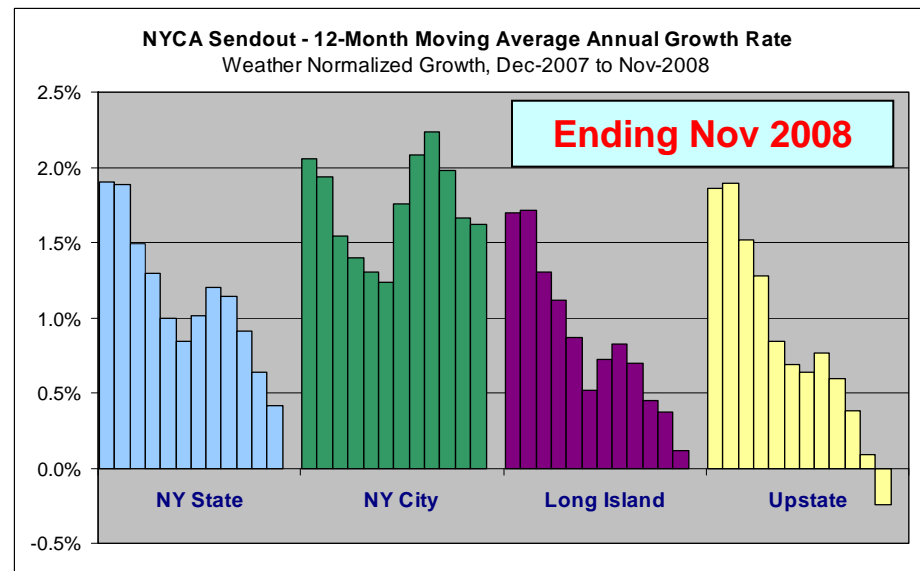
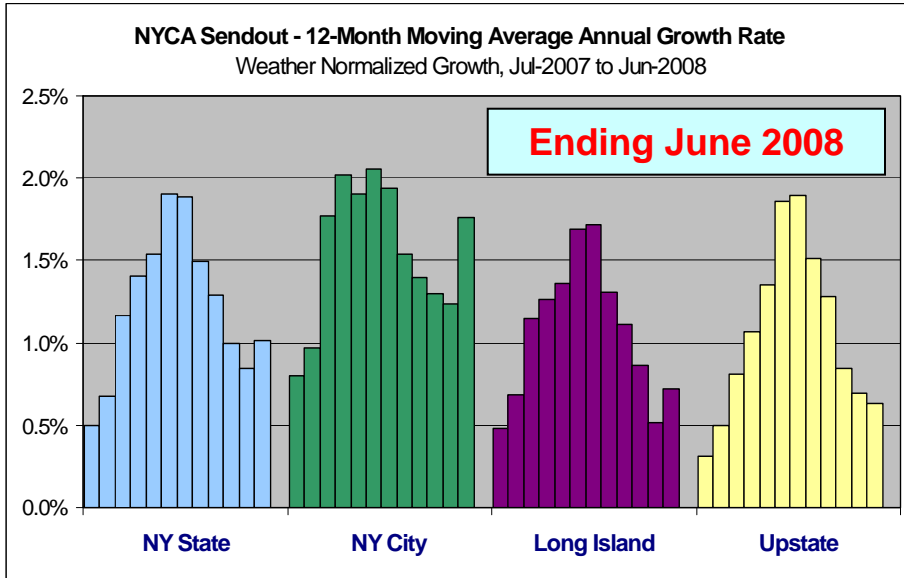


New York State Energy Sendout (GWh)

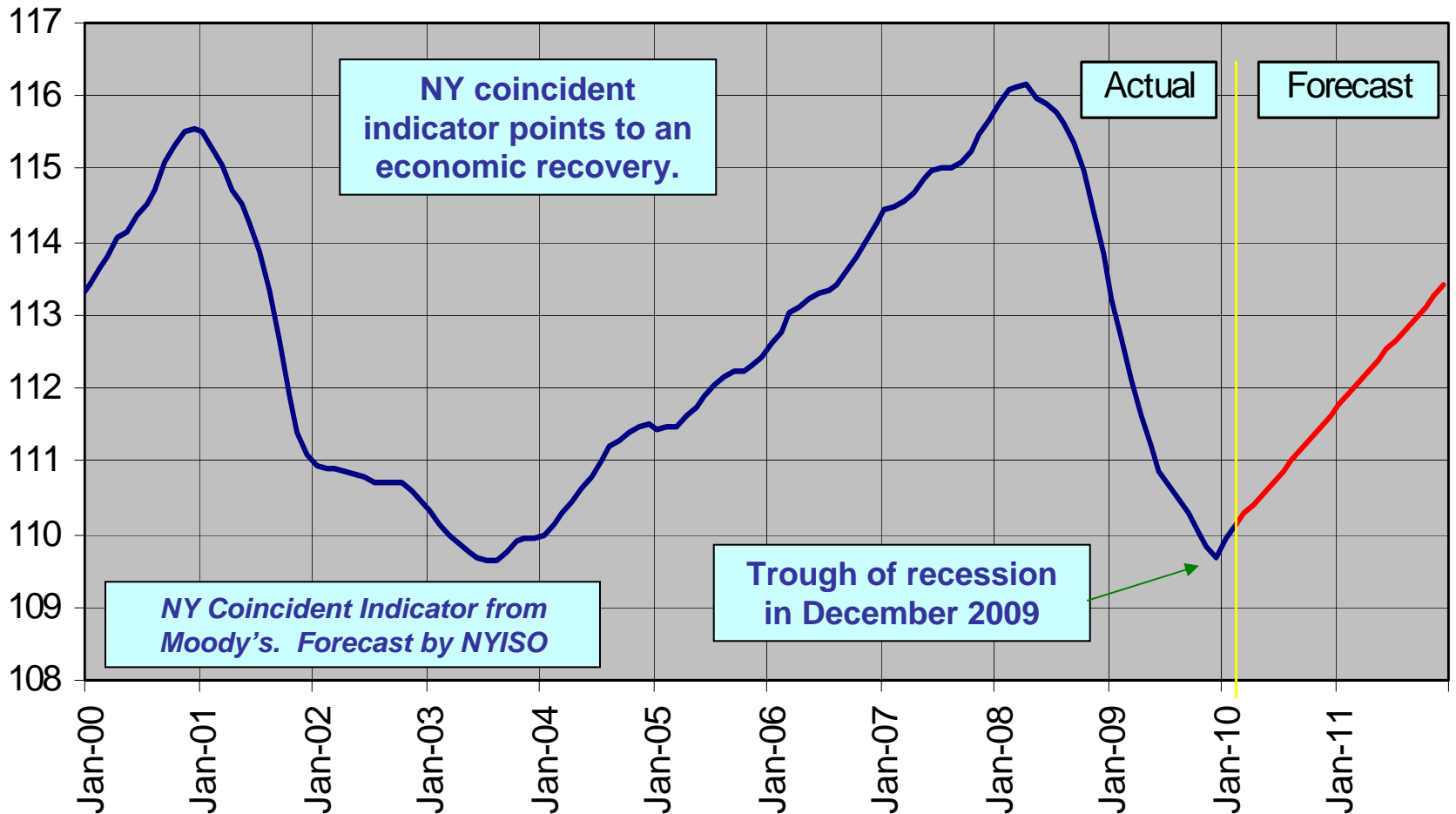
12 Month Moving Sum, Actual & Weather Adjusted



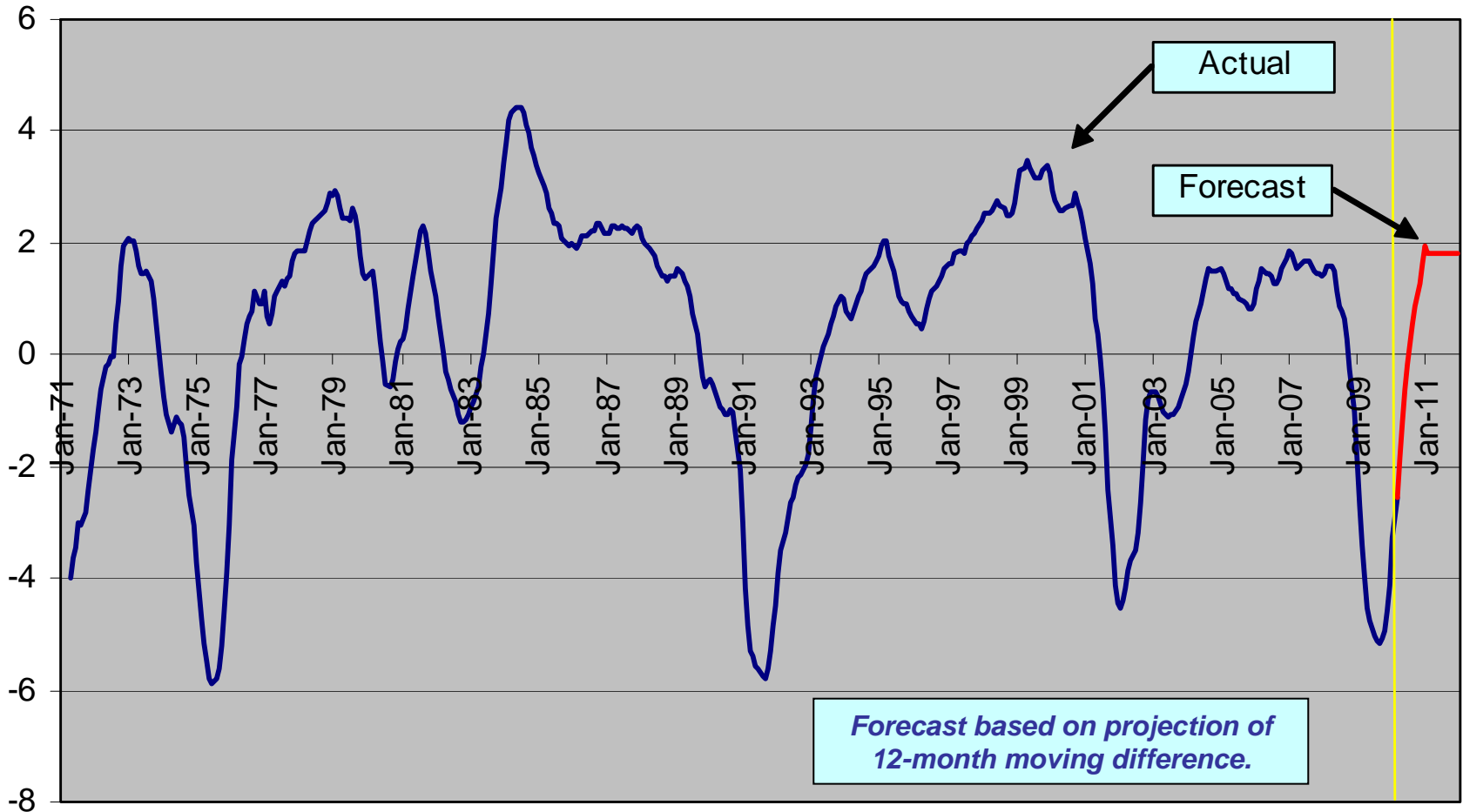
Impact of the 2009 Recession on Energy Growth Rates: June 2008 to April 2010



NY Coincident Economic Indicator Actual & Forecast



Change in NY Coincident Indicator, 12 Month Moving Difference Actual & Forecast



The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and performs comprehensive reliability and resource planning for the state's bulk electricity system.

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