

OE ENERGY MARKET SNAPSHOT

Western States Version – August 2007 Data

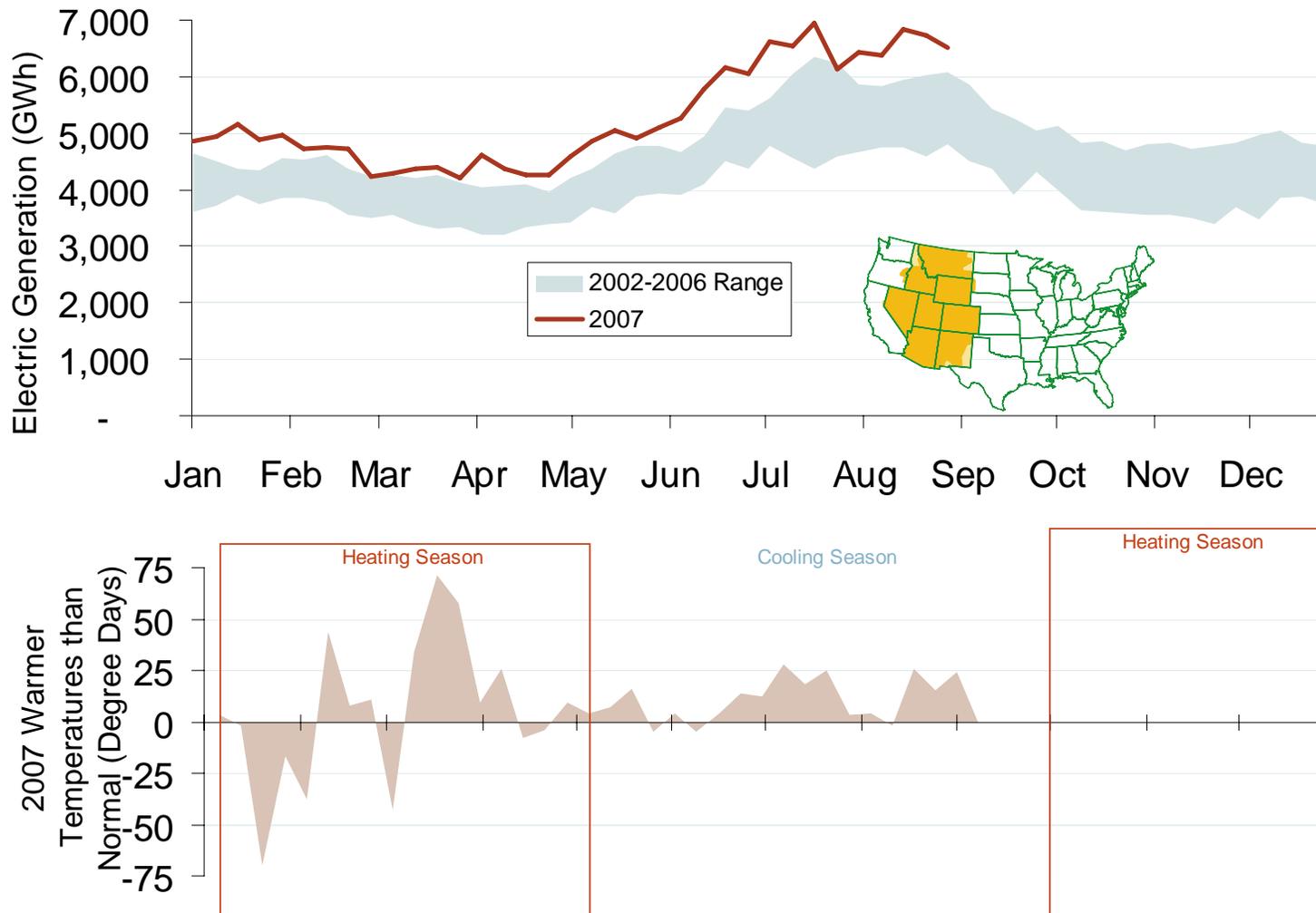
- **Market Fundamentals**
- **Prices and Market Analysis**

Office of Enforcement
Federal Energy Regulatory Commission
September 2007



Market Fundamentals

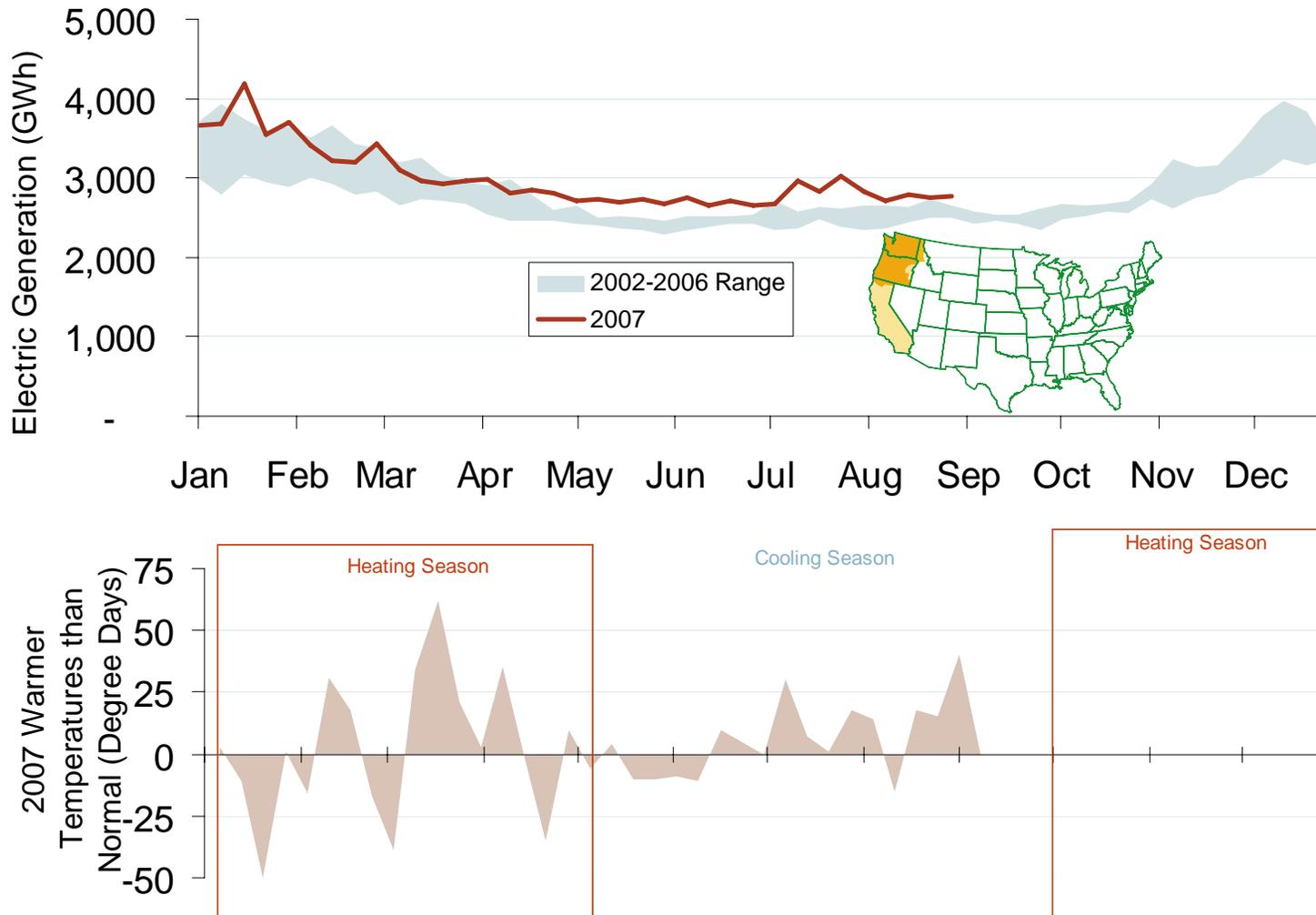
Weekly Electric Generation Output and Temperatures Rocky Mountains Region



Source: Derived from EEI and NOAA data.

Updated September 7, 2007

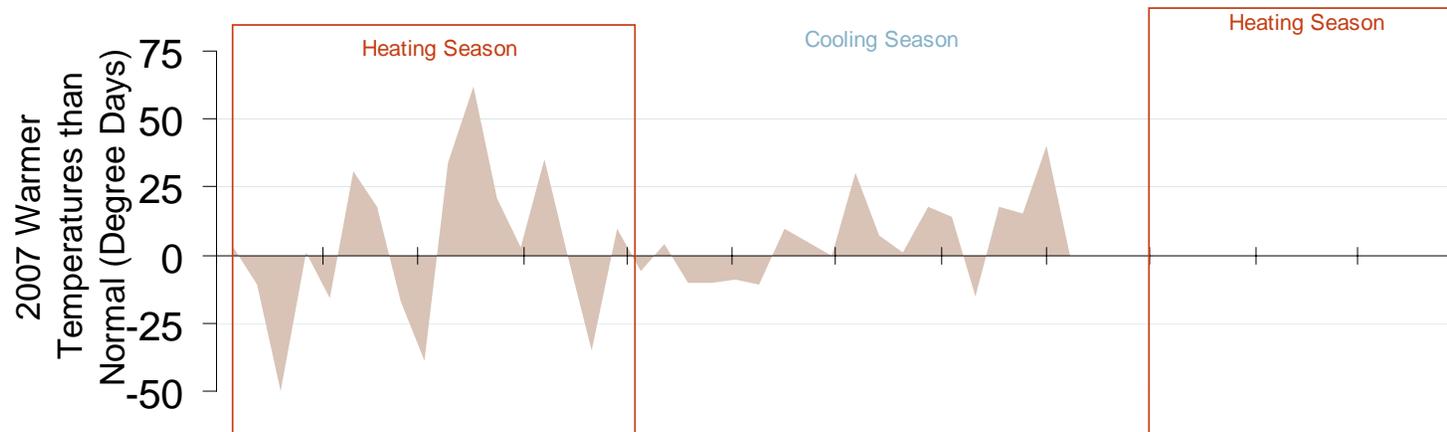
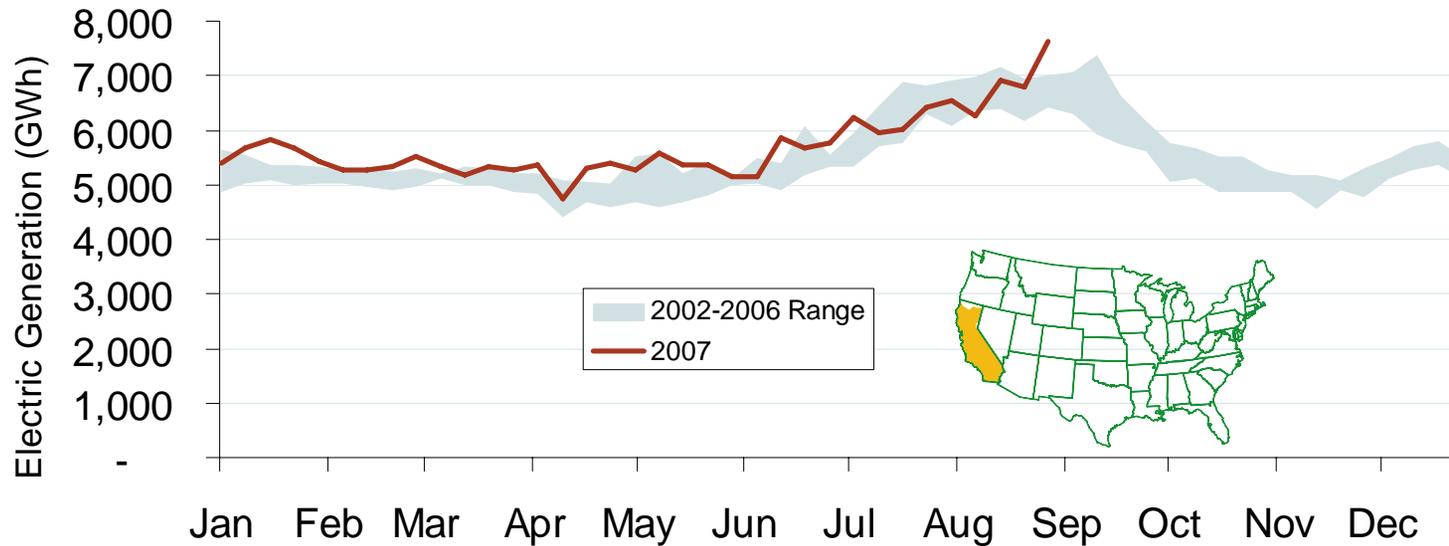
Weekly Electric Generation Output and Temperatures Pacific Northwest Region



Source: Derived from EEI and NOAA data.

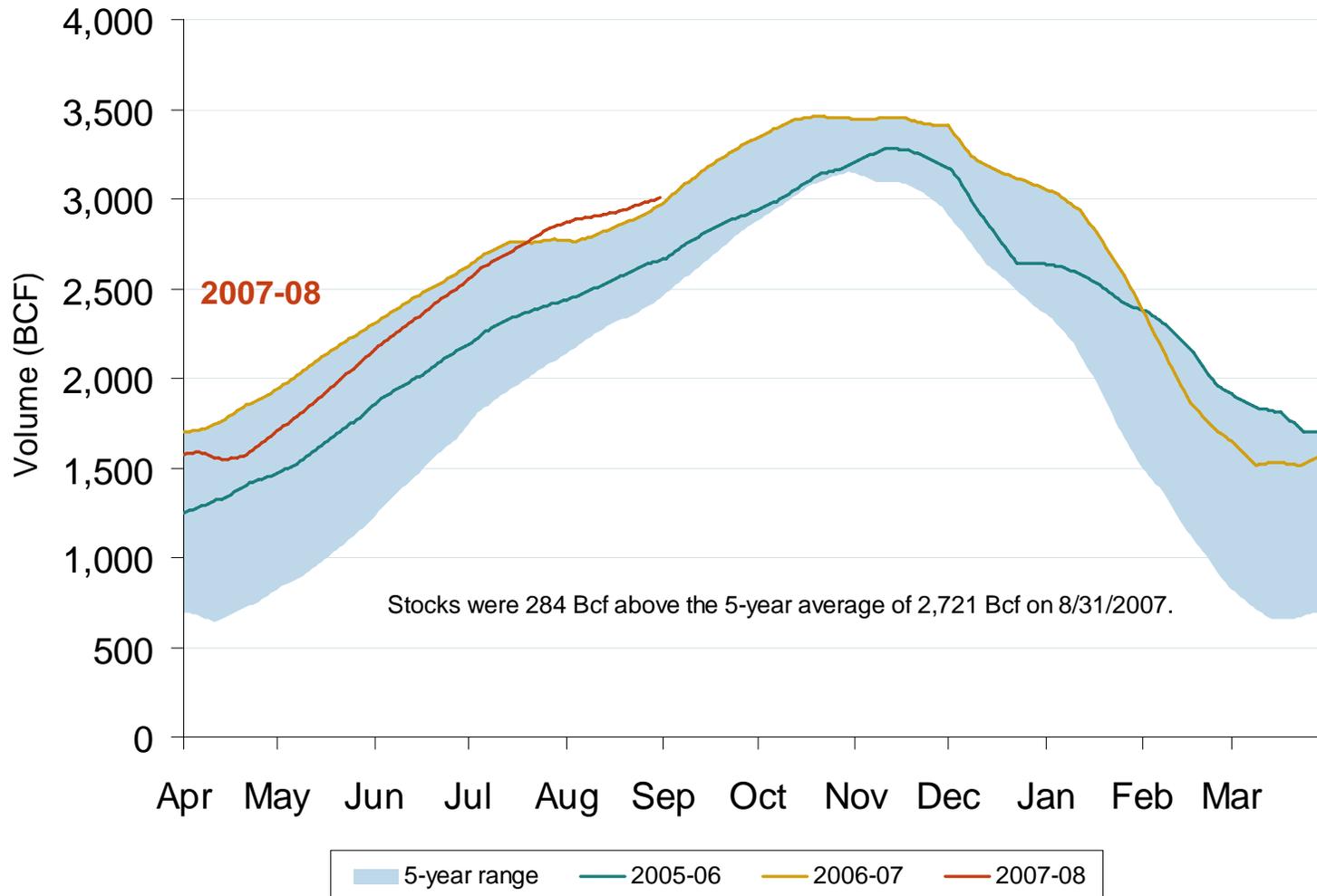
Updated September 7, 2007

Weekly Electric Generation Output and Temperatures California



Source: Derived from EEI and NOAA data.

Total U.S. Working Gas in Storage

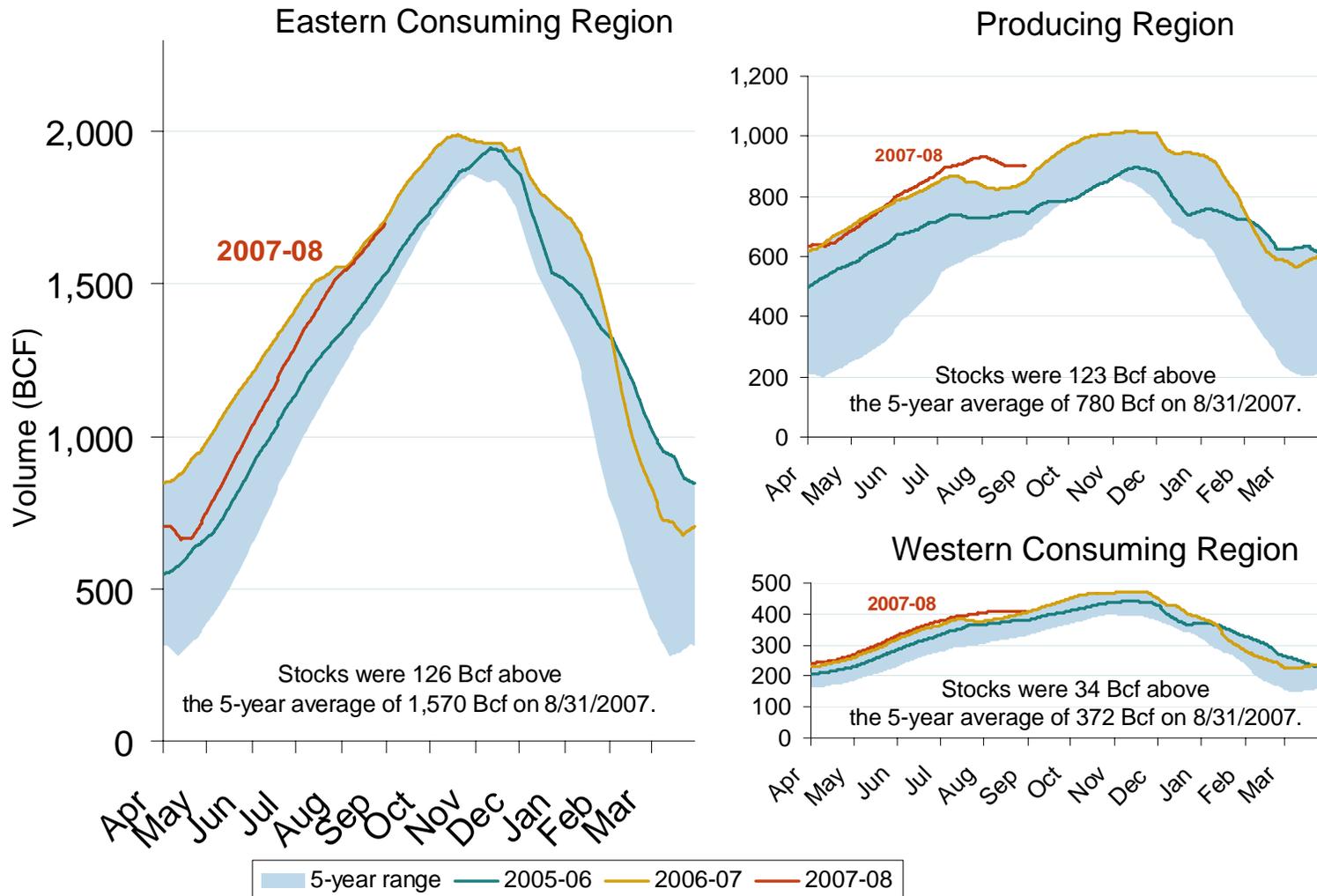


Source: Derived from EIA data.

Updated September 7, 2007

2003

Regional Totals of Working Gas in Storage

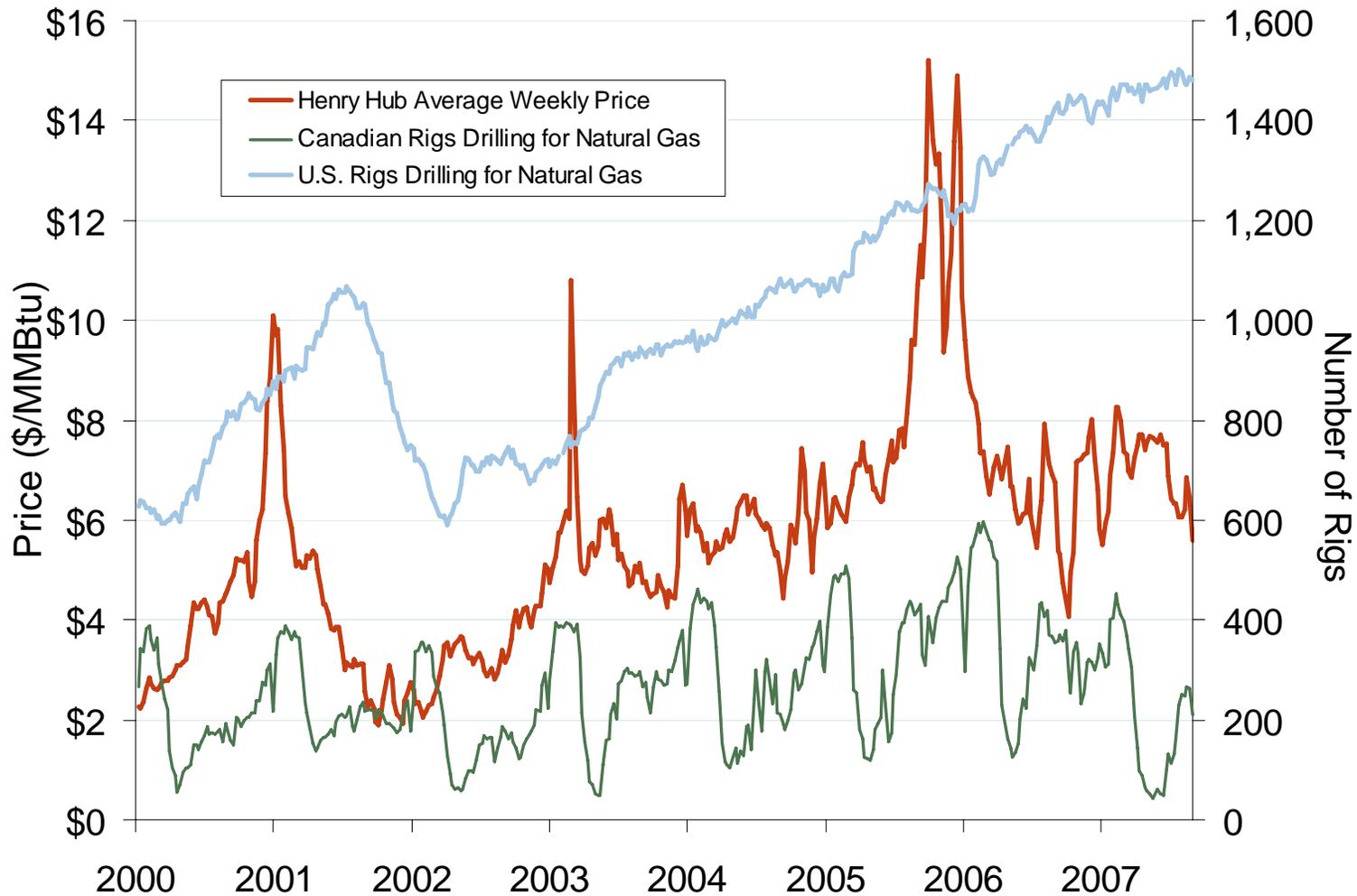


Source: Derived from EIA data.

Updated September 7, 2007

2004

U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices

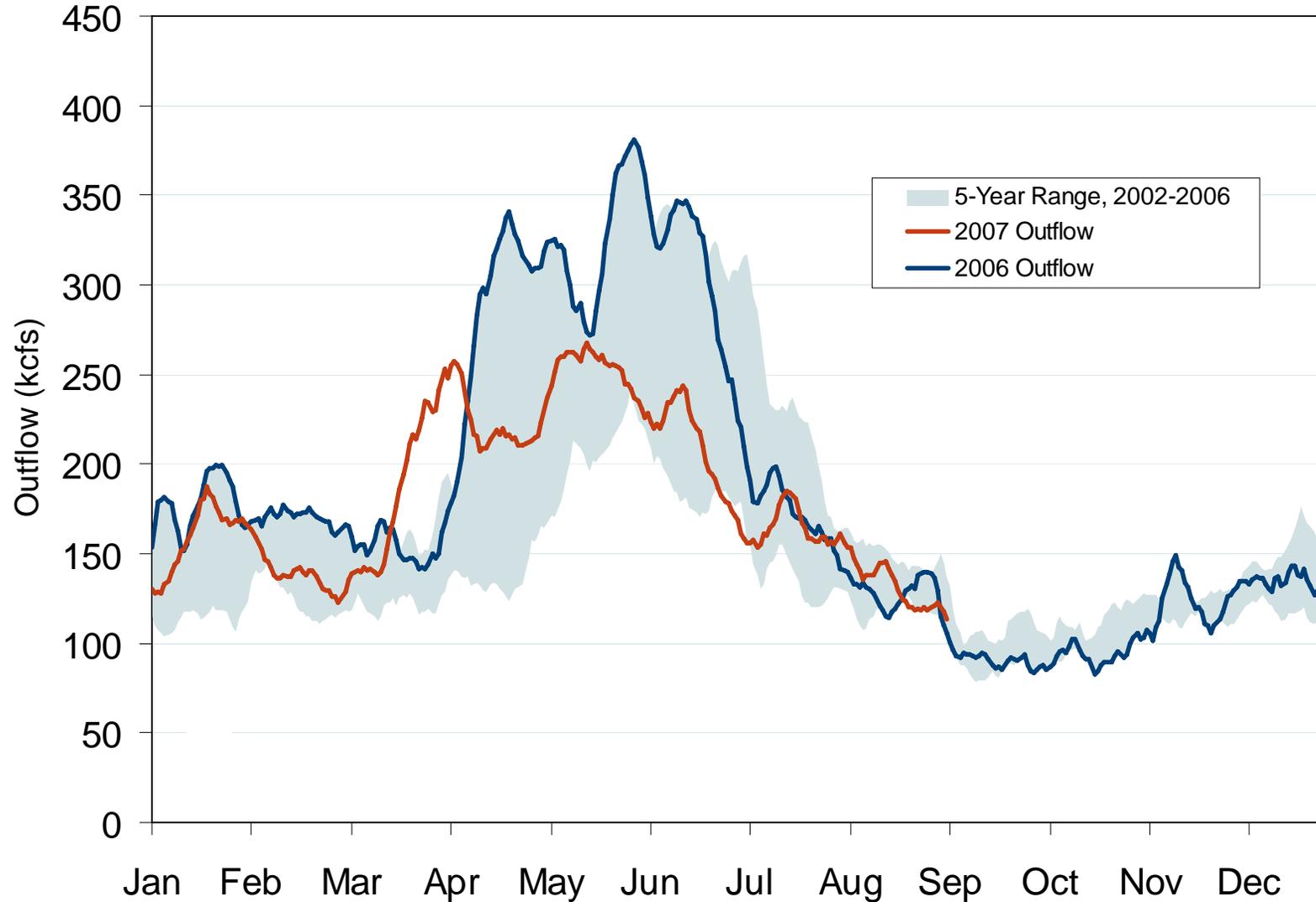


Source: Derived from *Platts* and *Baker Hughes* data.

Updated September 7, 2007

2007

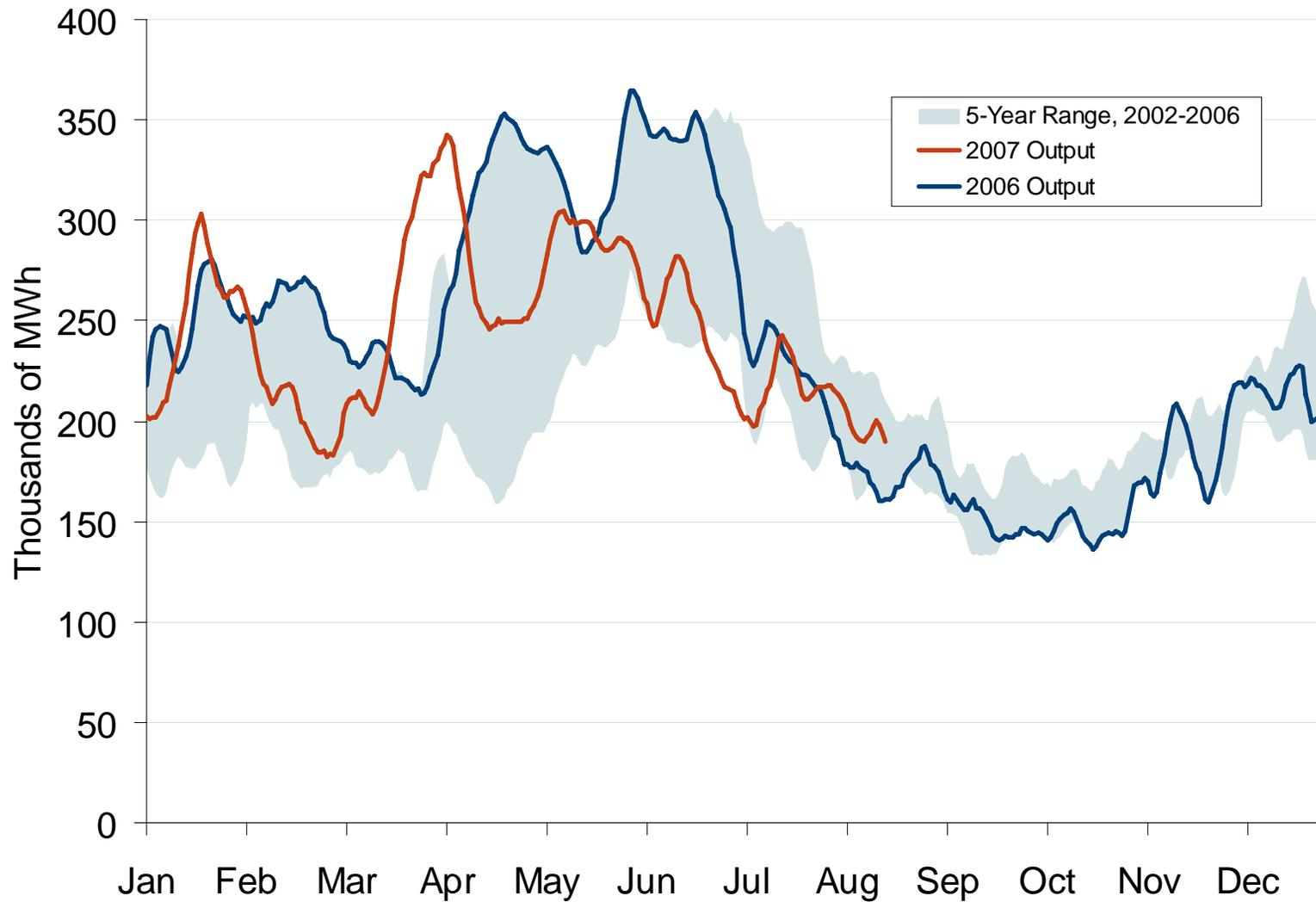
Stream Flow at The Dalles Dam



Source: Derived from USACE data.
Trend lines are 7-day moving averages.

Updated September 7, 2007

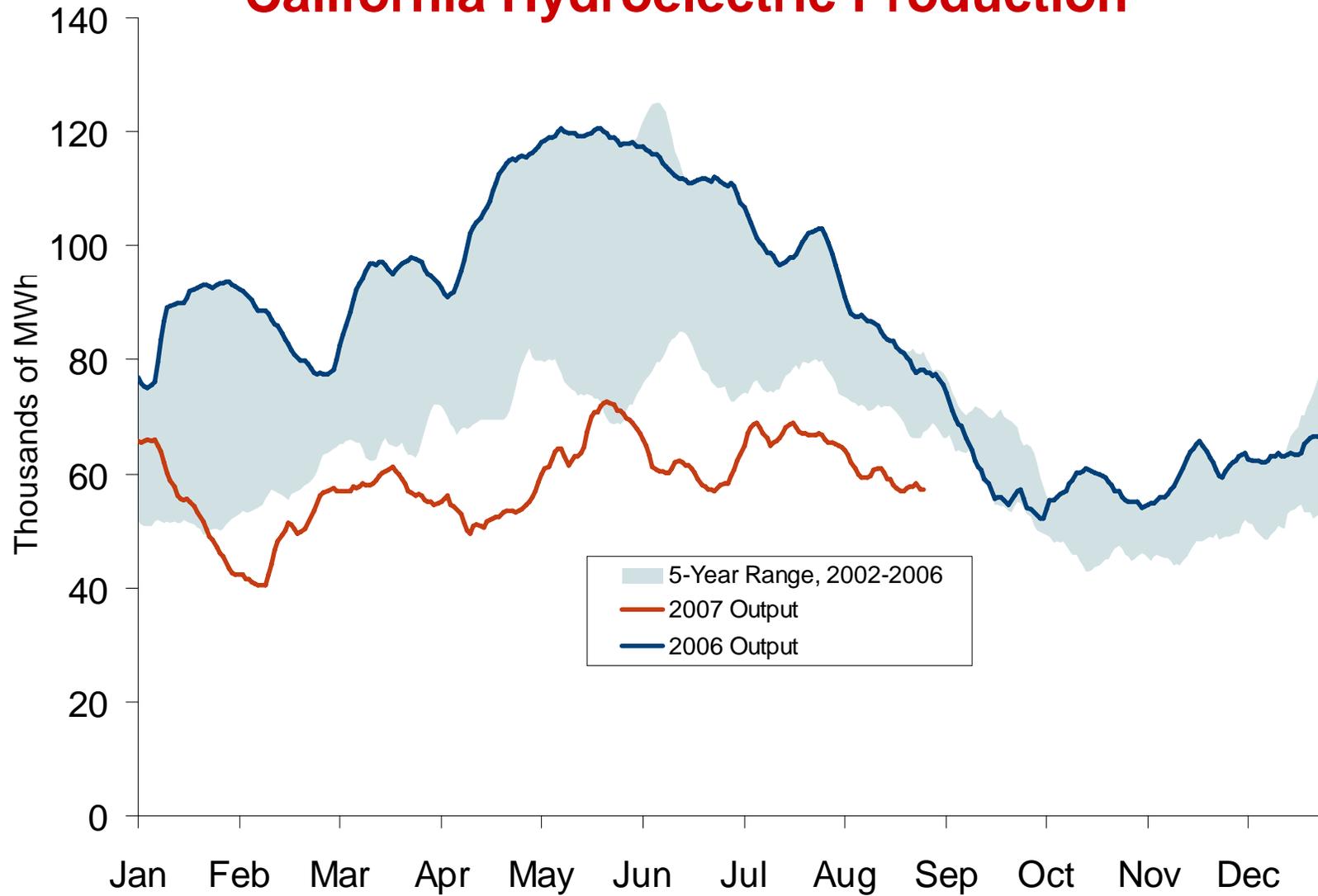
Pacific Northwest Hydroelectric Production



Source: Derived from USACE data.
Trend lines are 7-day moving averages.

Updated September 7, 2007

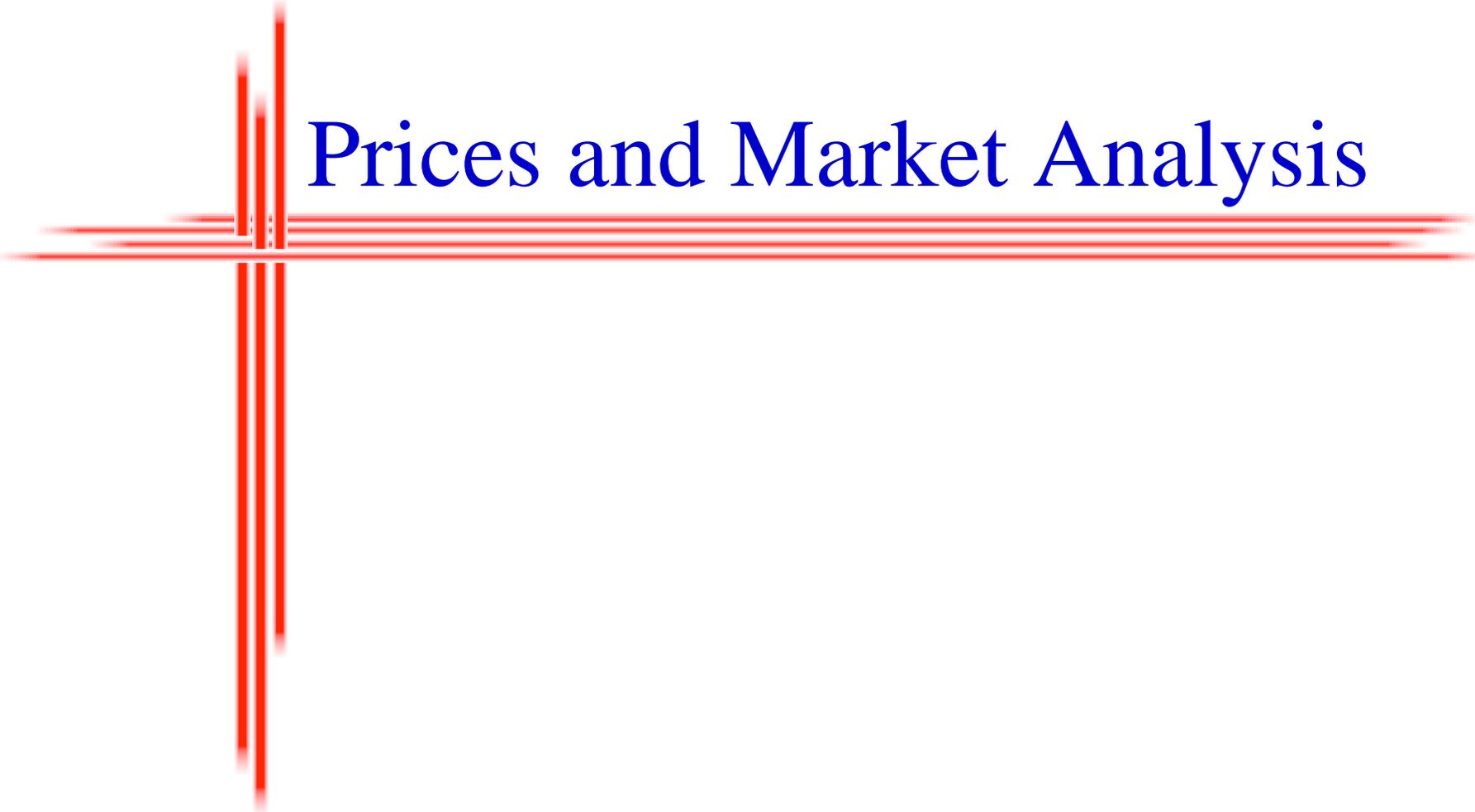
California Hydroelectric Production



Source: Derived from CAISO data.

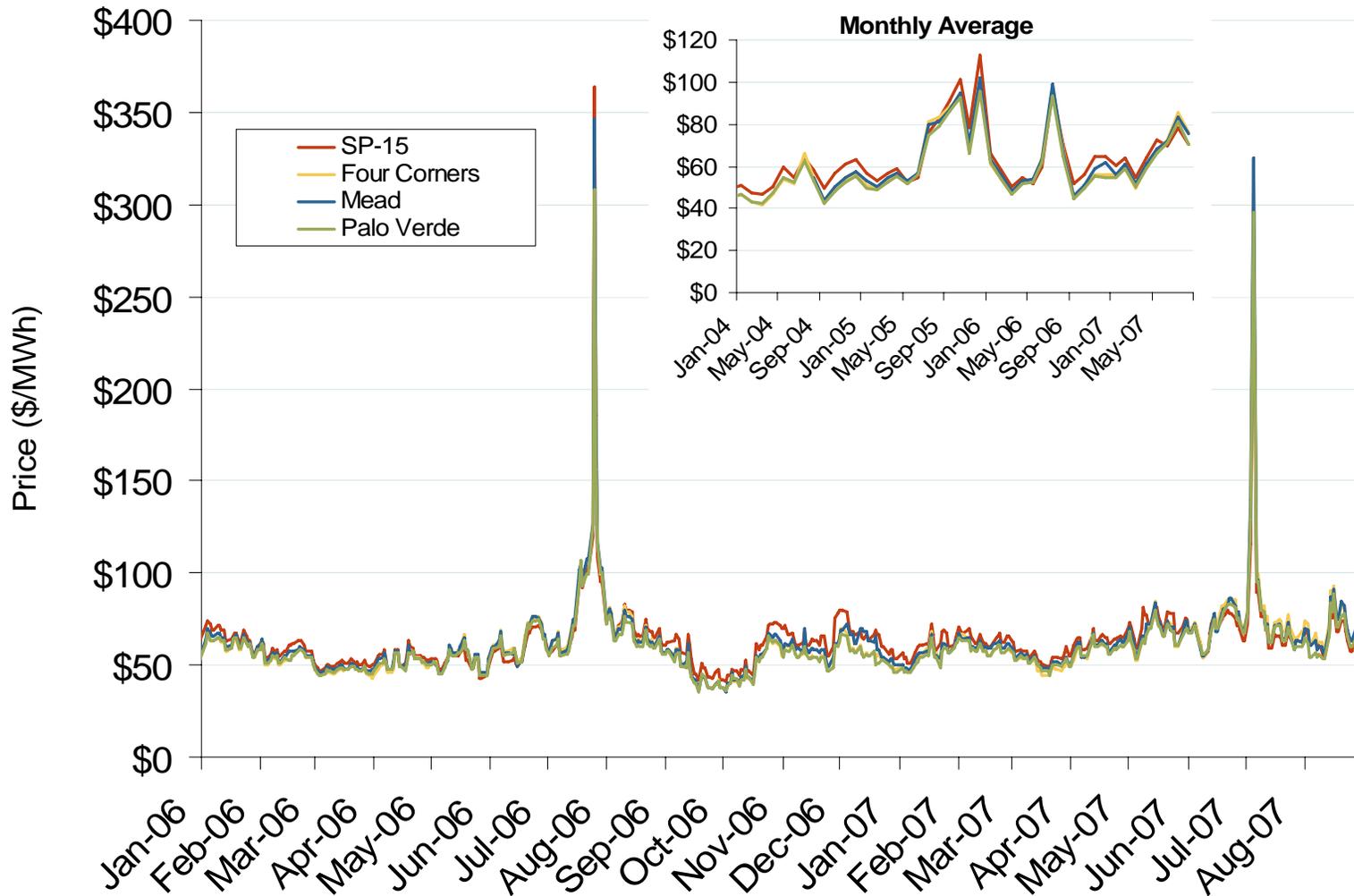
Trend lines are 7-day moving averages.

Updated September 7, 2007



Prices and Market Analysis

Southwestern Daily Bilateral Day-Ahead On-Peak Prices

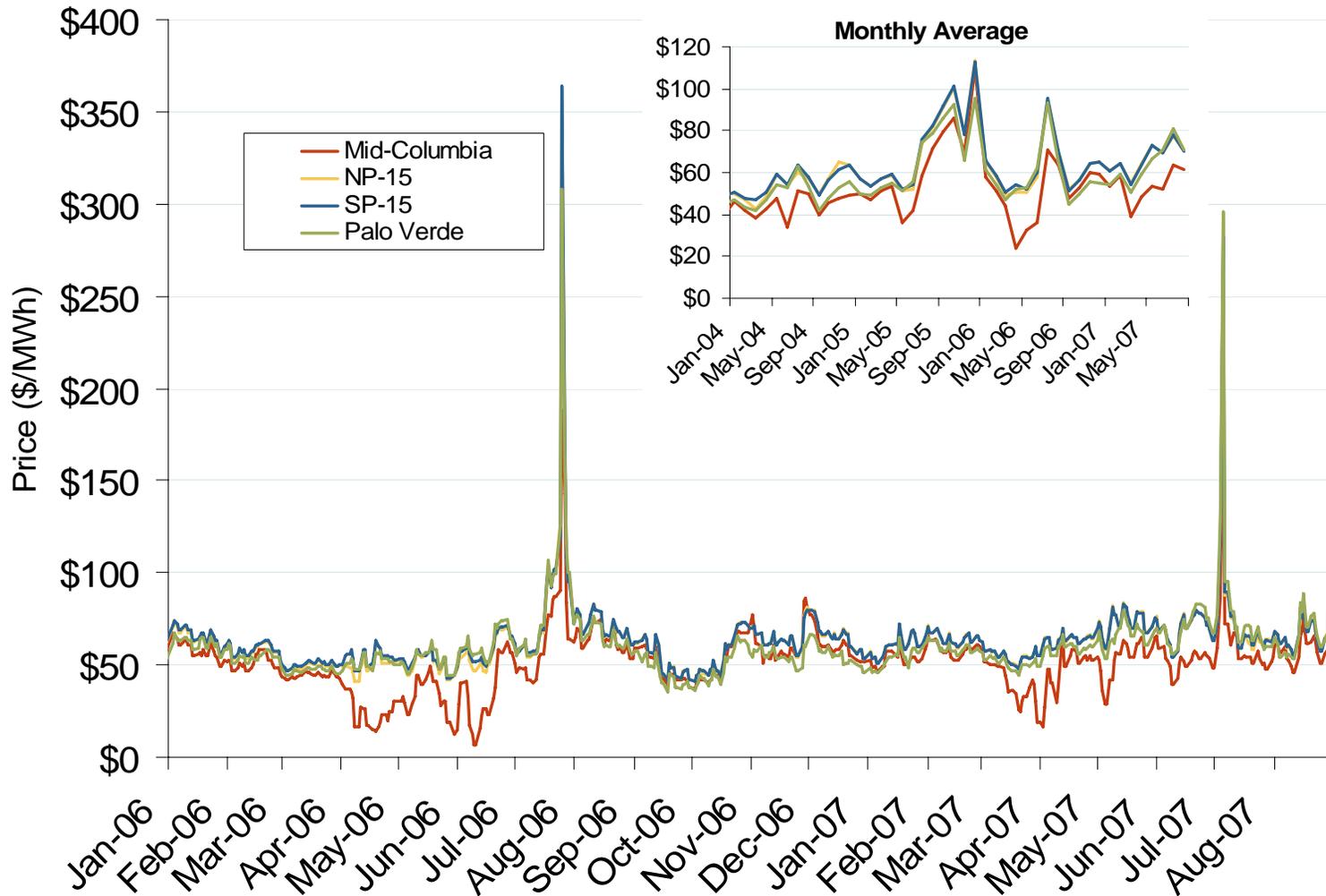


Source: Derived from *Platts* data.

Updated September 7, 2007

1066

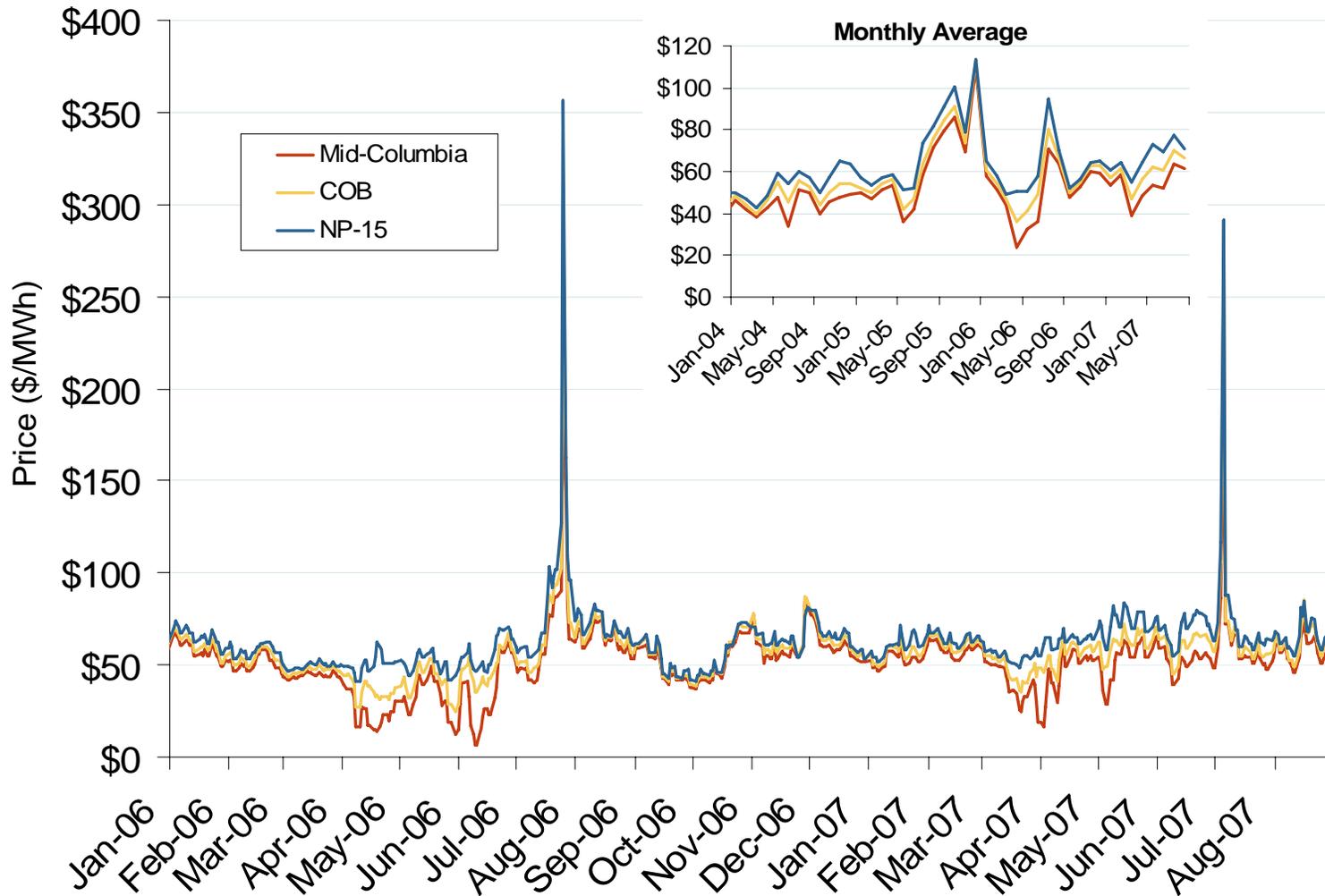
Western Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated September 7, 2007

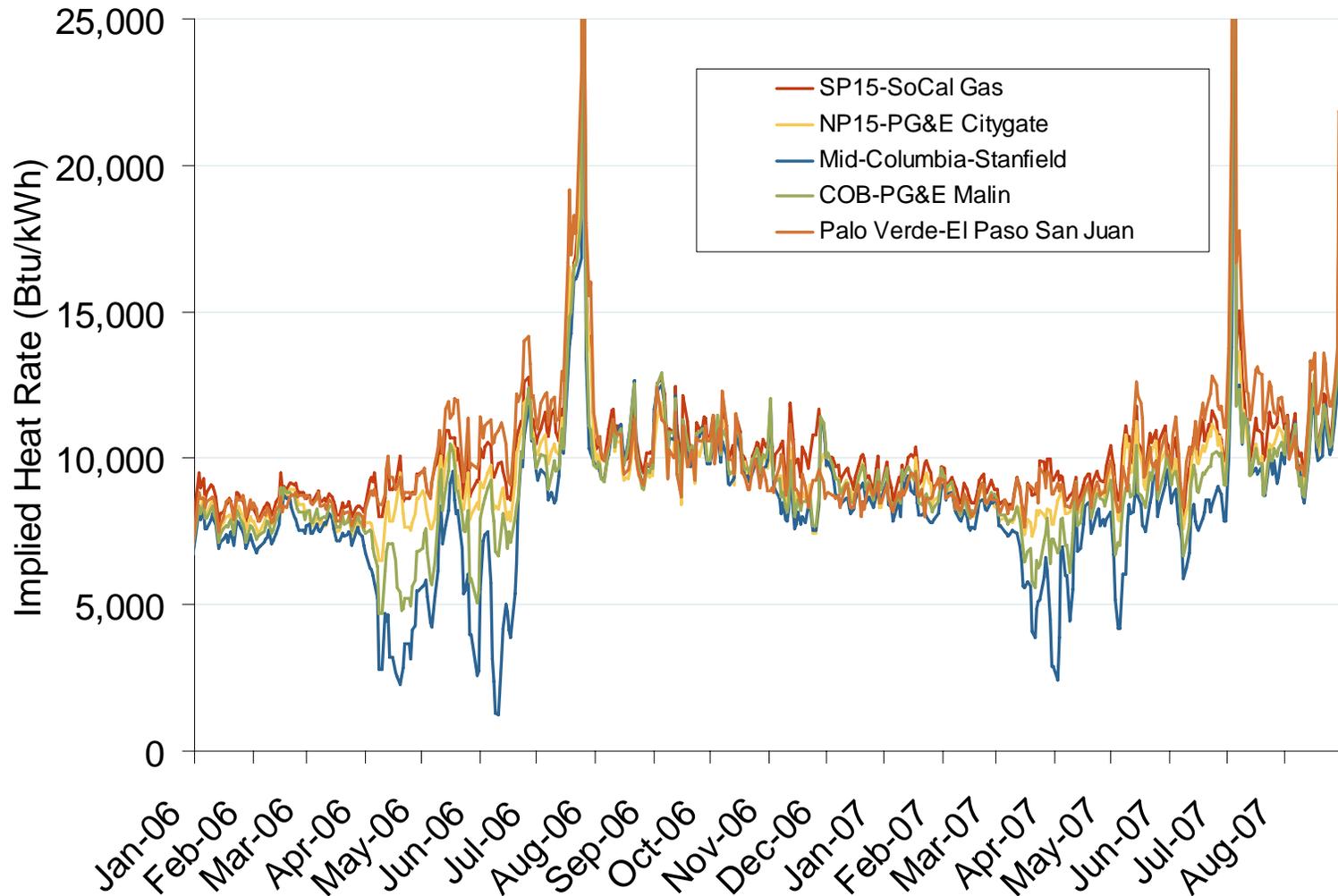
Northwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from Platts data.

Updated September 7, 2007

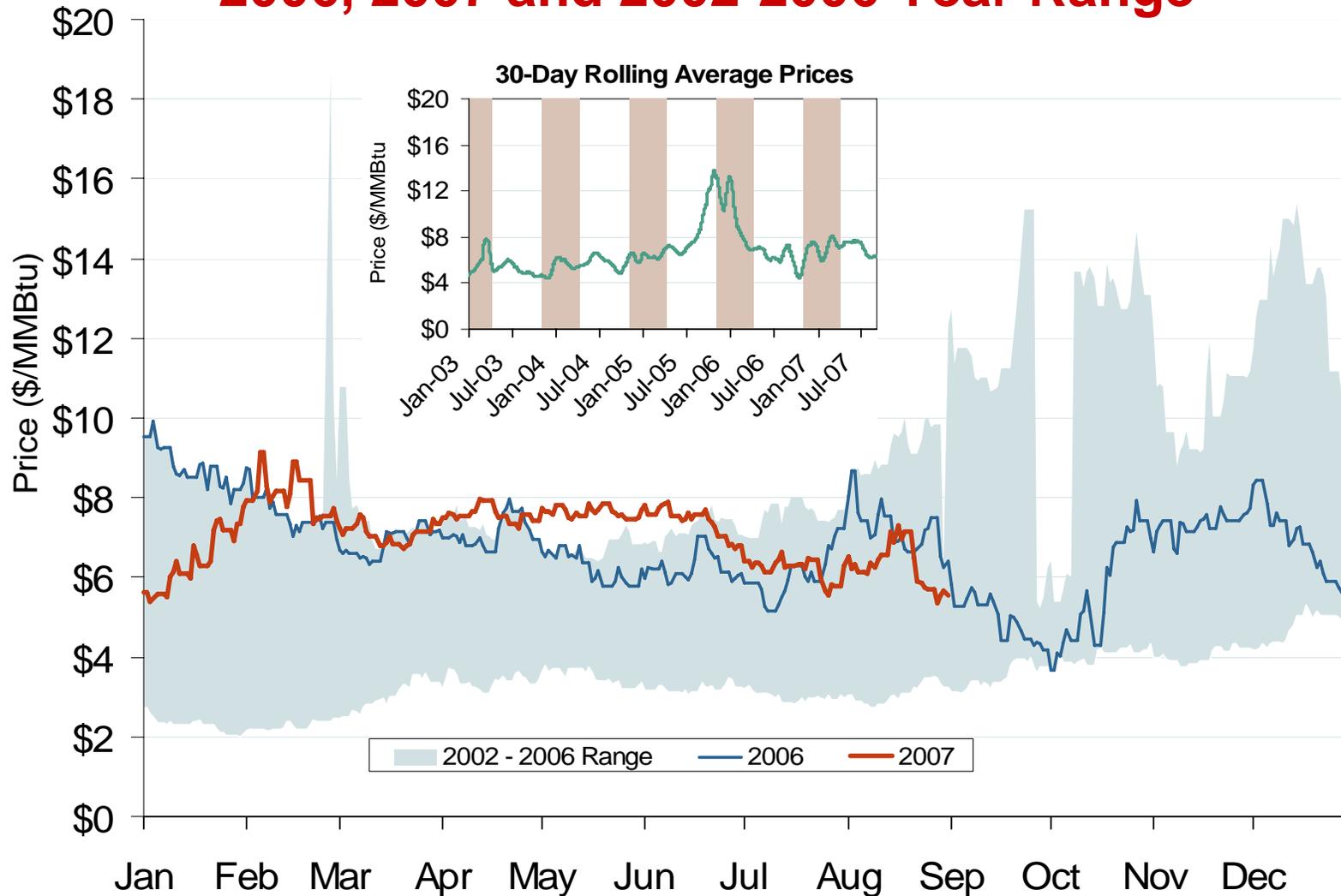
Implied Heat Rates at Western Trading Points



Source: Derived from *Platts* data

Updated September 7, 2007 1143

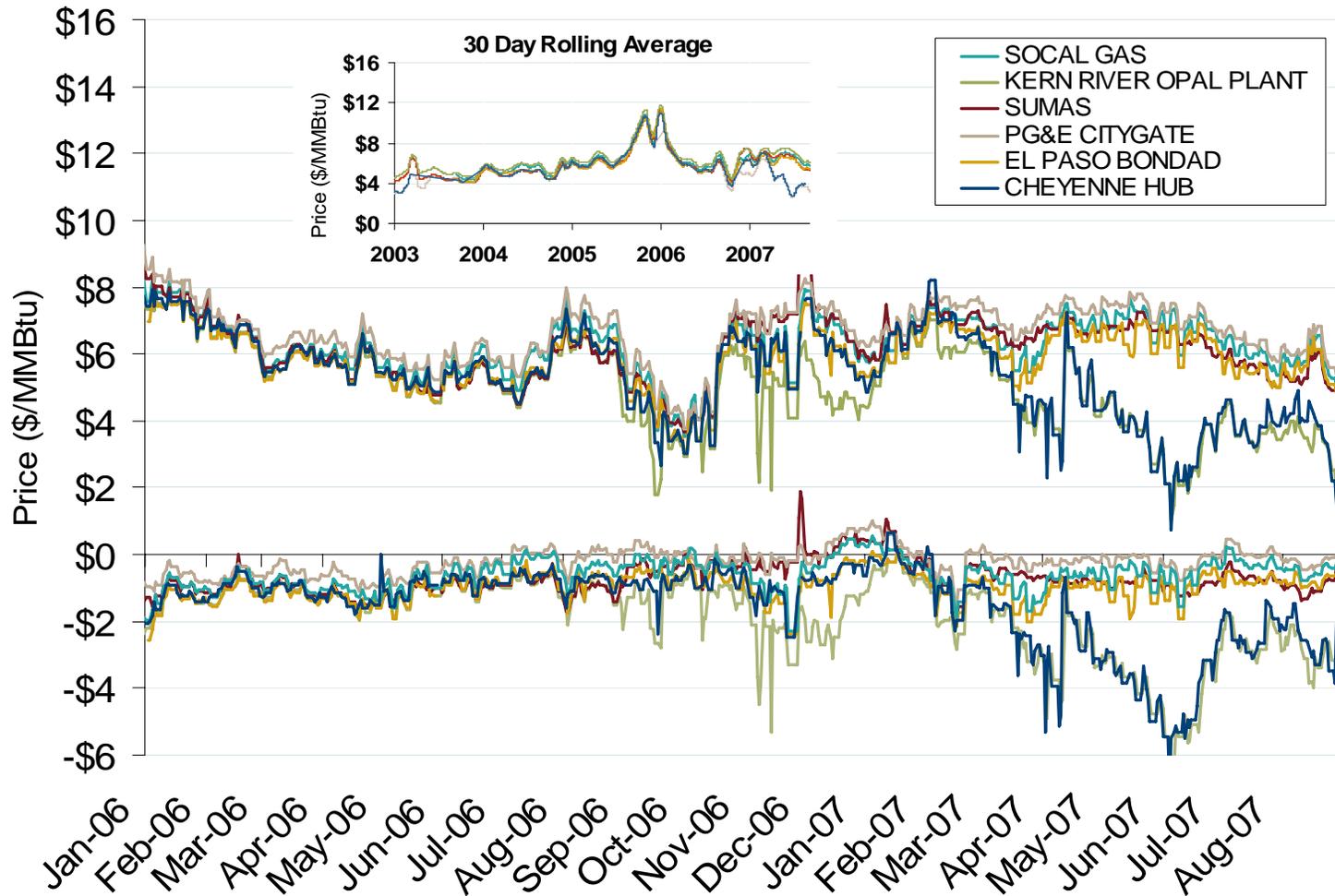
Henry Hub Natural Gas Daily Spot Prices 2006, 2007 and 2002-2006 Year Range



Source: Derived from *Platts* data.

Updated September 7, 2007

Western Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated September 7, 2007
2072

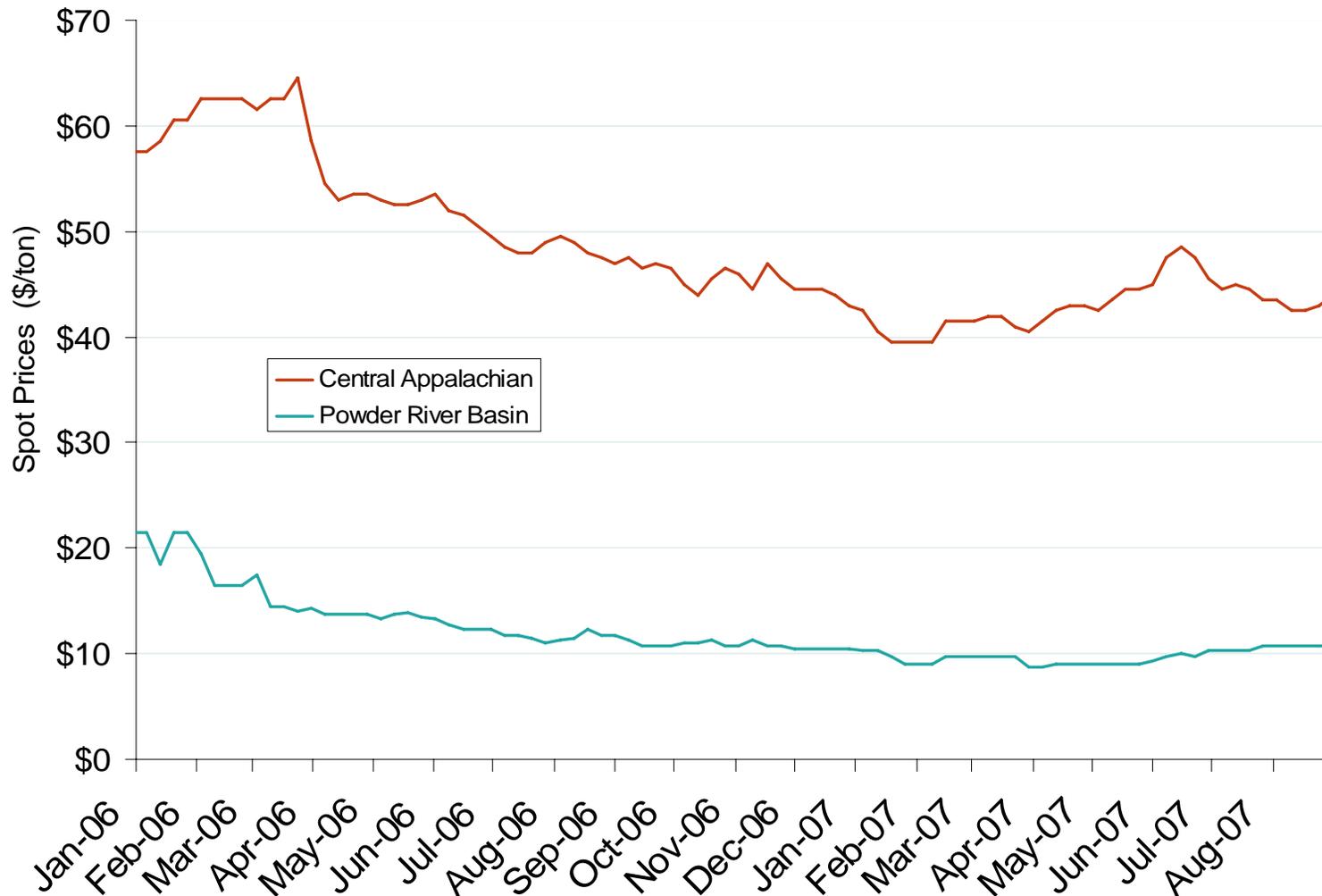
Natural Gas Winter Futures Strip and Daily Henry Hub Spot and Bidweek Prices



Source: Derived from *Platts* and *Nymex* data.

Updated September 7, 2007

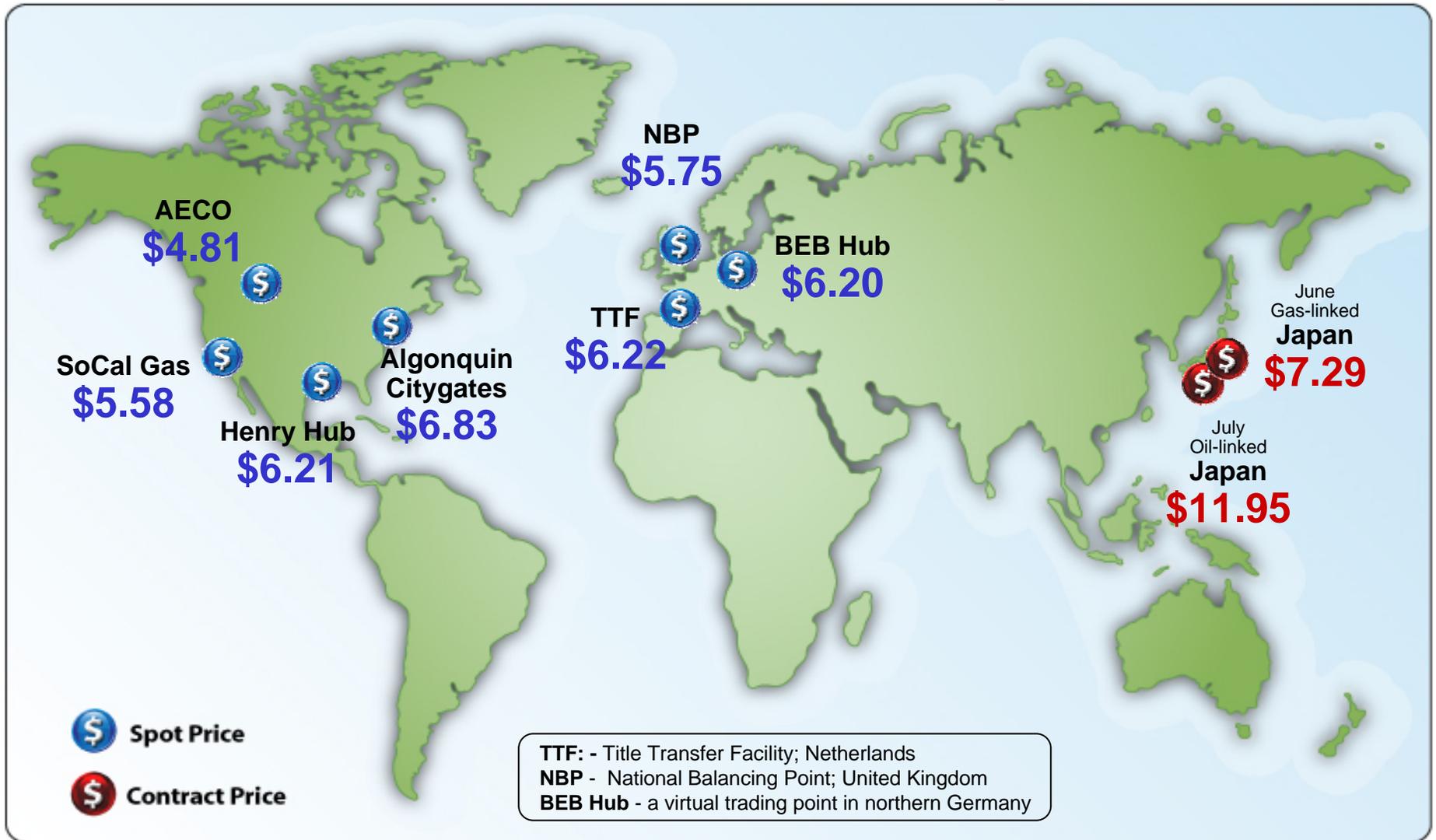
Central Appalachian and Powder River Basin Coal Prices



Source: Derived from Bloomberg data.

Updated September 7, 2007
3002

World Natural Gas Prices for August 2007

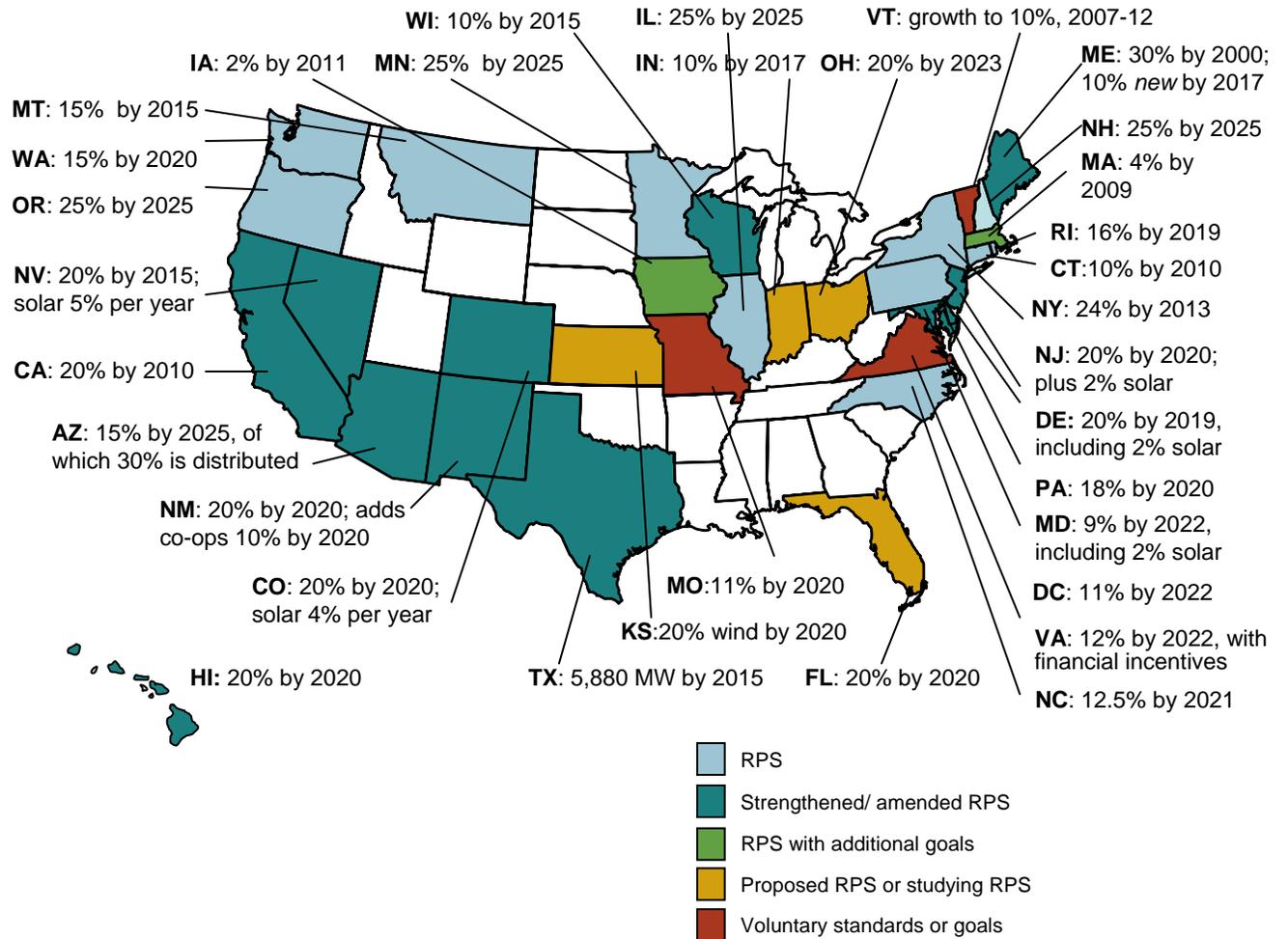


Source: Derived from *Bloomberg, ICE, ICAP and LNG Japan Corp.* data. Spot Price is a monthly average of daily prices. Contract Price is a monthly price. All prices in \$US/MMBtu.

Updated September 7, 2007

Renewable Energy Portfolio Standards (RPS)

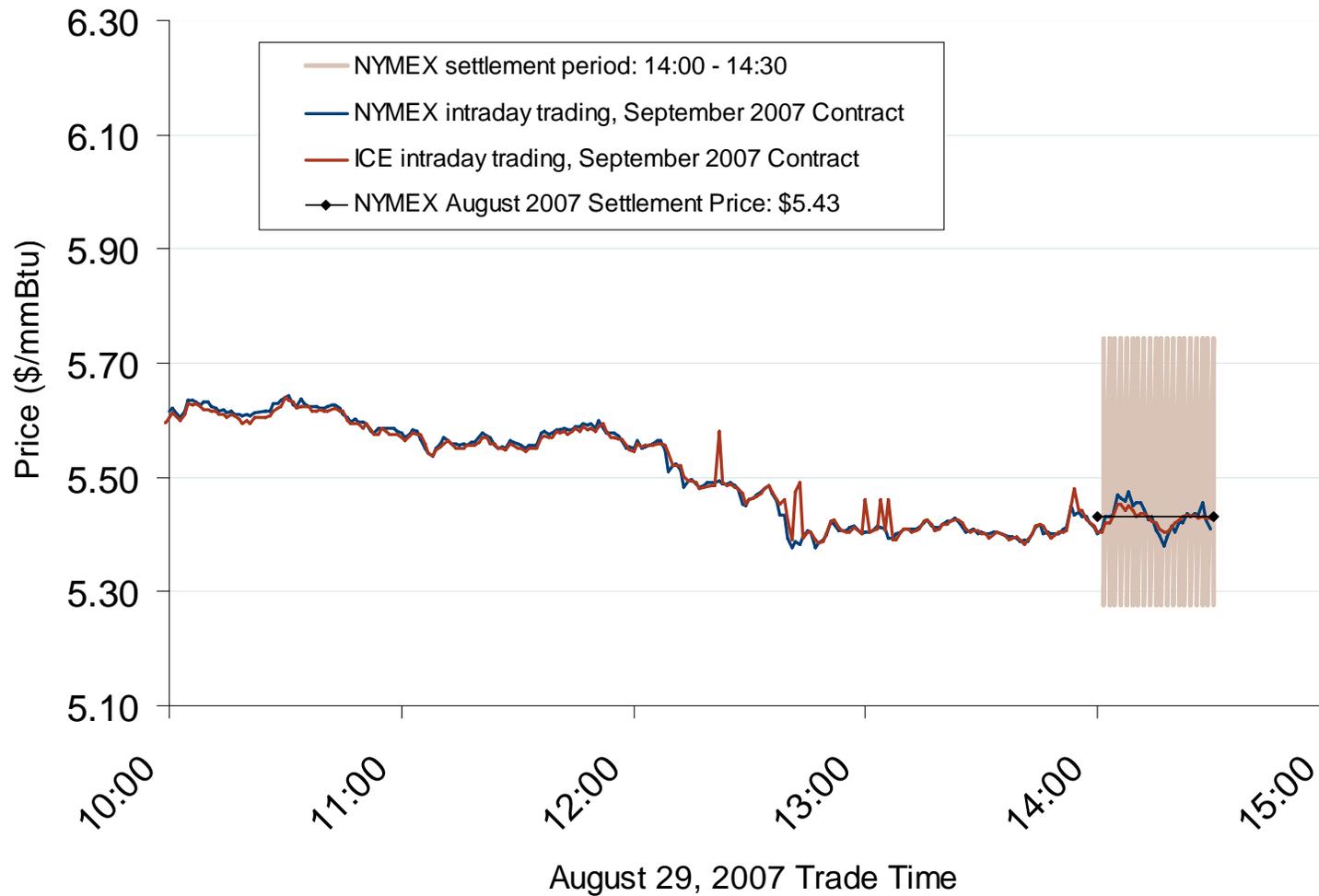
- A RPS requires a percent of energy sales or installed capacity to come from renewable resources.
- 25 states and DC now have renewable energy standards. Three more have goals. This summer, North Carolina enacted an RPS, Delaware doubled its requirement, Illinois and Maine turned goals into law, and Missouri enacted a goal.
- States that adopted transmission planning and cost recovery policies to support new renewable generation include California, Colorado, Minnesota, New Mexico, and Texas.



Notes: Minnesota’s requirement for Xcel Energy exceeds the state’s: it is 30% by 2020; Alaska has no RPS.
Sources: Derived from data in: EEI, EIA, LBNL, PUCs, State legislative tracking services, Database of State Incentives for Renewables and Efficiency, and the Union of Concerned Scientists.

Updated August 30, 2007

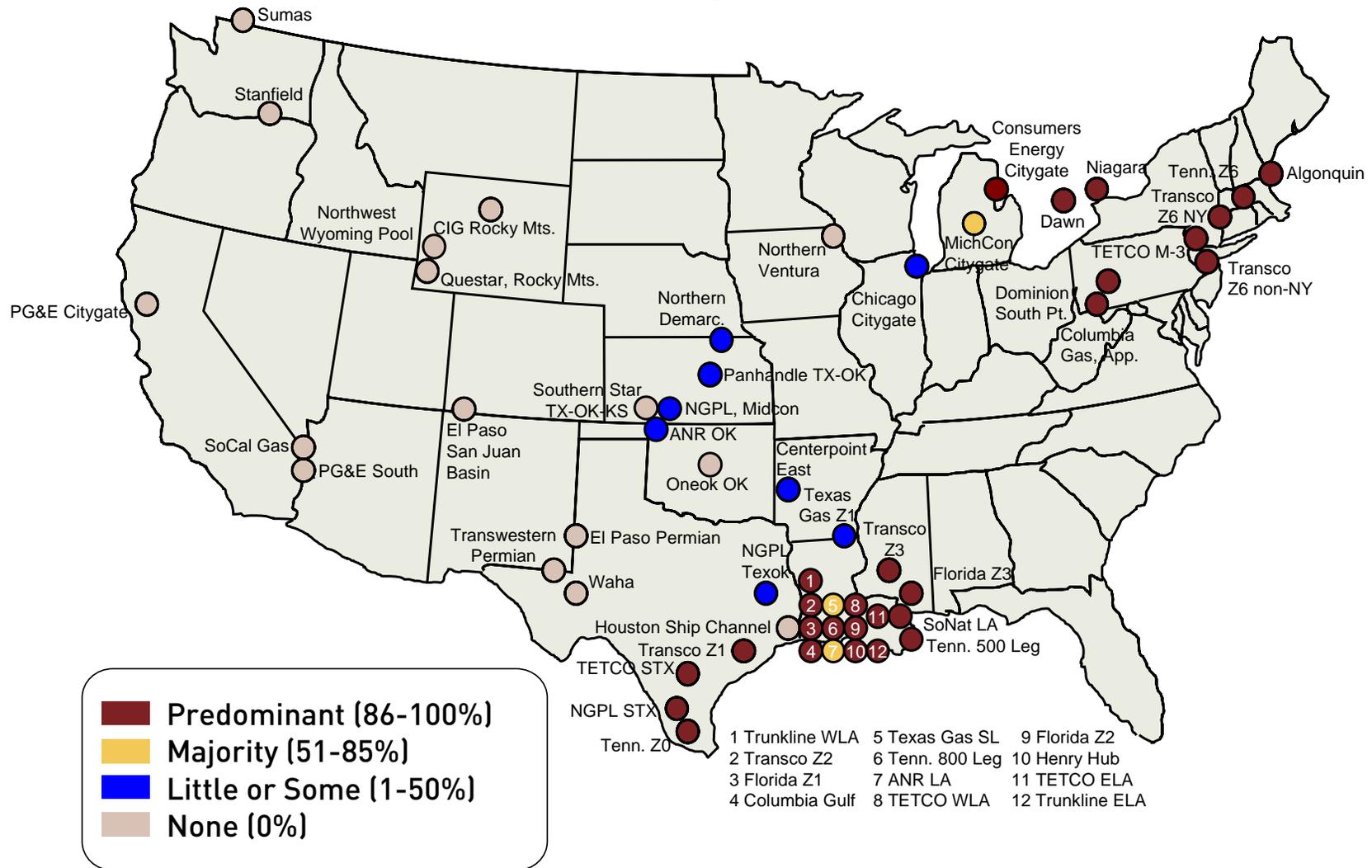
September 2007 NYMEX and ICE Contract Final Settlement Day



Source: Derived from Nymex and ICE data.

Created September 6, 2007

Use of Physical Basis in Natural Gas Price Indices at Major Trading Points, 2007



Source: Derived from *Platts* data for January through June 2007.

Updated July 17, 2007