# OE ENERGY MARKET SNAPSHOT

National Version – August 2008 Data

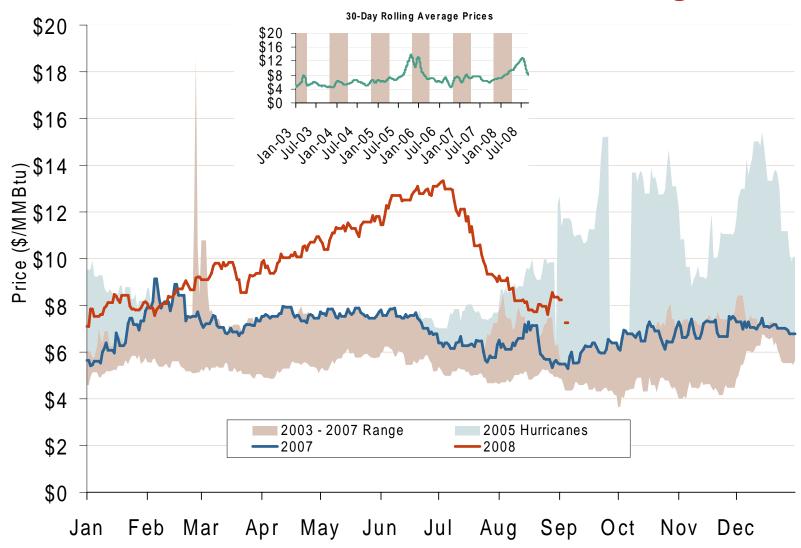
- Special Report
- Market Fundamentals
- Prices and Market Analysis

Office of Enforcement
Federal Energy Regulatory Commission
September 2008

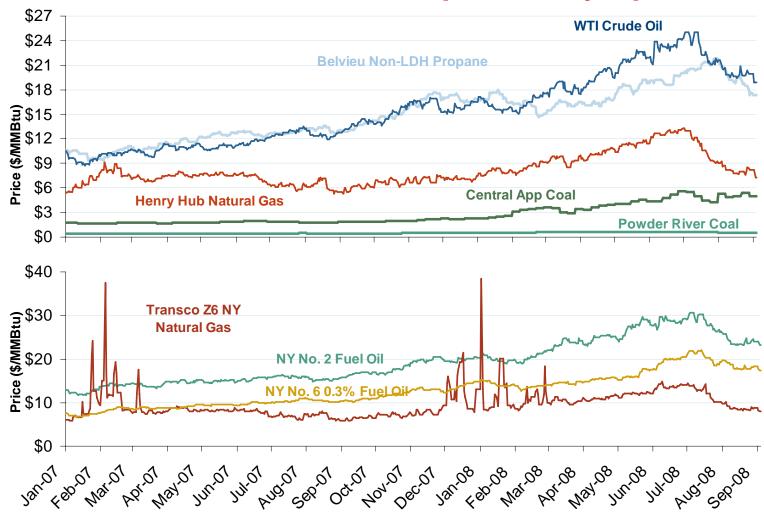
## Special Report:

Natural Gas Price Decline II

## Henry Hub Natural Gas Daily Spot Prices 2007, 2008 and 2003-2007 Year Range



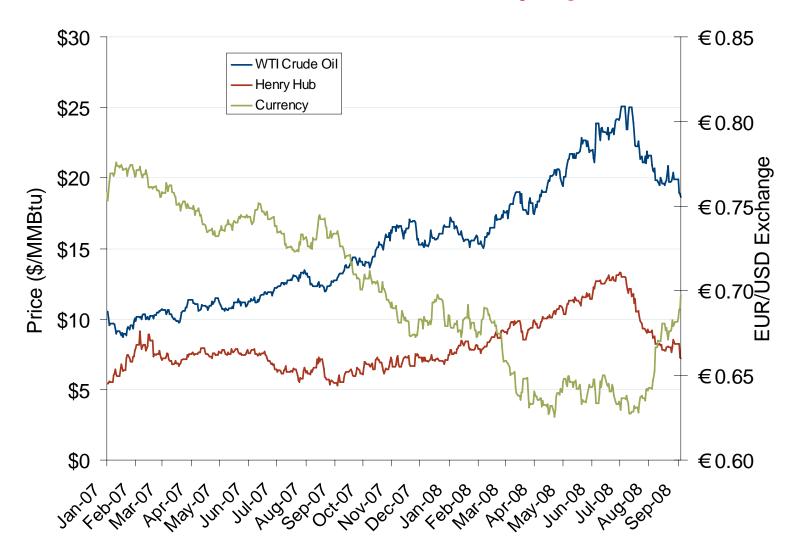
## Oil, Coal, Natural Gas and Propane Daily Spot Prices



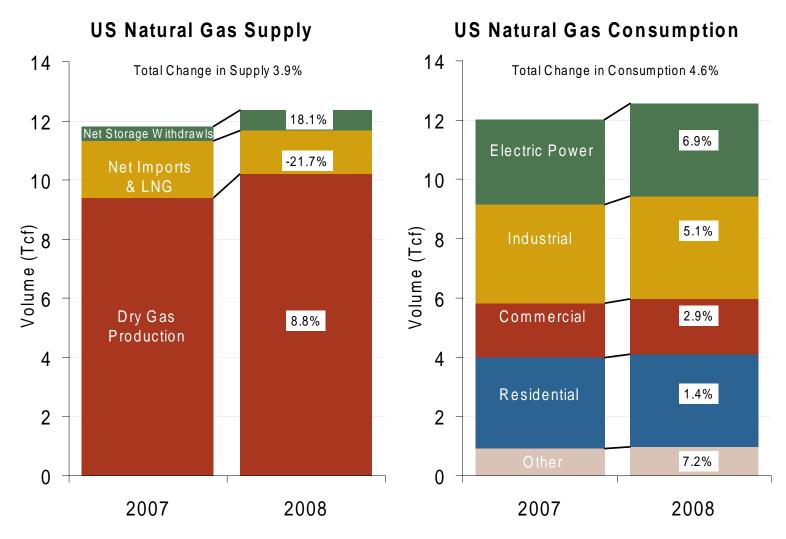
Source: Derived from ICE and Bloomberg data.

Note: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal.

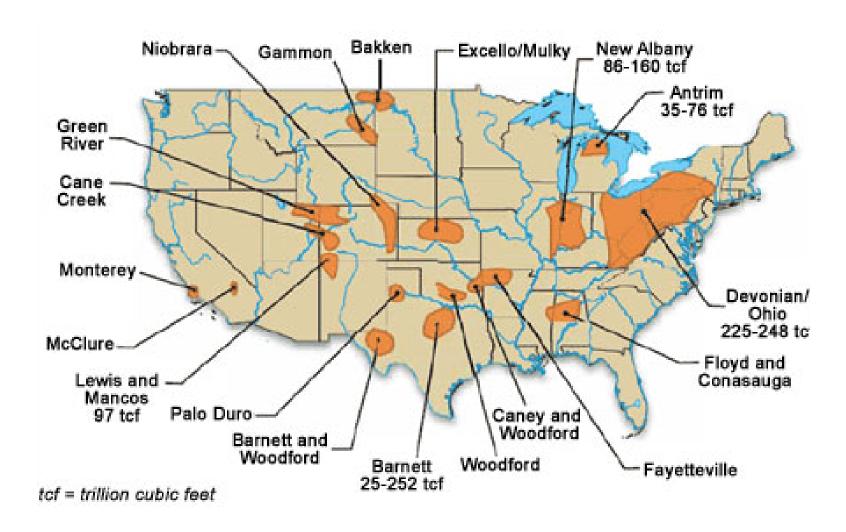
## Oil, Natural Gas and Currency Spot Prices



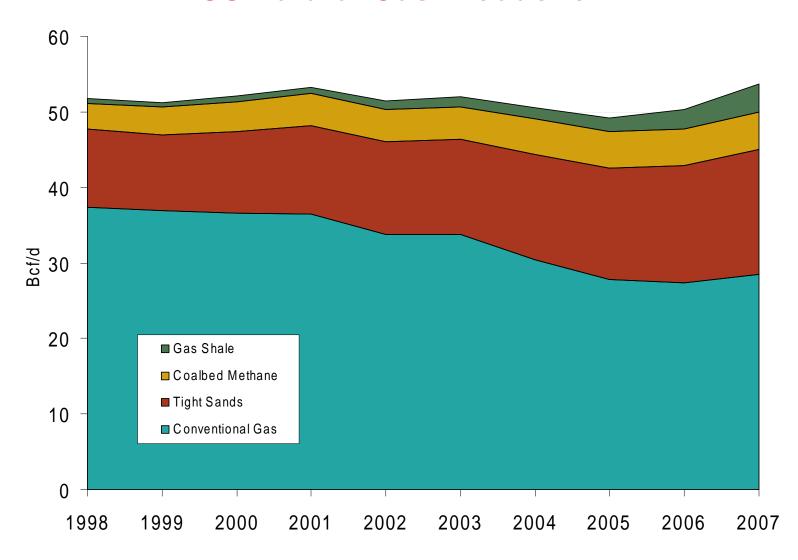
## U.S. Natural Gas Supply and Consumption Jan-Jun



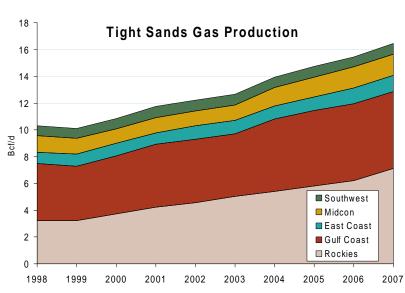
## **Major US Shale Basins**

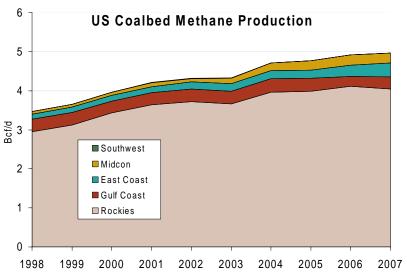


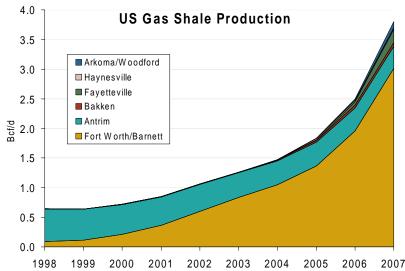
### **US Natural Gas Production**



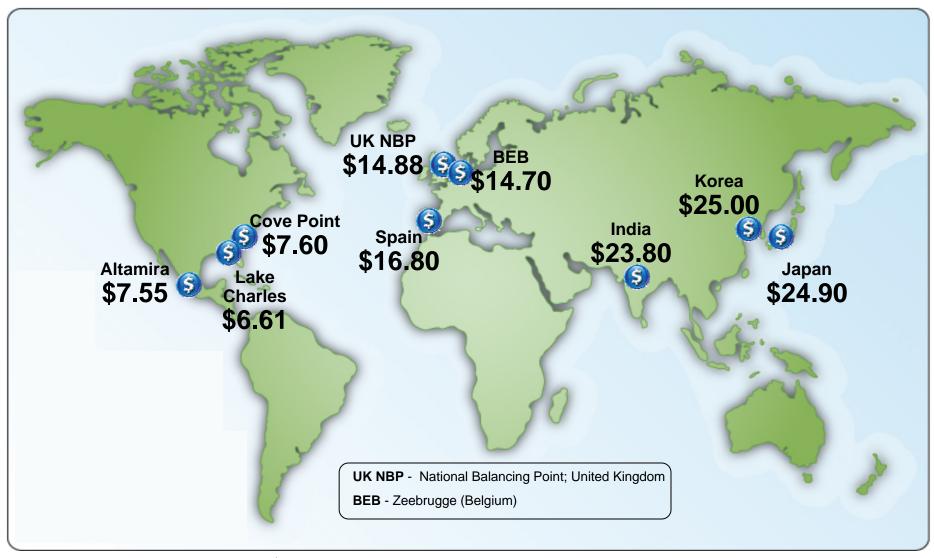
### "Unconventional" Natural Gas Production





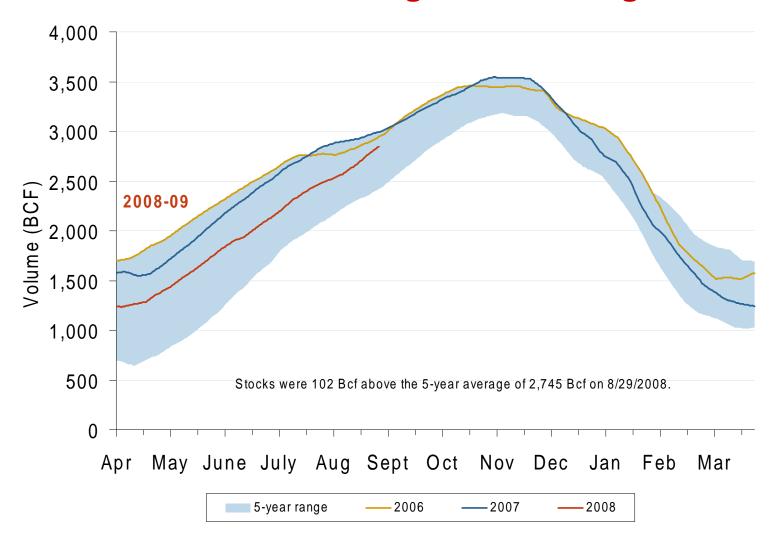


### **World LNG Landed Price Estimates for October 2008**

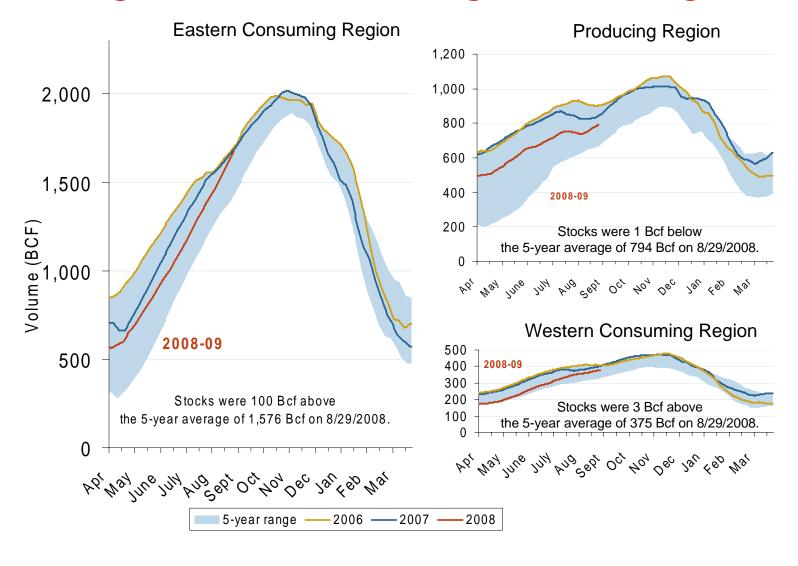


Source: Waterborne Energy, Inc. data in \$US/MMBtu.

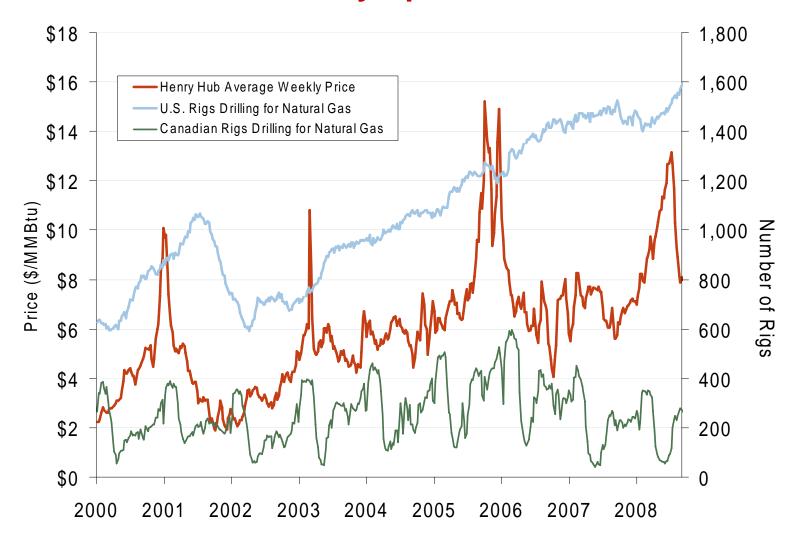
## **Total U.S. Working Gas in Storage**



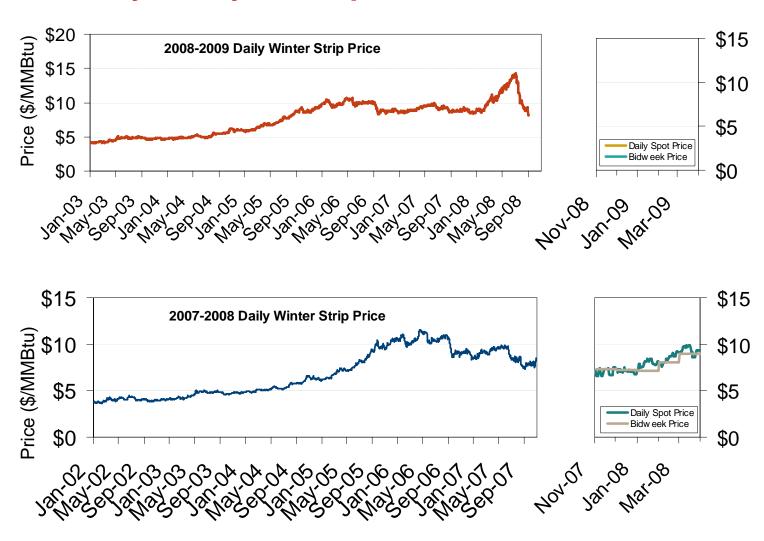
## Regional Totals of Working Gas in Storage



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

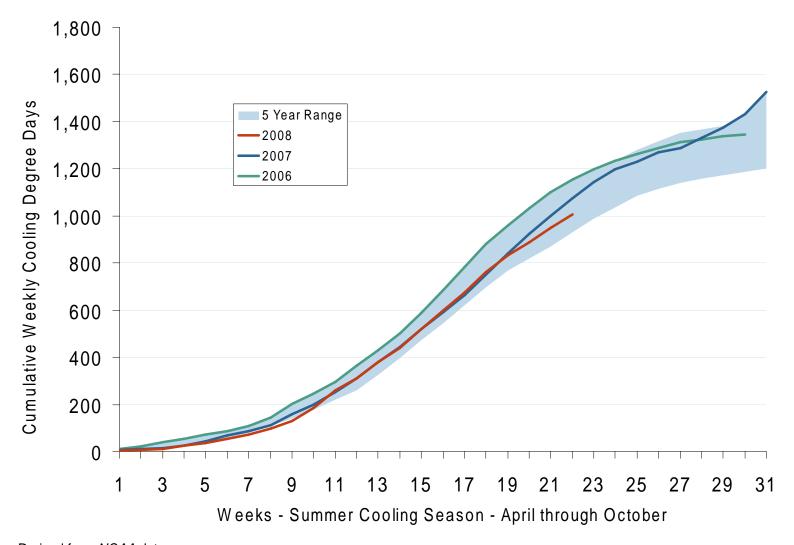


## Natural Gas Winter Futures Strip and Daily Henry Hub Spot and Bidweek Prices



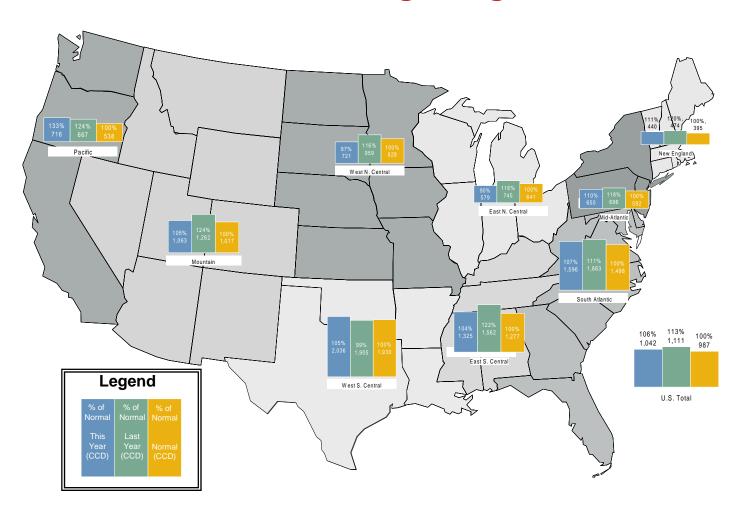
## Market Fundamentals

## **U. S. Summer Cumulative Cooling Degree Days**

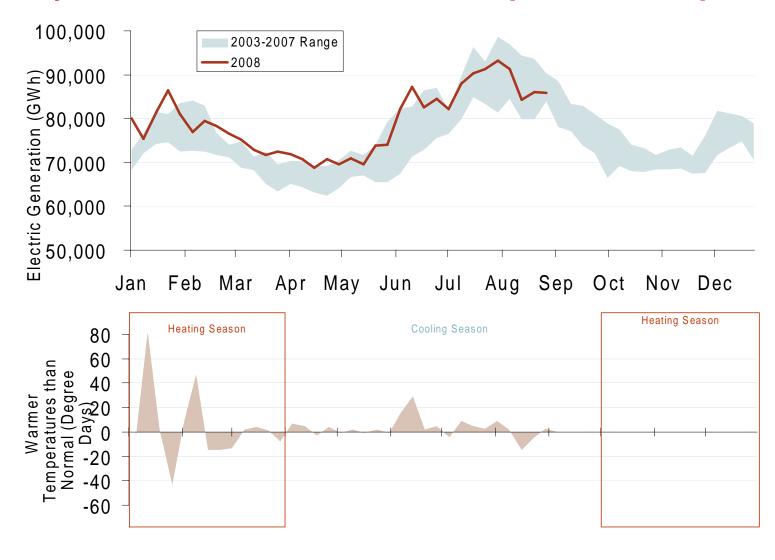


Source: Derived from NOAA data.

## Regional Cooling Degree Days 2008 Through August



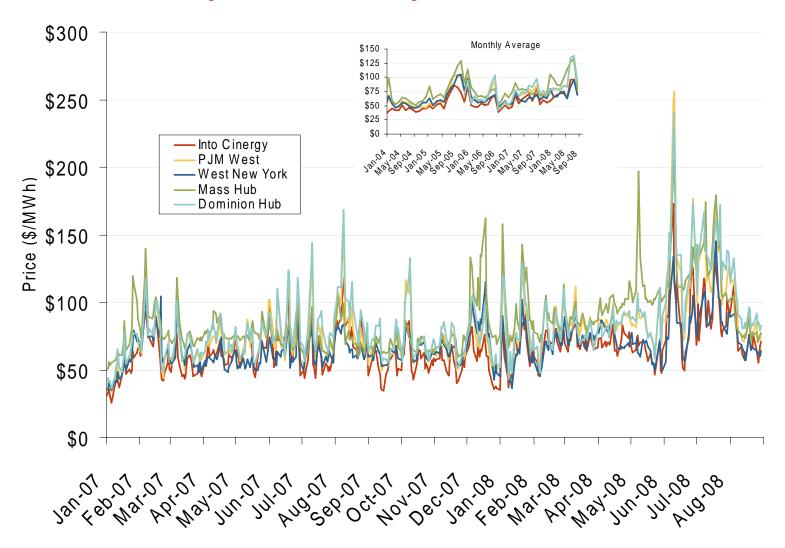
## Weekly U.S. Electric Generation Output and Temperatures



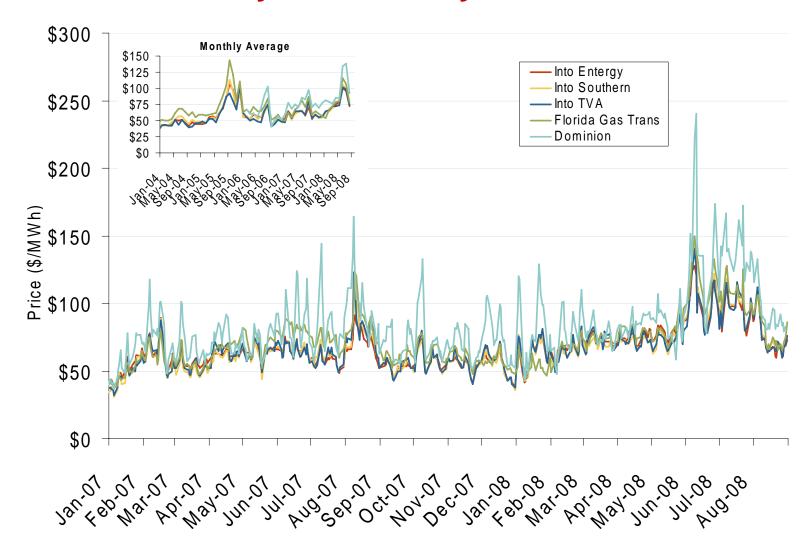
## Prices and Market Analysis

- Electric
- Natural Gas
- Other Markets

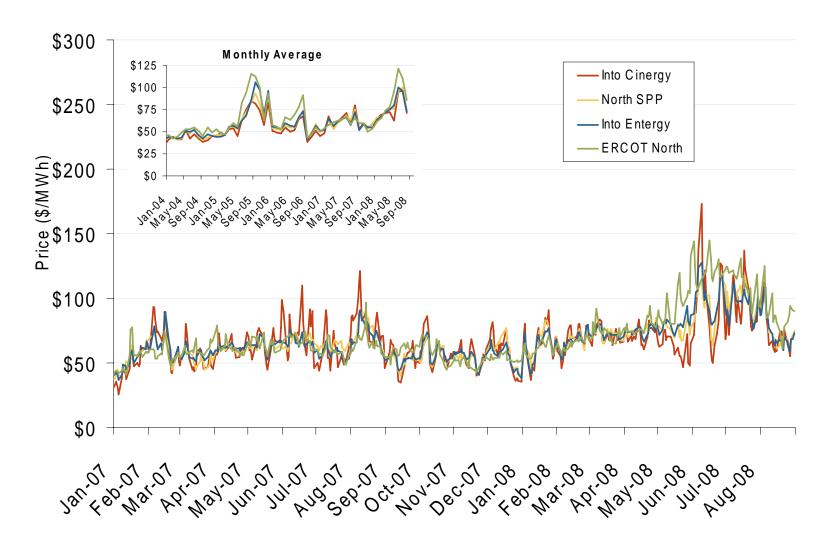
## Eastern Daily Bilateral Day-Ahead On-Peak Prices



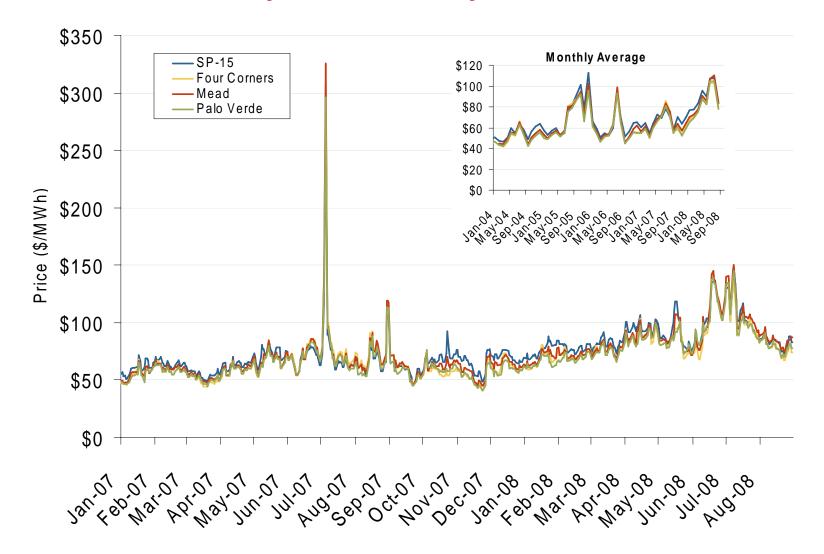
## Southeastern Daily Bilateral Day-Ahead On-Peak Prices



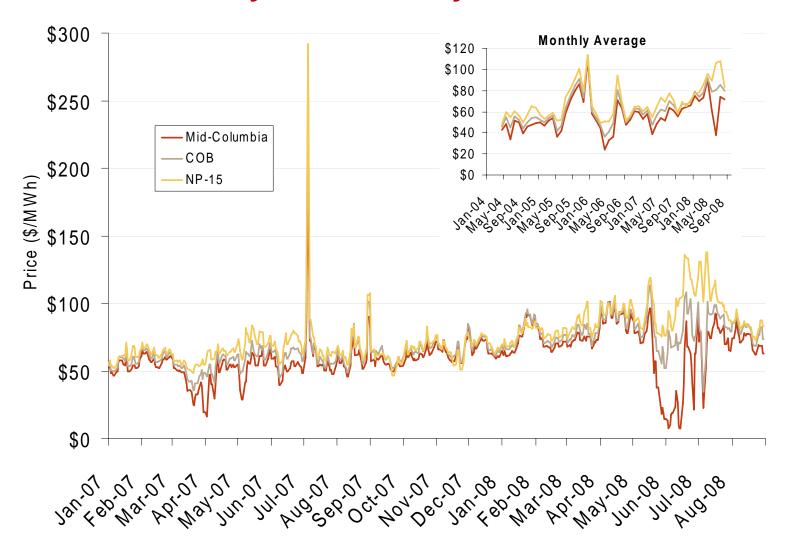
### **Central Daily Bilateral Day-Ahead On-Peak Prices**



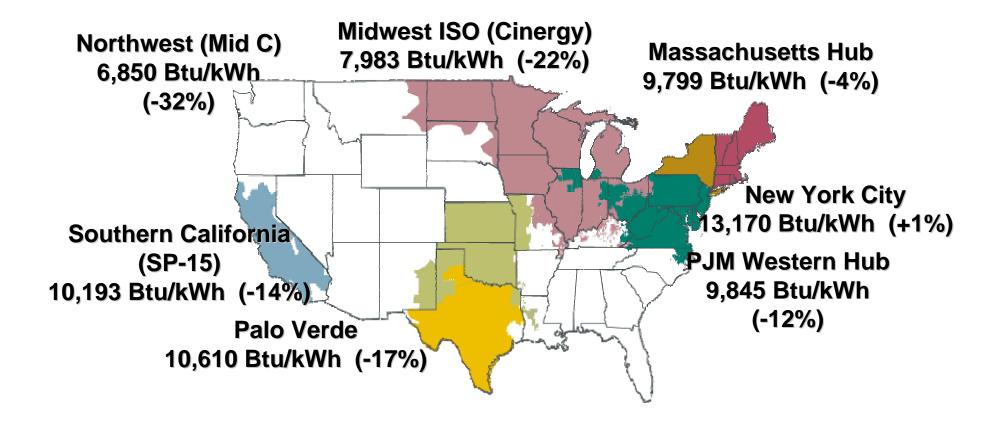
## Southwestern Daily Bilateral Day-Ahead On-Peak Prices



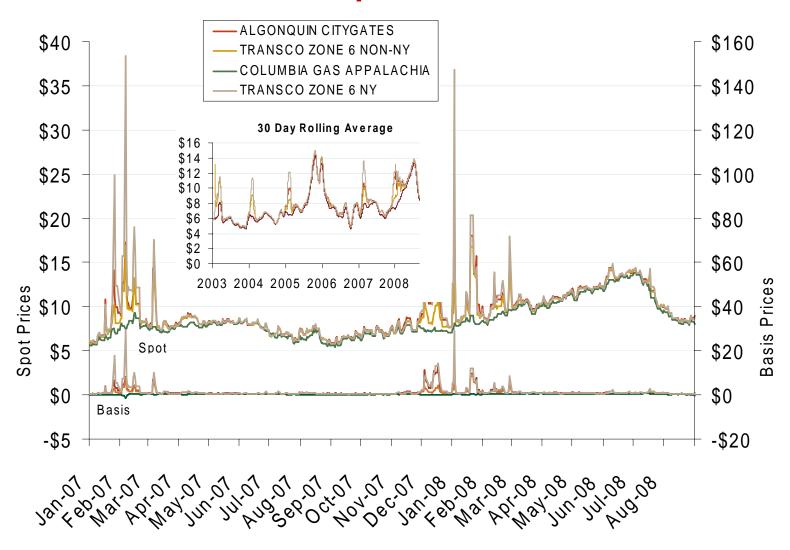
## Northwestern Daily Bilateral Day-Ahead On-Peak Prices



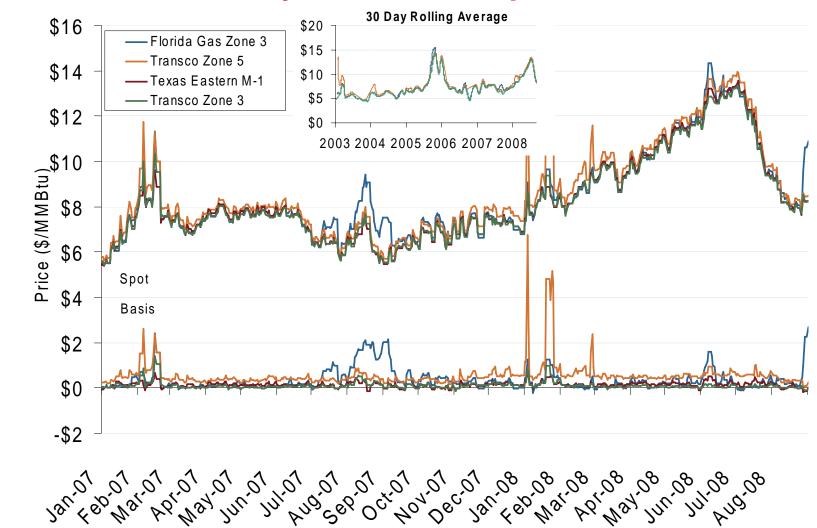
## June-August Implied Heat Rates, 2008 vs. 2007



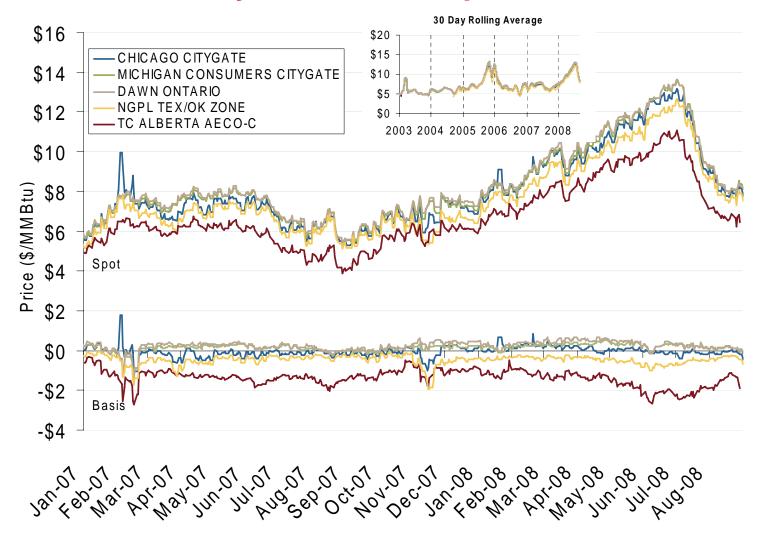
## **Northeastern Spot Prices and Basis**



## Southeastern Day-Ahead Hub Spot Prices and Basis



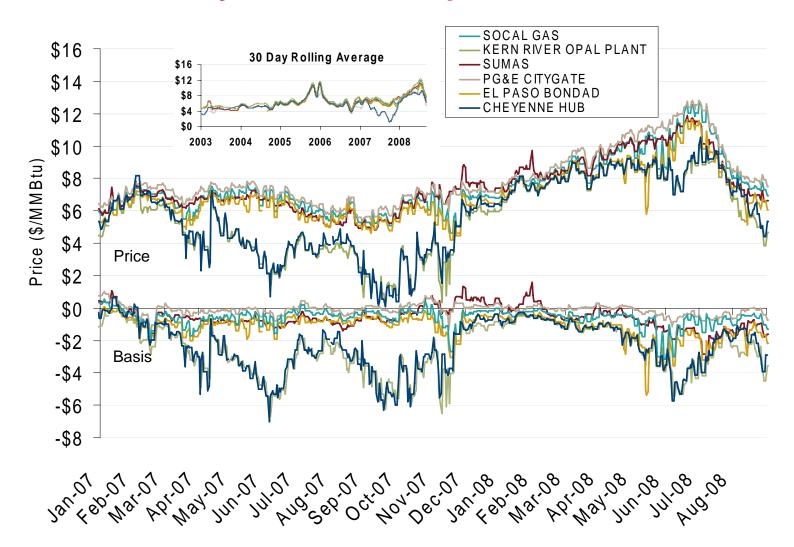
## Midwestern Day-Ahead Hub Spot Prices and Basis



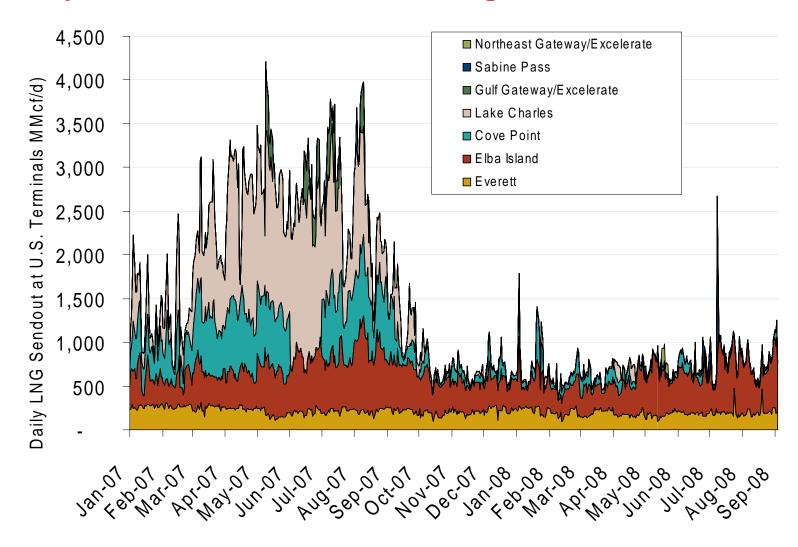
## South Central Day-Ahead Hub Spot Prices and Basis



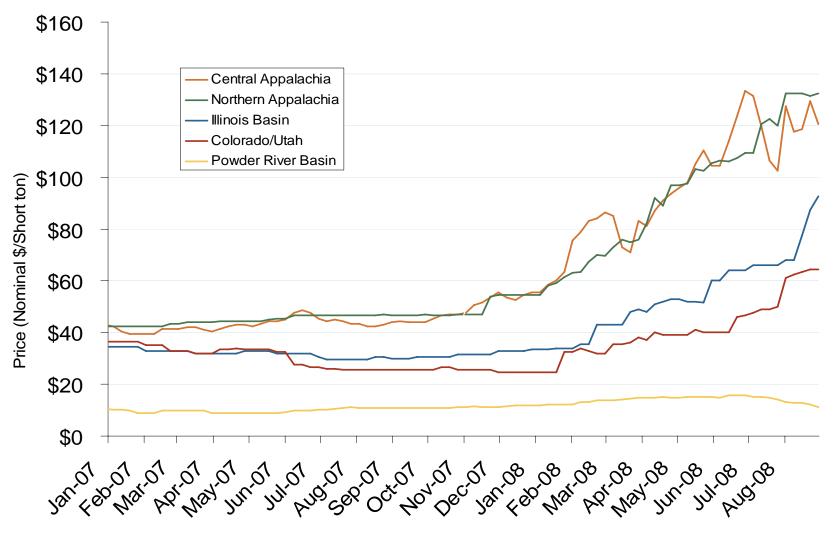
## Western Day-Ahead Hub Spot Prices and Basis



## Daily Gas Sendout from Existing U.S. LNG Facilities



## **Regional Coal Spot Prices**



Note: Does not reflect the delivered price of coal; excludes incremental cost of emissions allowances.

## **SO<sub>2</sub> Allowance Spot Prices** and NOx Seasonal Allowance Spot Prices



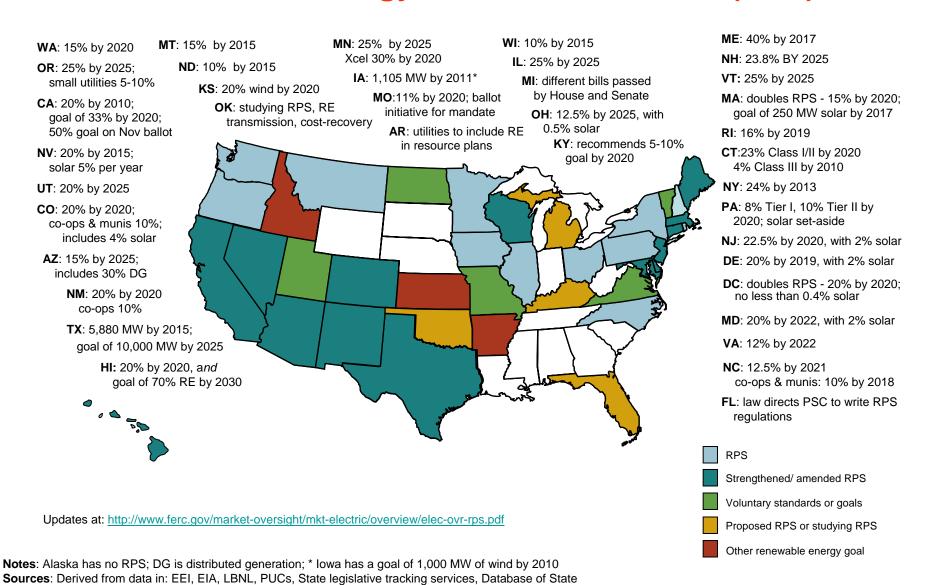
Source: Derived from Cantor Fitzgerald data.

Incentives for Renewables and Efficiency, and the Union of Concerned Scientists.

September 2008 National Snapshot Report

#### Federal Energy Regulatory Commission • Market Oversight @ FERC.gov

## Renewable Energy Portfolio Standards (RPS)



and legislative sites, trade press

#### Federal Energy Regulatory Commission • Market Oversight @ FERC.gov

## **Energy Efficiency Resource Standards (EERS)**

