

Energy Markets Report

Week of May 5 – May 9, 2008



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Summary of Energy Market Developments

- Electricity peak prices decreased \$5-9/MWh at the Palo Verde and SP 15 hubs but increased \$5-51/MWh at the other four hubs. The NEPOOL hub increased \$51/MWh due primarily to unplanned generation outages. ISO New England declared a “power watch” last Thursday by asking customers to conserve electricity due to the lack of supply. ERCOT prices increased \$27/MWh to its highest weekly price since summer 2006 due to a warming trend, higher load forecasts, and stronger spot gas prices (Platts, see pages 1 and 3).
- Gas prices at the Henry Hub increased \$0.17 to \$10.91/MMBtu. The last time spot gas prices were this high was in December 2005 – several months after Hurricanes Katrina and Rita hit the Gulf Coast (see pages 1 and 3). *(Continued next page)*

Major Market Indicators¹

Commodity

Electricity Production (bkWh)

Total U.S.

Commodity	Current Week	Last Four Weeks Totals	Last 52 Weeks
Electricity Production (bkWh)			
Total U.S.	69.55 ▼	279.85	4,112.05

Electricity Peak Prices (\$/MWh)

Entergy

ERCOT

NEPOOL

Palo Verde

PJM West

SP 15

Commodity	Current Week	Last Four Weeks Averages	Last 52 Weeks
Electricity Peak Prices (\$/MWh)			
Entergy	81.53 ▲	76.78	63.53
ERCOT	77.21 ▲	61.74	57.30
NEPOOL	160.22 ▲	116.29	83.95
Palo Verde	80.88 ▼	86.40	68.88
PJM West	90.71 ▲	87.20	77.20
SP 15	84.56 ▼	91.73	74.71

Natural Gas Prices (\$/MMBtu)

Henry Hub

Henry Hub	10.91 ▲	10.55	7.60
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Spark Spreads (\$/MWh @ 7,500 Btu/kWh)

Entergy / Henry

Entergy / Henry	-0.33 ▲	-2.32	6.54
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Oil Prices (\$/bbl)

Cushing OK WTI

Cushing OK WTI	115.42 ▼	114.50	85.81
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Allowance Prices (\$/Ton, Offer Price)

Sulfur Dioxide (SO₂)Nitrogen Oxide (NO_x)

Sulfur Dioxide (SO ₂)	339.00 ▼	357.81	517.63
Nitrogen Oxide (NO _x)	758.33 ▲	752.60	736.21

Uranium Spot Prices (\$/lb U3O8)

UxConsulting

TradeTech

UxConsulting	60.00 ▼	63.25	92.65
TradeTech	60.00 ▼	63.75	93.49



Summary of Energy Market Developments *(continued)*

- Estimated nuclear plant availability remained at 79 percent last week. Two units began refueling and five finished. Hatch 2 shut down briefly last week for scheduled maintenance (see pages 2 and 4).
- Uranium spot prices fell to \$60/lb U3O8 (see pages 1 and 3). The United States and Russia signed a bilateral Agreement for Peaceful Nuclear Cooperation (123 Agreement) on May 6, 2008, which sets the legal foundation for cooperation between the two countries in the peaceful uses of nuclear energy (UxC). Also on May 6, Areva selected a site in Idaho to build a centrifuge enrichment plant. The plant is expected to begin construction in 2011 and be online by 2014.

Energy Futures Markets²

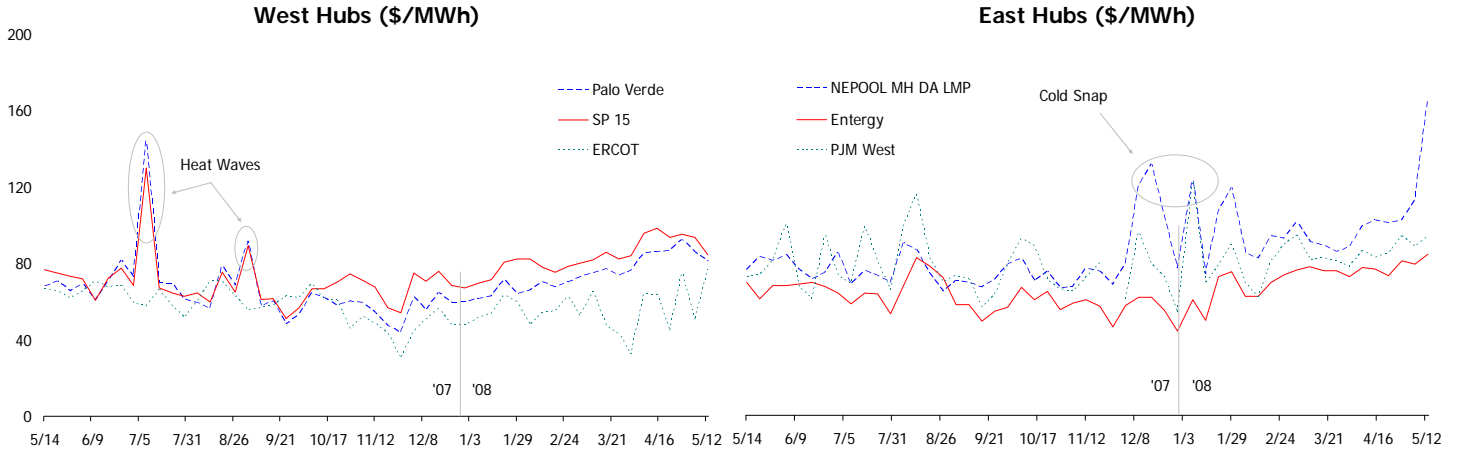
Commodity	Months Ahead		
	1 Jun-08	6 Nov-08	12 May-09
Electricity Futures (\$/MWh)			
AEP Dayton	83.96	74.88	69.23
NYISO A	88.36	97.40	79.03
Palo Verde	NA	NA	NA
PJM	105.38	89.63	89.31
SP 15	NA	NA	NA
Natural Gas Futures (\$/MMBtu)			
Henry Hub	11.29	11.83	10.05
Crude Oil Futures (\$/Barrel)			
Light Sweet Crude	123.00	120.91	118.38
EIA Forecasts			
Coal (\$/MMBTU)	1.89	1.84	1.94
Natural Gas (\$/MMBTU)	9.69	9.91	9.03
Fuel Oil (\$/MMBTU)	13.37	13.98	13.24
Electric Demand (Monthly, BkWh)	335.78	295.84	306.26

Nuclear Plant Outages

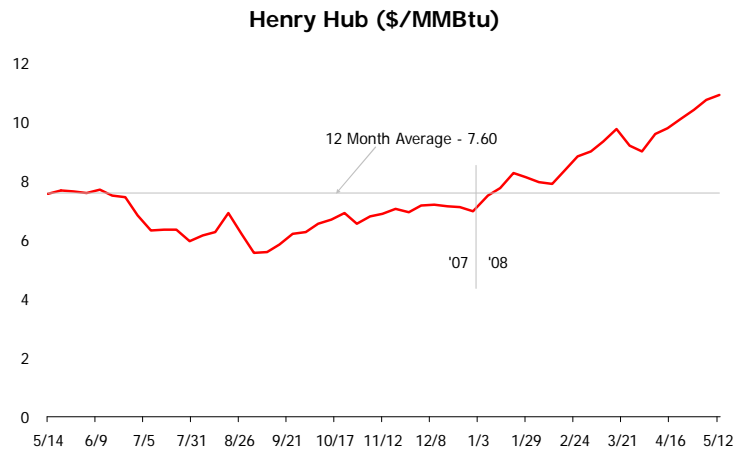
Refueling	Date Shutdown	Refueling	Date Shutdown
Salem 2	3/12 – 5/6	Ginna	4/21
Browns Ferry 3	3/19	Summer	4/26
Kewaunee	3/29 – 5/9	Surry 2	4/27
Palo Verde 2	3/29	Waterford 3	4/27
Turkey Point 4	3/31 – 5/9	Catawba 1	5/4
Seabrook 1	4/1 – 5/7	Sequoyah 2	5/5
Millstone 2	4/6	Maintenance	Date Shutdown
Point Beach 2	4/6 – 5/8	Wolf Creek 1	3/18
Cooper	4/12	San Onofre 3	4/17
Oconee 1	4/12	Fort Calhoun	4/20
Beaver Valley 2	4/14	Oyster Creek	4/26 – 5/3
Braidwood 2	4/21	Hatch 2	5/4 – 5/9



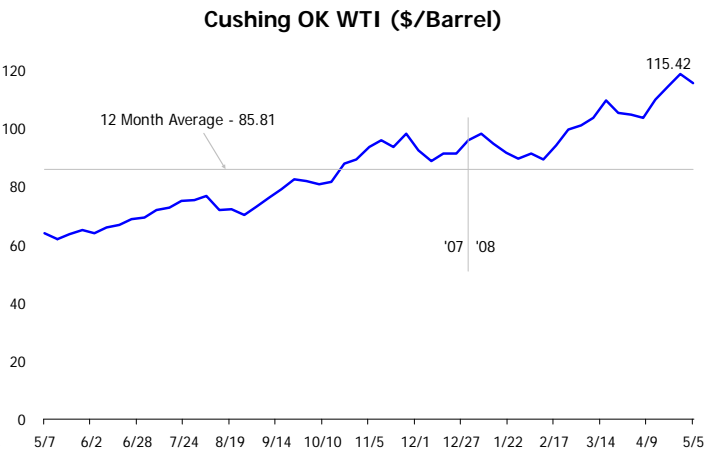
Electricity Day Ahead Trends



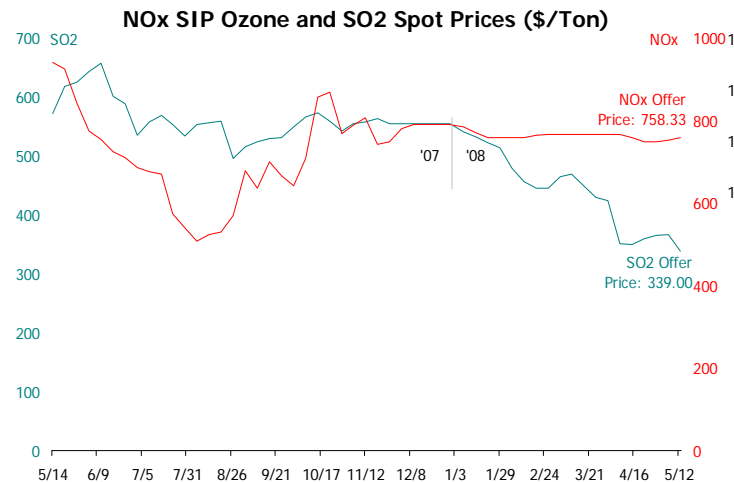
Natural Gas Trends



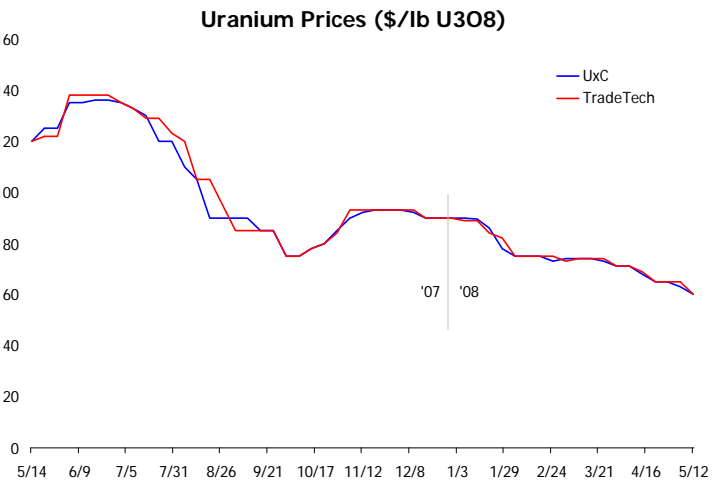
Crude Oil Trends



Allowance Price Trends



Uranium Price Trends





Nuclear Plant Availability by NERC Region (Percent, Dash Represents 100%)³

Region/Plant	May							Region/Plant	May						
	4	5	6	7	8	9	10		4	5	6	7	8	9	10
RFC								SERC							
Beaver Valley 1	-	-	-	-	-	-	-	Arkansas Nuclear One 1	87	87	87	-	-	-	-
Beaver Valley 2	0	0	0	0	0	0	0	Arkansas Nuclear One 2	-	-	-	-	-	-	-
Braidwood 1	-	-	-	-	-	-	-	Browns Ferry 1	-	-	-	-	-	-	-
Braidwood 2	0	0	0	0	0	0	0	Browns Ferry 2	-	-	-	-	-	-	-
Byron 1	-	-	-	-	-	-	-	Browns Ferry 3	0	0	0	0	0	0	0
Byron 2	-	-	-	-	-	90	-	Brunswick 1	87	-	-	-	-	-	-
Callaway	-	-	-	-	-	-	-	Brunswick 2	-	-	-	-	-	-	-
Calvert Cliffs 1	-	-	-	-	-	-	-	Catawba 1	0	0	0	0	0	0	0
Calvert Cliffs 2	-	-	-	-	-	-	-	Catawba 2	-	-	-	-	-	-	-
Clinton	97	97	97	97	97	97	96	Crystal River 3	-	-	-	-	-	-	-
D.C. Cook 1	-	-	-	-	-	-	-	Farley 1	-	-	-	-	-	-	93
D.C. Cook 2	-	-	-	-	-	-	-	Farley 2	-	-	-	-	-	-	-
Davis-Besse	-	-	-	-	-	-	-	Grand Gulf 1	-	-	-	-	-	-	-
Dresden 2	98	98	98	99	99	98	98	Harris 1	-	-	-	-	-	-	-
Dresden 3	81	98	98	99	99	99	98	Hatch 1	-	-	-	-	-	-	-
Fermi 2	-	-	-	-	-	-	-	Hatch 2	0	0	0	1	0	2	16
Hope Creek 1	95	-	-	-	-	-	-	McGuire 1	-	-	-	-	-	-	-
Kewaunee	0	0	0	0	0	0	28	McGuire 2	-	-	-	-	-	-	-
La Salle 1	-	-	-	-	-	-	-	North Anna 1	-	-	-	-	-	-	-
La Salle 2	-	-	-	-	-	-	-	North Anna 2	-	-	-	-	-	-	-
Limerick 1	-	-	-	-	-	-	-	Oconee 1	0	0	0	0	0	0	0
Limerick 2	-	-	-	-	-	-	-	Oconee 2	-	-	-	-	-	-	-
Oyster Creek	-	-	-	-	-	-	-	Oconee 3	-	-	-	-	-	-	-
Palisades	-	-	-	-	-	-	-	River Bend 1	-	-	-	-	-	-	63
Peach Bottom 2	85	-	-	-	-	-	81	Robinson 2	-	-	-	-	-	-	-
Peach Bottom 3	-	-	-	-	-	-	-	Saint Lucie 1	-	-	-	-	-	-	-
Perry 1	-	-	-	-	-	-	-	Saint Lucie 2	-	-	-	-	-	-	-
Point Beach 1	-	-	-	-	-	-	-	Sequoyah 1	-	-	-	-	-	-	-
Point Beach 2	0	0	0	0	0	1	12	Sequoyah 2	81	0	0	0	0	0	0
Quad Cities 1	97	97	97	97	97	97	97	Summer	0	0	0	0	0	0	0
Quad Cities 2	96	96	96	97	96	96	97	Surry 1	-	-	-	-	-	-	-
Salem 1	-	-	-	-	-	-	-	Surry 2	0	0	0	0	0	0	0
Salem 2	0	0	0	1	15	36	1	Turkey Point 3	-	-	-	-	-	-	-
Susquehanna 1	92	91	91	94	94	94	94	Turkey Point 4	0	0	0	0	0	0	1
Susquehanna 2	-	-	99	-	-	-	-	Vogtle 1	-	-	-	-	-	-	-
Three Mile Island 1	-	-	-	-	-	-	-	Vogtle 2	98	98	98	98	98	98	98
								Waterford 3	0	0	0	0	0	0	0
MRO								Watts Bar 1	-	-	-	-	-	-	-
Cooper	0	0	0	0	0	0	0	SPP/ERCOT							
Duane Arnold	98	98	98	98	98	98	98	Comanche Peak 1	-	-	-	-	-	-	-
Fort Calhoun	0	0	0	0	0	0	0	Comanche Peak 2	-	-	-	-	-	-	-
Monticello	-	-	-	-	-	-	-	South Texas 1	-	-	-	-	-	-	-
Prairie Island 1	-	-	-	-	-	-	-	South Texas 2	-	-	-	-	-	-	-
Prairie Island 2	-	-	-	-	-	-	-	Wolf Creek 1	0	0	0	0	0	0	0
NPCC								WECC							
FitzPatrick	-	52	55	55	86	90	85	Columbia	-	-	-	-	-	-	-
Ginna	0	0	0	0	0	0	0	Diablo Canyon 1	-	-	-	-	-	-	-
Indian Point 2	-	-	-	-	-	-	-	Diablo Canyon 2	-	-	-	-	-	-	-
Indian Point 3	-	-	-	-	-	-	-	Palo Verde 1	-	-	-	-	-	-	-
Millstone 2	0	0	0	0	0	0	0	Palo Verde 2	0	0	0	0	0	0	0
Millstone 3	-	-	-	-	-	-	-	Palo Verde 3	99	-	-	-	-	-	-
Nine Mile Point 1	-	-	-	-	-	-	-	San Onofre 2	-	-	-	-	-	-	-
Nine Mile Point 2	-	-	-	-	-	-	-	San Onofre 3	0	0	0	0	0	0	0
Pilgrim 1	-	90	-	-	-	-	-	U.S. Average	79	78	78	78	79	79	79
Seabrook 1	0	0	0	0	14	38	74								
Vermont Yankee	-	-	-	-	-	-	-								

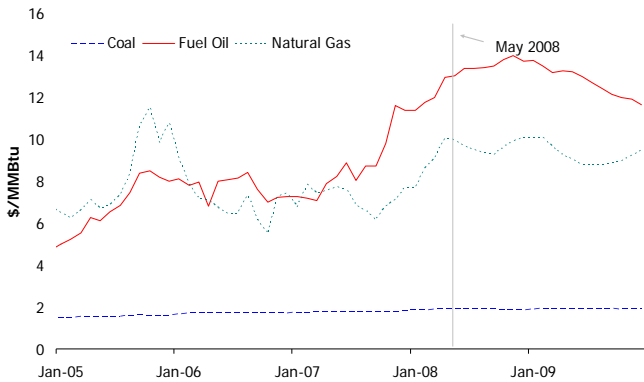


Planned Generating Capacity (2008 – 2012)⁴

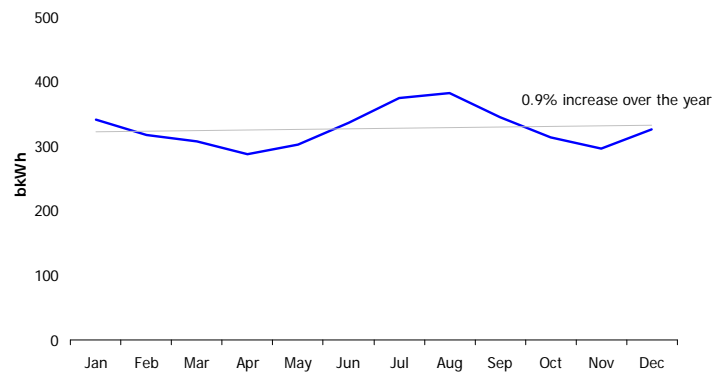
	Status	Energy Source					Total
		Natural Gas	Coal	Wind	Other Renewables	Petroleum	
Nameplate Capacity (MW)	Planned	40,424	20,797	37,296	11,106	2	109,624
	Under Construction	17,550	18,996	6,000	757	0	43,304
	Total	57,974	39,794	43,296	11,863	2	152,928
Number of Units	Planned	248	60	343	322	4	977
	Under Construction	82	61	92	48	0	283
	Total	330	121	435	370	4	1,260

EIA Short Term Energy Outlook Trends

Fuel Cost to Electric Utilities



2008 Projected Electricity Generation



¹ Sources: Electricity prices - Global Energy Decisions, Intercontinental Exchange (ICE). Electricity data are peak prices. Electricity production - Edison Electric Institute's Weekly Electric Output Report. Natural gas prices, spark spreads and oil prices - Global Energy Decisions, Intercontinental Exchange (ICE). Spark spreads are calculated for the listed hub as electricity price minus natural gas generation cost. The natural gas generation cost is calculated for the listed hub as hub price times the noted heat rate (7,500 Btu/kWh). Allowance prices - Global Energy Decisions, Cantor Fitzgerald. Electricity production and oil prices lag one week from rest of data. Arrows indicate the increase or decrease in price/production from the previous week.

² Sources: Electricity, natural gas and crude oil futures - Global Energy Decisions, NYMEX, Clearport Futures. Forecasts - EIA's Short Term Energy Outlook – May 2008.

³ Nuclear plant availability is a daily estimate of the reactor's thermal power output provided by the Nuclear Regulatory Commission and captured by Global Energy Decisions. Plant highlights are from Platts' Megawatt Daily and Nuclear News Flashes. The NERC Regions are: RFC - Reliability First Council, MRO - Midwest Reliability Organization, NPCC - Northeast Power Coordinating Council, SERC - Southeast Electric Reliability Council, SPP - Southwest Power Pool, ERCOT - Electric Reliability Council of Texas, WECC - Western Electric Coordinating Council.

⁴ Planned generating capacity is from Global Energy Decisions. "Planned" includes units that are planned, have filed for permit(s), have application(s) pending, or are undergoing a feasibility study. "Under construction" means units that are under test conditions, under construction, or have site preparation underway.

Energy Markets Report is produced weekly by The Nuclear Energy Institute's Policy Development Division.

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