

# Kentucky Department for Energy Development and Independence Energy Watch

*A snapshot of state and national energy issues*



## ***TVA seeks renewable energy emphasis; Alexander and Corker push back***

As the Tennessee Valley Authority is developing plans for meeting energy demands in its future, U.S. Sens. Lamar Alexander and Bob Corker, R-Tenn., are pushing the utility to steer clear of renewable power. Alexander and Corker hosted a roundtable discussion on TVA's future plans in Knoxville on Monday. (<http://m.thedaileytimes.com> May 18, 2015)

## ***Energy efficiency increasingly plays central role on campus***

For the last seven years or so, Eastern has quietly improved its energy efficiency – to the tune of more than \$2 million in savings. Flying under the radar of the majority of Eastern students has been a contract to improve buildings' energy efficiency, the overall effectiveness of New Hall and the New Science Building and a plan set in place this year for the next 10 years. ([www.easternprogress.com](http://www.easternprogress.com) April 22, 2015)

## ***EIA launches redesigned International Energy Portal***

On May 18, EIA launched a beta version of a redesigned International Energy Portal designed to help users access international energy data and to provide new and expanded tools and capabilities to examine trends in global energy markets. ([www.eia.gov](http://www.eia.gov) May 19, 2015)

## ***Public Power “Big Dog” TVA Takes Fresh Approach to Resource Planning***

At the Tennessee Valley Authority (TVA), generation transitions are nothing new. The nation's largest public power system—with 34 GW of generating capacity, supplying retail distributors with nine million customers in seven states (Alabama, Georgia, Kentucky, Mississippi, North Carolina, Tennessee, and Virginia) and about \$11 billion in annual sales—TVA has gone through repeated changes in its generation profile over its 82-year history. ([www.powermag.com](http://www.powermag.com) May 18, 2015)

## ***ARPA-E Announces \$60 Million in New Funding***

The Department of Energy's (DOE's) Advanced Research Projects Agency-Energy (ARPA-E) on May 14 announced \$60 million in funding for 23 new projects to foster new technologies in dry cooling and fusion power. The Advanced Research In Dry cooling (ARID) initiative, one of ARPA-E's newest projects, will provide \$30 million to support 14 project teams developing high-efficiency air-cooled heat exchangers and new types of cooling systems. ([www.powermag.com](http://www.powermag.com) May 18, 2015)

## ***US ethanol production rates make biggest weekly gain in two years: EIA***

US ethanol production for the week ended May 15 soared 46,000 b/d to 958,000 b/d, the biggest weekly gain in two years, Energy Information Administration data showed Wednesday. US ethanol stocks rose 135,000 barrels to 20.434 million barrels, up from a four-month low and reversing course on a three-week decline. ([www.platts.com](http://www.platts.com) May 20, 2015)

## ***Eaton Helps Kentucky Power State's Largest Solar Installation at Fort Campbell to Advance Sustainability and Energy Security***

Power management company Eaton today announced multiple contracts to provide engineering services, a solar inverter, and electrical distribution equipment for a 1.9-megawatt (MW) solar project at Fort Campbell in Kentucky. The project is the first phase of a planned 5 MW solar array that will help the U.S. Army installation reduce operating costs while contributing to the renewable energy goals and energy independence. (<http://finance.yahoo.com> May 20, 2015)

## ***Virtual tour offers timeline of Kentucky's energy history***

The timeline features videos and pictures that allow viewers to explore Kentucky's historical energy events. It stretches from 1750 with the first discovery and use of coal to December 2014 when the first utility solar generating facility was approved for Mercer County. The virtual tour was released by the Kentucky Department for Energy Development and Independence (<http://energy.ky.gov>). ([www.wlky.com](http://www.wlky.com) May 13, 2015)

## ***Kentucky Adopts Innovative PACE Clean Energy Financing Tool***

In a surprising show of bi-partisanship, lawmakers in one of the nation's more conservative states came together last month to approve a major victory for clean energy. Kentucky became the latest state in the country to approve PACE (Property-Assessed Clean Energy). (<http://theenergycollective.com> May 17, 2015)

## ***New wind energy technology unlocks opportunity in all 50 states***

New wind resource maps reveal the ability for advanced wind turbine designs to reach stronger winds higher above the ground. This would unlock a previously untapped wind resource area thereby stimulating wind energy development in every US state. ([www.renewableenergymagazine.com](http://www.renewableenergymagazine.com) May 19, 2015)

Kentucky Retail Fuel Prices (Dollars per gallon)

Product	5/21/2015	5/14/2015	5/7/2015	4/30/2015	Year Ago
<b>Gasoline (State avg.)</b>	\$ 2.73	\$ 2.68	\$ 2.65	\$ 2.58	\$ 3.64
Ashland	\$ 2.77	\$ 2.61	\$ 2.67	\$ 2.57	\$ 3.76
Covington	\$ 2.84	\$ 2.67	\$ 2.67	\$ 2.56	\$ 3.81
Lexington	\$ 2.76	\$ 2.66	\$ 2.52	\$ 2.57	\$ 3.71
Louisville	\$ 2.83	\$ 2.77	\$ 2.78	\$ 2.62	\$ 3.82
Owensboro	\$ 2.58	\$ 2.42	\$ 2.51	\$ 2.46	\$ 3.60
<b>Diesel (State avg.)</b>	\$ 2.88	\$ 2.86	\$ 2.84	\$ 2.81	\$ 3.93
Ashland	\$ 2.78	\$ 2.75	\$ 2.74	\$ 2.72	\$ 3.95
Covington	\$ 2.82	\$ 2.78	\$ 2.77	\$ 2.77	\$ 3.99
Lexington	\$ 2.81	\$ 2.78	\$ 2.77	\$ 2.76	\$ 4.00
Louisville	\$ 2.76	\$ 2.74	\$ 2.72	\$ 2.71	\$ 3.97
Owensboro	\$ 2.75	\$ 2.70	\$ 2.70	\$ 2.70	\$ 3.99

Note: The record high average price for gasoline in Kentucky is \$4.089, reported on July 10, 2008.  
 Source: Gasoline (unleaded regular) & Diesel: National AAA,

Spot Prices	5/21/2015	5/11/2015	5/7/2015	4/29/2015	Year Ago
Crude Oil (Dollars per barrel) <i>West Texas Intermediate, fob</i>	\$ 59.44	\$ 59.23	\$ 58.92	\$ 55.56	\$ 104.31
MMBtu <i>Henry-Hub</i>	\$ 3.01	\$ 2.85	\$ 2.72	\$ 2.50	\$ 4.42
Coal Price (dollars per short ton) <i>Central Appalachia</i>	\$ 52.85	\$ 52.85	\$ 52.85	\$ 52.88	\$ 62.17
Coal Price (dollars per short ton) <i>Illinois Basin</i>	\$ 40.45	\$ 40.45	\$ 40.45	\$ 40.77	\$ 46.02

Sources: <https://www.quandl.com/#/c/markets/coal> [http://www.eia.gov/dnav/pet/pet\\_pri\\_spt\\_s1\\_d.htm](http://www.eia.gov/dnav/pet/pet_pri_spt_s1_d.htm) [http://ycharts.com/indicators/natural\\_gas\\_spot\\_price](http://ycharts.com/indicators/natural_gas_spot_price)

Futures		June 2015	July 2015	August 2015
Crude Oil (Dollars per barrel) <i>Light Sweet Crude Oil</i>	5/20/2015	\$ 58.98	\$ 59.47	\$ 59.75
	5/13/2015	\$ 60.50	\$ 61.49	\$ 61.99
	5/6/2015	\$ 60.93	\$ 62.00	\$ 62.56
Natural Gas (Dollars per MMBtu) <i>Henry-Hub</i>	5/20/2015	\$ 2.92	\$ 2.96	\$ 2.98
	5/13/2015	\$ 2.94	\$ 2.98	\$ 3.01
	5/6/2015	\$ 2.78	\$ 2.83	\$ 2.85
Propane (Dollars per gallon) <i>Mt Belvieu (OPIS)</i>	5/20/2015	\$ 0.46	\$ 0.47	\$ 0.48
	5/13/2015	\$ 0.51	\$ 0.52	\$ 0.53
	5/6/2015	\$ 0.52	\$ 0.52	\$ 0.53

Source: CME Group

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