

# KENTUCKY



PROJECT NAME	TYPE
Cash Creek IGCC Plant	Coal
East Kentucky Power Cooperative, Clark County	Coal
Estill County Energy Partners	Coal
Kentucky Mountain Power – Knott County	Coal
Louisville Gas & Electric, Trimble County Plant	Coal
Peabody Energy, NewGas Energy Center	Coal
Peabody Energy, Thoroughbred Generating Station	Coal

## Economic Overview

Population (2009 in thousands)	4,314
Personal Income per Capita (2009)	\$31,883
Employment (Aug 2010 in thousands)	1,862.0
Unemployment Rate (Aug 2010)	10.0%
Change in Jobs (Jan. 2008 – Aug. 2010)	-102,600
All State Government Expenditures	\$25.4 bn

## Electricity Costs (cents/kilowatt hour)

Residential (June 2010)	8.38
Commercial (June 2010)	7.64

## Benefits from Proposed Energy Projects

### Upfront Investment (total of all projects)

Total Economic Output (in PDV)	\$16,200,000,000
Employment Earnings (in PDV)	\$4,900,000,000
Average Annual Jobs	29,400

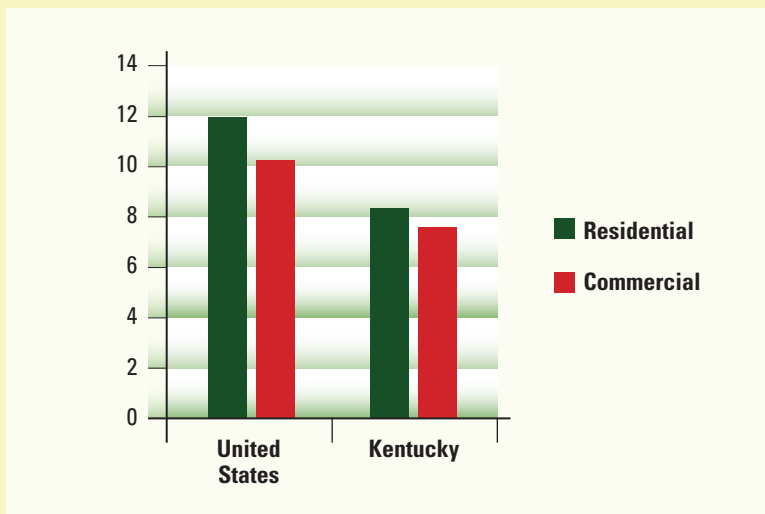
### First Year of Operations (total of all projects)

Total Economic Output (in PDV)	\$2,900,000,000
Employment Earnings (in PDV)	\$700,000,000
Average Jobs Created in Year 1	16,800

## Example Project

### Peabody Energy, Thoroughbred Generating Station

Peabody Energy proposed to build two 750-MW pulverized coal-burning plants at its Thoroughbred Campus in Muhlenberg County. The plant was designed to burn Western Kentucky high-sulfur coal from a mine adjacent to the plant. The Sierra Club and Valley Watch challenged the Clean Air Act permit for the plant. In 2005, a state hearing officer upheld the appeal and remanded the permit. However, this decision was overturned in April 2006 by the Environmental and Public Protection Cabinet Secretary, and the appeal challenging the air permit was denied. In October 2006, a coalition of environmental groups, including the Sierra Club, Valley Watch, National Parks Conservation Association, and the Natural Resources Defense Council, filed a petition with the U.S. EPA. After continued litigation, Peabody withdrew its air permit application in December 2008 for the Thoroughbred Generating Station and announced that it would partner with ConocoPhillips to seek to build a coal-to-gas plant at the site.



**U.S. vs. Kentucky Electricity Costs**  
(cents/kilowatt hours)