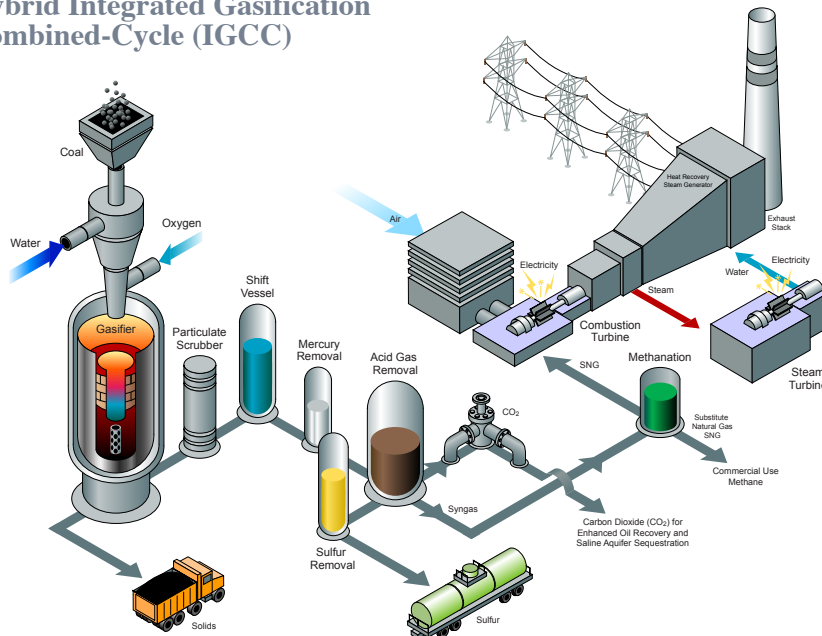


# TAYLORVILLE ENERGY CENTER — Fact Sheet

## Hybrid Integrated Gasification Combined-Cycle (IGCC)



The Taylorville Energy Center's hybrid IGCC (Integrated Gasification Combined-Cycle) technology allows coal to be used to generate power as cleanly as natural gas.

**Taylorville Energy Center (TEC)** will generate electricity using Hybrid Integrated Gasification Combined-Cycle (Hybrid IGCC) technology and will be among the most environmentally friendly coal-fueled facilities in the world.

Hybrid IGCC technology will help the United States achieve energy independence by allowing production of electricity from Illinois' abundant coal reserves, while ensuring a clean environment.

### Economic Impact

- TEC will use more than 1.5 million tons of coal annually from Illinois mines.
- Development will create a multibillion dollar investment in the region's economy during construction and generate more than \$350 million annually once the plant is in operation.
- Construction will create more than 1,500 jobs with hundreds of permanent coal mining and power plant jobs.
- Several hundred additional area jobs will be created in industries like manufacturing, healthcare, retail and professional services.

### Environmental Effects

TEC will use state-of-the-art technologies to eliminate most of the sulfur dioxide, particulate matter and mercury emissions and considerably reduce emissions of nitrogen oxide.

TEC's design will allow it to capture at least 50 percent of the carbon dioxide that otherwise would be emitted.

### Public Policy

TEC presents Illinois leaders with the opportunity to reinvigorate the state's coal industry while stimulating the economy of central and southern Illinois. Clean coal technologies also empower the state to become more self-sufficient and environmentally responsible in energy production.

In 2008, the Illinois General Assembly passed Senate Bill 1987 (SB 1987), the Clean Coal Portfolio Standard Act. SB 1987 requires electric utilities and alternate retail electric suppliers to purchase up to 5 percent of their electricity from clean coal facilities that capture at least 50 percent of their greenhouse gas emissions and to enter into long-term purchase agreements with an initial clean coal facility, which we believe will be the Taylorville Energy Center.

Additional details are available at:  
[www.cleancoalillinois.com](http://www.cleancoalillinois.com)

### Key Facts

The Taylorville Energy Center (TEC) is positioned to be among the first commercial power plants built in the United States to capture at least 50 percent of its carbon dioxide (CO<sub>2</sub>) emissions.

### CO<sub>2</sub> Storage

Captured CO<sub>2</sub> will either be sold for injection in depleted oil reservoirs as part of enhanced oil recovery operations or will be geologically sequestered underground below thick caprock in a highly saline aquifer.

### Location

Near Taylorville in Christian County, Illinois.

### Air Permit

The Illinois EPA issued the TEC's final air permit in June of 2007.

### Schedule

Engineering and design work to commence in early 2009. Construction work is planned to begin in 2010, with commercial operation in 2014.

### Electricity Production

500 to 525 MW net

### Fuel Supply

Bituminous coal is available from nearby suppliers in Christian County. Coal also can be delivered from many other potential suppliers in Illinois. The United States has a 300-year supply of coal, which is historically less expensive than natural gas and therefore produces more economical electric energy.

### Water Supply

The Sanitation District of Decatur, Ill., will provide treated wastewater to be used as process water at the TEC.

### Project Developers

Tenaska and MDL Holding Co., LLC. Tenaska is an energy company based in Omaha, Nebraska, that develops, constructs, owns and operates non-utility electric generation and co-generation plants. MDL Holding Co., LLC, is based in Louisville, Kentucky.