

# Kemper County

## ENERGY

*facility*

### PROTECTING OUR ENVIRONMENT

The Kemper County energy facility will use innovative clean coal technology to deliver safe, reliable and made-in-Mississippi electricity to Mississippi Power customers. It was certified by the Mississippi Public Service Commission as the best solution for customers. The 582-megawatt generating facility is scheduled to begin operation fourth quarter 2014.

#### AIR QUALITY

- Emissions controls are built into the plant and will be closely monitored throughout the coal gasification process.
- At least 65 percent of the carbon produced in the gasification process will be captured, with resulting carbon emissions comparable to a similarly sized natural gas plant.
- The result: cleaner air and a diminished environmental footprint.

#### ZERO LIQUID DISCHARGE

- The Kemper County energy facility will be a zero liquid discharge facility, which means none of the water used to generate electricity will end up in surrounding streams and rivers.
- The plant will also use treated effluent water from the city of Meridian.
- The use of Meridian's treated effluent for the plant's cooling needs is a win-win with the city receiving revenue from the sale of water and the project obtaining an economical source of water.

#### PROTECTING THE ENVIRONMENT, SAVING CUSTOMERS MONEY

- In addition to environmental benefits, the company has signed long-term contracts to sell the byproducts from the gasification process such as carbon dioxide, sulfuric acid and ammonia.
- Revenue from the sale of these byproducts—approximately \$50 million to \$100 million annually—will lower the overall costs for customers once the plant is in service.

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