

November  
2009

A MONTHLY SUMMARY  
OF HIGH-LEVEL  
SOUTHERN COMPANY INFO

# SO To Go



With 4.4 million customers and more than 42,000 megawatts of generating capacity, Atlanta-based Southern Company is the premier energy company serving the Southeast. A leading U.S. producer of electricity, Southern Company owns electric utilities in four states and a growing competitive generation company, as well as fiber optics and wireless communications. Southern Company brands are known for excellent customer service, high reliability and retail electric prices that are below the national average. Southern Company is consistently listed among the top ranking U.S. electric service providers in customer satisfaction by the American Customer Satisfaction Index (ACSI).

Visit our Web site at  
[www.southerncompany.com](http://www.southerncompany.com)



## GET THE FACTS & FIGURES:

- Environmental Leadership -
- Climate Change -
- New Nuclear -
- Transmission & Distribution -
- Renewable Energy -
- Renewable Portfolio Standard -
- Energy Efficiency -

## RENEWABLE ENERGY: an important part of the mix

Southern Company is expanding its use of all clean energy sources, including cost-effective renewable energy. The company currently offers customers renewable energy options and is involved in dozens of research and development projects, with a focus on biomass, the renewable source that has the most promise in the Southeast.

Get the facts on P.2 >>

## ENERGY EFFICIENCY: important part of the solution

Energy efficiency and demand-side programs can help lower the amount of new generation needed. Through Southern Company's *EarthCents* programs, customers are being offered an ever-growing assortment of ways to use energy more efficiently, both saving money and helping the environment. Southern Company plans to invest \$1 billion in these programs over the next decade. Get the facts on P.2 >>

## NEW NUCLEAR: the re-emergence of nuclear power

Southern Company is pursuing a combined construction and operating license for the building of two new nuclear power units in Georgia. The company strongly believes that to meet growing regional and national demand for electricity in the future, the nation needs a diverse mix of energy sources, including nuclear. Get the facts on P.2 >>

## CLIMATE CHANGE: commitment to finding solutions

Climate change is a challenging issue for our world and our nation. Southern Company is committed to a leadership role in finding solutions that make technological, environmental and economic sense. The focus of this effort must be on developing and deploying technologies that reduce greenhouse gases while making sure that electricity remains reliable and affordable. Get the facts on P.2 >>



## SOUTHERN COMPANY

**2008 operating revenues:**  
\$17.1 Billion

**2008 net income:**  
\$1.74 Billion

**2008 total assets:**  
\$48.4 Billion

### Diversified sources of energy:

- 68% coal
- 16% gas
- 15% nuclear
- 1% hydro

**Electric generating capacity:** 42,607 MW

**Generating units:** 299

### 2008 financial summary:

- Total Shareholder return – S0 performed better than 94% of S&P 500
- Stable A credit rating
- Dividends – 246 consecutive quarters (61 years) of payouts; 8 straight years of increases represent 30% growth; 4.2% increase in 2009

### 2008 operations summary:

- Safety – Goal is zero; 99% of workforce accident/injury free; top quartile
- Reliability – plant performance best in industry; recorded fewest outages ever
- Prices – well below national average
- Customer Satisfaction – consistently ranked one of nation's best

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## Environmental Leadership

also see: [www.southerncompany.com/corporateresponsibility/environment/](http://www.southerncompany.com/corporateresponsibility/environment/)

- Invested \$6.3 billion in environmental controls since 1990, and plan to invest additional \$3.1 billion through 2011 to further reduce emissions of nitrogen oxides (NOx), sulfur dioxide (SO<sub>2</sub>) and mercury.
- Since 1990, emissions of NOx and SO<sub>2</sub> are down more than 40 percent while generation of electricity has increased more than 40 percent to serve the growing need for electricity.
- Managed more than \$500 million in environmental research and development over the past decade.

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## Climate Change

also see: [www.southerncompany.com/corporateresponsibility/environment/climateChange.aspx](http://www.southerncompany.com/corporateresponsibility/environment/climateChange.aspx)

- Managing Department of Energy's National Carbon Capture Center in Alabama, testing the next generation of technologies to capture CO<sub>2</sub> emissions.
- Planning to demonstrate carbon capture and sequestration on an existing unit of Plant Barry in Alabama. Beginning in 2011, the project will capture up to 150,000 tons per year for permanent underground storage.
- Proposing to build a commercial-scale 582-MW clean coal generating plant in Kemper County, Miss., with 65 percent carbon capture and sequestration.
- Plant Daniel in Mississippi is host site for a U.S. Department of Energy carbon sequestration demonstration project. About 3,000 tons of CO<sub>2</sub> have been injected underground and now being monitored.
- Endorsed Edison Electric Institute Global Climate Change Points of Agreement, which supports technology development and sets long-range goals for CO<sub>2</sub> emissions reduction.

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## New Nuclear

also see: [www.southerncompany.com/corporateresponsibility/electricity/nuclear.aspx](http://www.southerncompany.com/corporateresponsibility/electricity/nuclear.aspx)

- Planning to construct two additional nuclear units at the Plant Vogtle site in east Georgia.
- Nuclear power, which currently supplies about 14 percent of Southern Company generation, is emissions-free. Southern Company has a 30-year-plus record of safely operating nuclear plants.
- If licensed by the U.S. Nuclear Regulatory Commission, the units, each with 1,100 megawatts capacity, would be placed in service in 2016 and 2017.
- Our proportionate share of the estimated in-service cost of the two units, based on its current ownership interest of 45.7 percent, is approximately \$6.4 billion.

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## Transmission & Distribution

also see: [www.southerncompany.com/corporateresponsibility/electricity/](http://www.southerncompany.com/corporateresponsibility/electricity/)

- Southern Company has responsibility for approximately \$5.5 billion in transmission assets, including more than 27,000 miles of transmission lines, 3,300 substations, 154,000 miles of distribution lines, 3.6 million poles and more than 300,000 acres of right of way.
- Southern Company plans, designs, builds, operates and maintains the system to meet growing demand and has budgeted \$4.1 billion in new capital expenditures over the next three years.
- Installing more than 4 million "smart meters" by 2012, which will help us lower cost and help customers manage energy use.

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## Renewable Energy

also see: [www.southerncompany.com/corporateresponsibility/electricity/building.aspx](http://www.southerncompany.com/corporateresponsibility/electricity/building.aspx)

- Hydroelectric: 34 facilities with 2,730 MW
- Landfill gas: DeKalb County, Georgia - 3.2 MW; Perdido, Florida – 3.2 MW
- Solar panels and wind micro-turbines on billboards
- Geothermal: 30 MW project in Hawaii
- Solid waste generation – purchasing power from refuse-fired generators, Bay County, Florida – 11 MW
- Offshore wind turbine studies – Georgia and Florida
- Biomass: conversion of an existing coal unit to a 96 MW biomass plant; evaluating conversion at five additional units
- Thin-film and concentrating PV installation at Georgia Power headquarters, with plans to install solar panels at Alabama Power headquarters

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## Energy Efficiency

also see: [www.southerncompany.com/corporateresponsibility/electricity/championing.aspx](http://www.southerncompany.com/corporateresponsibility/electricity/championing.aspx)

- *EarthCents* is a Southern Company program designed to help customers save money and reduce energy use.
- Southern Company energy efficiency programs have reduced peak demand for electricity by 3,100 megawatts. That's enough energy to power 440,000 homes.
- Between now and 2020, Southern Company plans to spend \$1 billion on energy efficiency and demand-control programs, reducing peak demand by an additional 1,000 megawatts.
- When comparing companies with peak demand of 2,000 megawatts and greater, the average reduction reported to EIA from demand-side management is 2.6 percent; we have reduced our peak demand by 7.25 percent through 2007.