The Southern Bioenergy Roadmap established that the South is in a unique position to create thousands of jobs through applying abundant natural resources and intellectual capital to the production of electricity and automotive fuel from plants, trees and waste — also known as biomass. Download the report at http://www.saferalliance.net/projects/roadmap.html.

**Breakdown of Biomass Resources, 2002**

| Source: University of Florida |

**Percent Land Use, 2002**

| Source: U.S. Department of Agriculture |

**Electricity Production by Fuel Type, 2006**

*Other gases or pumped storage were negligible.*

**Renewable Electricity Production, 2005**

(South Carolina = 4,723 MW)
Locations and capacities of current biodiesel plants

**Projected Population Growth 2007-2030**
- South Carolina — 17%
- South — 26%
- U.S. — 21%

Source: U.S. Census Bureau

There are no ethanol plants in South Carolina.

Source: National Biodiesel Board, March 2009

**Locations and capacities of biomass fueled combined heat and electric power plants, 2007**

**Biodiesel Production (million gallons per year)**
- 0.1 - 20
- 21 - 40

**Biomass Consumption (billion btu)**
- 1 - 10,000
- 10,001 - 20,000

Total = 1,754 gigawatt hours

Source: U.S. Department of Energy

**Direct and indirect economic contributions of biopower generation by heat and electric plants in South Carolina, 2007**

<table>
<thead>
<tr>
<th>Revenues (Million $)</th>
<th>Personal &amp; Business Income (Million $)</th>
<th>Employment (Jobs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>480</td>
<td>284</td>
<td>7,369</td>
</tr>
</tbody>
</table>

*Additional research needs to be done to assess current and potential economic impacts of biofuel plants.

Source: University of Florida

**State Bioenergy Policies, 2008**

<table>
<thead>
<tr>
<th>Policy</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Energy Plan</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Renewable Fuels Standard</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Renewable Portfolio Standard</td>
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<td>X</td>
</tr>
<tr>
<td>Financial Support</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Source: University of Florida

**Alternative Fueling Stations in South Carolina, 2008**

- 72 Ethanol (E85)
- 73 Biodiesel (B20+)

Source: Alternative Fuels Data Center

Data valid as of April 2009 | ©2009 Southeast Agriculture & Forestry Energy Resources Alliance | www.saferalliance.net | phone: 919.941.5145