

CPP, CO₂, Biomass and CHP

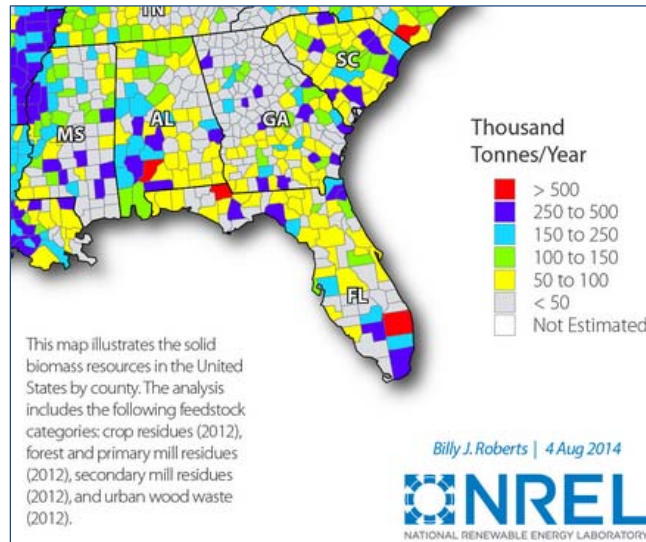
Points to Ponder



The Clean Power Plan (CPP) could likely require some investment in renewable energy in South Carolina as part of the State Implementation Plan.

Plentiful waste wood, agricultural and forestry industry residues, and other biomass feedstocks are available (although with a currently underdeveloped market) in much of South Carolina.

Ref: <https://maps.nrel.gov/biopower-atlas> or http://www.nrel.gov/gis/images/biomass_2014/national_biomass_solid_total_2014-01.jpg



Additionally, the attached Combined Heat and Power (CHP) study shows **over 4,000 MW** of possible additional CHP in South Carolina. Much of this can be accomplished utilizing renewable resources such as biomass, in new and/or existing equipment and infrastructure at operating facilities in South Carolina. Finding and developing these projects will require new looks at existing equipment and business practices.

The benefits of using biomass and utilizing existing equipment for CHP where possible are

- Keep fuel dollars within the state's economy.
- Create many new jobs (compare 20MW of operating solar vs 20 MW operating biomass).
- Support the existing agricultural and forestry industry, and companies already invested here.
- Provide an economic reason for acreage to stay in income-producing forests or agriculture.
- Develop state energy independence.

To accomplish this, the messages need to be clear as follows

- South Carolina has an abundance of biomass, and with the systems in place can manage its forestry and agriculture to prevent detrimental conflicts.
- Developing biomass-based renewable energy in South Carolina as a net-carbon neutral option for energy generation is helpful to the State, and also good for the world.

Get active and support your forests and agriculture in South Carolina www.scbiomass.com