








Proposed and Existing Woody Biomass Facilities in the Southeastern US

ABOUT THE MAP: Proposed and Existing Woody Biomass Facilities in the Southeastern US

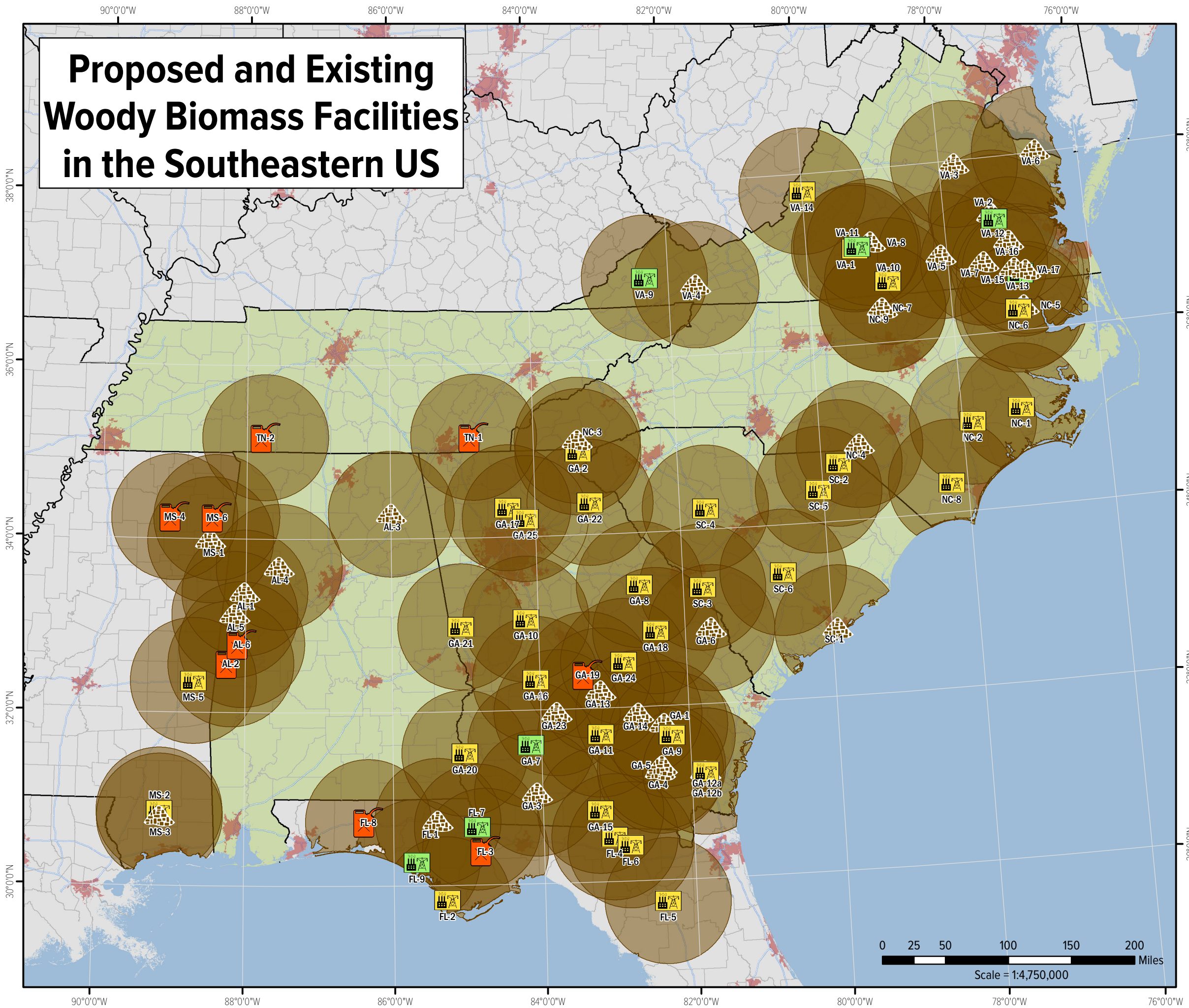
The Proposed and Existing Woody Biomass Facilities in the Southeast map was created based primarily on third party data as a list of proposed and existing woody biomass facilities known to SELC. The list was compiled primarily by collecting press releases about woody biomass facility proposals. Additional data was collected through internet based research of the companies announcing woody biomass facility proposals, forestry agencies, biomass groups, and state environmental permitting divisions. The map is thought to be accurate, but may still contain errors since it is derived from varied sources. The brown circle surrounding each unit has a 50 mile radius, representative of the sourcing area where wood feedstock will be gathered for each facility. These circles are meant to be illustrative of the potential forestry impacts where many facilities are proposed close together. Some facilities propose a larger sourcing area, up to 100 miles. Actual sourcing areas would also be shaped based on road networks making them more irregular than the illustrative circles shown here, however a similar comprehensive image would emerge.

Legend

-  Cellulosic Ethanol (CE) - Liquid ethanol processed from woody biomass
-  Electric Generating Unit (EGU) - Facility that converts woody biomass into electricity for consumption (>20 MW per year)
-  Coal-Fired EGU Retrofitted for Biomass - These can burn coal or woody biomass feedstock.
-  Wood Pellets (WP) - Raw wood condensed into small uniform pieces with a low moisture content for a high energy yield. (>45,000 dry tons/year)
-  Estimated Sourcing Area (50 mile radius)
-  Urban Areas
-  Interstates

Primary Data Sources:
Dartnell, Devon, Georgia Forestry Commission, "The Forest Biomass Industry in the Southeast" (December 9, 2008)
GIS Data Sources: ESRI (2008); NOAA (2003)

Map updated January 20, 2012
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Proposed and Existing Woody Biomass Facilities in the Southeastern United States

(Table compiled by SELC from industry and media releases)

Map Id	Plant Name	Company (Subsidiary/Affiliate of)	Annual Output	Power Unit	Operating Status	Year Online	City (nearest)	County	Source Area (mi.)	Feedstock	Permit Status
AL-1	Nature's Earth Pellet Energy	Nature's Earth Pellet Energy, LLC	90,000	WP (tn/yr)	Existing	1990	Reform	Pickens	(50)	sawdust, timber by-products, and other waste materials	
AL-2	Livingston Plant	Gulf Coast Energy, Inc.	100,000,000	CE (gal/yr)	Existing	2009	Livingston	Sumter	50	timber industry waste	
AL-3	Lee Energy Solutions Plant	Lee Energy Solutions	75,000	WP (tn/yr)	Existing	2010	Crossville	DeKalb	(50)	Wood chips, slash	
AL-4	West Alabama Plant	German Pellets USA/Westervelt Renewable Energy, LLC	250,000	WP (tn/yr)*	Proposed	2012	unknown	unknown	(50)	southern yellow pine	
AL-5	Westervelt Plant	Westervelt Energy LLC	280,000	WP (tn/yr)*	Proposed	2012	Aliceville	Pickens	(50)	The facility will convert 100 percent southern yellow pine along with sawmill residuals, subject to their availability	
AL-6	Western Alabama Biorefinery	Coskata, Inc	55-60,000,000	CE (gal/yr)	Proposed	TBD	Boligee	Greene	(50)	wood waste	
FL-1	Green Circle	Green Circle BioEnergy Inc. (JCE Group AB)	560,000	WP (tn/yr)	Existing	2008	Cottondale	Jackson	(50)	southern yellow pine "grown in sustainable plantation-style forests"	Final Issued
FL-2	NW Florida Renewable Energy Center	Biomass Gas & Electric (BG&E)	44	MW/yr	Proposed	2011	Port St. Joe	Gulf	(50)	untreated woody biomass: primarily wood chips, also agricultural crops/byproducts, logging and lumber mill residues (MSW prohibited)	Anticipated
FL-3	Liberty Industries	Liberty Chips Corp.	7,000,000	CE (gal/yr)	Proposed	2011	Hosford	Liberty	(50)	Forest waste, crop waste, sawdust	
FL-4	Adage Hamilton County	ADAGE (Areva/Duke)	50	MW/yr	Proposed	2012	Jasper	Hamilton	50	Field residuals and slash; Understory; Land clearing and storm debris; Production materials; Saw mill waste; Planer mill shavings; Source separated construction wood	Final Issued
FL-5	Gainesville Renewable Energy Center	American Renewables	100	MW/yr	Proposed	2013	Gainesville	Alachua	75	Forest residue, wood processing residue, clean municipal wood waste, forestry waste	Draft Issued
FL-6	Hamilton County Renewable Energy	American Renewables	100	MW/yr	Proposed	2013	Jasper	Hamilton	75	Forest residue, wood processing residue, clean municipal wood waste	Anticipated
FL-7	Plant Scholz (CFPP Retrofit)	Gulf Power (Southern Company)	100	MW/yr*	Proposed	2013	Sneads	Jackson	(50)	Wood understory, leftovers from timber harvesting from NW Florida pine plantations.	
FL-8	Mossy Head Plant	Gulf Coast Energy, Inc.	25,000,000	CE (gal/yr)	Proposed	TBD	Mossy Head	Walton	(50)	wood waste (wood scraps & sawdust)	
FL-9	Lansing Smith (CFPP retrofit)	Gulf Power (Southern Company)	unknown	MW/yr*	Proposed	TBD	Panama City Beach	Bay	(50)	Wood chips	
GA-1	Appling County Pellets, LLC	FRAM Renewable Fuels LLC.	145,000	WP (tn/yr)*	Existing	2008	Baxley	Appling	(50)	forestry waste	Final Issued
GA-2	Multitrade Rabun Gap	Multitrade Biomass Holdings, LLC (Leaf Clean Energy)	18	MW/yr	Existing	2010	Rabun Gap	Rabun	(50)	forestry waste	Final Issued
GA-3	Woodlands Alternative Fuels	World Wood Products (Sweden), Woodland Resources of Thomasville, & pvt. FL investor	300,000	WP (tn/yr)*	Existing	2011	Meigs	Thomas	(50)	sawmill waste, pulpwood	
GA-4	Georgia Biomass, LLC	Georgia Biomass, LLC (RWE Innogy [Germany] / BMC [Sweden])	750,000	WP (tn/yr)*	Existing	2011	Waycross	Ware	(50)	forestry (existing forest and plantation forestry). Debarked, chipped, made into pellet:	
GA-5	Ware County Pellets	American Green Holdings	125,000	WP (tn/yr)*	Existing	TBD	Waycross	Ware	(50)	wood waste	Final Issued
GA-6	Briar Creek Pellets	Briar Creek Wood Fibers, LLC.	75,000	WP (tn/yr)*	Existing	TBD	Sylvania	Screven	(50)	Yellow Pine	
GA-7	Plant Mitchell (CFPP retrofit)	Georgia Power (Southern Company)	96	MW/yr*	On Hold	2012	Albany	Dougherty	100	forestry waste	
GA-8	Oglethorpe Power	Oglethorpe Power	100	MW/yr	Proposed	2014	Warrenton	Warren	(50)	Whole tree chips, chipped pulpwood, sawmill/forestry waste.	Draft EIS Issued
GA-9	Oglethorpe Power	Oglethorpe Power	100	MW/yr	On Hold	2015		Appling	(50)	processed roundwood, milling waste, timber waste	
GA-10	Piedmont Green Power	Rollcast Energy	50	MW/yr	Proposed	2012	Barnesville	Lamar	75	logging residue, mill residue and urban wood waste	Final Issued
GA-11	Fitzgerald Plant	Fitzgerald Renewable Energy, LLC (Decker Energy International, Inc.)	50	MW/yr	Proposed	2012	Fitzgerald	Ben Hill	50	waste wood	Final Issued
GA-12a	Magnolia Biopower	Magnolia Biopower, LLC.	1,000,000	WP (tn/yr)*	Proposed	2012	Waynesville	Brantley	(50)	Thinnings and non-timber valued; fire or hurricane damaged forest biomass and debris	
GA-12b	Magnolia Biopower	Magnolia Biopower, LLC.	30	MW/yr	Proposed	2012	Waynesville	Brantley	(50)	Thinnings and non-timber valued; fire or hurricane damaged forest biomass and debris	
GA-13	Dodge County Plant	Integro Earth Fuels (torrefied biomass)	300,000	WP (tn/yr)	Proposed	2012	Eastman	Dodge	(50)		
GA-14	Lumber City Plant	FRAM Renewable Fuels LLC.	350,000	WP (tn/yr)	Proposed	2012	Lumber City	Telfair	(50)		
GA-15	Wiregrass Power, LLC	Sterling Energy Inc.	40	MW/yr	Proposed	2013	Valdosta	Lowndes	50-60	forest products industry by-products and residue; wood products industry residue; inert landfill material; yard waste; biosolids	
GA-16	Macon Plant	Graphic Packaging Inc.	40	MW/yr	Proposed	2013		Macon	(50)	Timber industry residuals	
GA-17	Global Energy Systems	Global Energy Systems	20	MW/yr	Proposed	2013	Ball Ground	Cherokee	(50)		
GA-18	North Star Plant	North Star Jefferson, LLC (North Star Renewable Power, LLC)	24	MW/yr	Proposed	2013	Wadley	Jefferson	(50)	forest products and shredded tires (TDR=tire-derived fuels)	
GA-19	Bleckley County Biorefinery	Allied Energy Services, LLC. (Cobb Energy Inc./Integrated Environmental Technologies LLC)	20,000,000	CE (gal/yr)	Proposed	2015	Cochran	Bleckley	(50)	wood waste, municipal solid waste	
GA-20	Yellow Pine Electrical Generating Plant	Yellow Pine Energy Company, LLC (Summit Energy Partners, LLC, Merrimac Assoc., Inc., Morris Energy Grp., LLC)	110	MW/yr	Proposed	TBD	Ft. Gaines	Clay	(50)	timber harvesting waste, pre-commercial thinning of forest plantation stands, harvesting non-commercial, dead or deformed species for fuel purposes and land clearing activities.	Final Issued
GA-21	Greenway Renewable Power	Rollcast Energy	50	MW/yr	Proposed	TBD	LaGrange	Troup	100	timber waste	Final Issued
GA-22	Plant Carl	Earth Resources Inc	25	MW/yr	Proposed	TBD	Carnesville	Franklin	20	Wood waste and poultry litter	
GA-23	Vega Biofuels Plant	Vega Biofuels, Inc.	unknown	WP (tn/yr)	Proposed	TBD	Cordelle	Crisp	(50)	"timber waste," "saw dust and/or agricultural waste"	
GA-24	Green Power Solutions	Beasley Forest Products, LLC./Land Care Services	56	MW/yr	Proposed	TBD	Dublin	Laurens	(50)	"wood bark, chips, and other biomass annually"	
GA-25	Atlanta, Georgia Bio-Energy Park	Biomass Gas & Electric (BG&E)	50	MW/yr	Proposed	TBD	Cummings	Forsyth	(50)	untreated wood waste, untreated sawmill residue, and herbaceous agricultural waste	Final Issued
MS-1	Enviva Amory Plant	Enviva (Intrinery LLC) / Electrabel, GDP Suez Group)	100,000	WP (tn/yr)*	Existing	2007	Amory	Monroe	(50)	wood waste, wood residue	Final Issued
MS-2	Coastal Paper Wiggins Facility	Intrinery	30,000	MW/yr	Existing	2007	Wiggins	Stone	(50)	wood and other agricultural materials	
MS-3	Enviva Wiggins Plant	Tomorrow's Energy, LLC, Enviva LP	100,000	WP (tn/yr)	Existing	2009	Wiggins	Stone	(50)	recycled forest waste material supplemented with green wood as needed	Final Issued
MS-4	Three Rivers Plant	Enerkem	20,000,000	CE (gal/yr)	Proposed	2012	Pontotoc	Pontotoc	(50)	municipal waste and wood residue	
MS-5	Plant Sweatt	Southern Company	80	MW/yr	Proposed	2013	Meridian	Lauderdale	(50)		
MS-6	Fulton Plant	BlueFire Ethanol	18,000,000	CE (gal/yr)	Proposed	TBD	Fulton	Itawamba	(50)	green and wood wastes	
NC-1	Craven County Wood Energy	Decker Energy International, Inc., CMS Enterprises	48	MW/yr	Existing	1990	New Bern	Craven	(50)	waste wood	Final Issued
NC-2	Coastal Carolina Clean Power	Carlyle/Riverstone Renewable Energy Infrastructure Fund, Topaz Power Management, LF	32	MW/yr	Existing	2008	Kenansville	Duplin	50	construction debris and other wood waste	Applied
NC-3	Carolina Wood Pellets, LLC	Carolina Wood Pellets, LLC	68,000	WP (tn/yr)	Existing	2009	Otto	Macon	40	waste wood from manufacturing, logging, and construction	
NC-4	Nature's Earth Pellet Energy	Nature's Earth Pellet Energy, LLC	120,000	WP (tn/yr)	Existing	2009	Laurinburg	Scotland	(50)	spill off lumber mills (sawdust); timber by-products, and other waste materials	Final Issued
NC-5	Enviva Ahoskie Plant	Enviva LP	350,000	WP (tn/yr)*	Proposed	2011	Ahoskie	Hertford	(50)	processed residues, (chips, bark and sawdust by-products); unprocessed residues, (tree tops, branches, stumps, and other forestry debris); low-grade wood fiber and round timber	

CE (gal/yr)=Cellulosic Ethanol gallons/year; WP (tn/yr)=Wood Pellet dry tons/year; MW/yr= Megawatts/year;

* =Converted CFPP Unit, ^ =Exports to Europe

Proposed and Existing Woody Biomass Facilities in the Southeastern United States

(Table compiled by SELC from industry and media releases)

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NC-6	Hertford Renewable Energy	Hertford Renewable Energy, LLC. (Decker Energy International, Inc.)	60	MW/yr	Proposed	2012	Millennium	Hertford	50	"locally produced wood waste fuel"	Draft Issued
NC-7	Enviva Northhampton Plant	Enviva LP	400,000	WP (tn/yr) [*]	Proposed	2012	Garysburg	Northampton	(50)		
NC-8	IP Riegelwood	Sterling Planet	45	MW/yr	Proposed	2013	Riegelwood	Columbus	(50)	timber residue	
NC-9	Person County Plant	Integro Earth Fuels	350,000	WP (tn/yr)	Proposed	TBD	Roxboro	Person	40	"scrap pine and pulp wood from paper mills and forestry operations by collecting branches shaved off tree trunks and left on the forest floor."	
SC-1	Carolina Pacific Briquetting Co.	Carolina Pacific Briquetting Co., LLC	300,000	WP (tn/yr)	Existing	2009	Charleston	Charleston	(50)		
SC-2	Domtar Paper Co., LLC	Contracted by Santee Cooper	50	MW/yr	Existing	2010	Bennettsville	Marlboro	(50)	Wood waste	
SC-3	Savannah River Site	DOE; Ameresco Federal Solutions, Inc.	20	MW/yr	Proposed	2012	Aiken	Aiken	50	primarily forestry residues, shredded tires; 325,000 tons of material per year.	FONSI Issued
SC-4	Loblolly Green Power	Rollcast Energy	50	MW/yr	Proposed	2012	Newberry	Newberry	65	urban wood, standing residue, thinning, logging residue	Draft Issued
SC-5	Hartsville Plant	Peregrine Energy Corp.	50	MW/yr	Proposed	2012	Hartsville	Darlington	(50)	thinning, forestry waste	Applied
SC-6	Orangeburg Plant	Orangeburg County Biomass, LLC	35	MW/yr	Proposed	TBD	Orangeburg	Orangeburg	(50)	Wood chips and forestry thinning	Draft Issued
TN-1	Cleveland Plant	Gulf Coast Energy, Inc.	100,000,000	CE (gal/yr)	Proposed	2011	Cleveland	Bradley	(50)	Wood Waste	Applied
TN-2	Collonwood Plant	ClearFuels Technology, INC.; Hughes Hardwood International (HHI)	20,000,000	CE (gal/yr)	Proposed	2014	Collinwood	Wayne	(50)	1,000 bone dry tons/day (BDT/d) of local timber resources: mix of slash and underutilized wood product along with local mill residue:	
VA-1	Pittsylvania Power Station	Dominion Virginia Power	79	MW/yr	Existing	1994	Hurt	Pittsylvania	100	Wood chips from sawmills, logging, and paper mills; 90+% is waste wood that would otherwise be landfilled/burned	Final Issued
VA-2	Equustock Virginia Plant	Equustock Virginia Inc.	80,000	WP (tn/yr)	Existing	2007	Chester	Chesterfield	(50)	raw wood materials that would otherwise have been deposited in a landfill	
VA-3	Bumpass Plant	Biomass Energy LLC.; Enviva LP	350,000	WP (tn/yr)	Existing	2008	Bumpass	Louisa	90	Not from landfill source or construction debris; uses whole logs from sustainable forestry.	
VA-4	AWF Marion Plant	American Wood Fibers	unknown	WP (tn/yr) [*]	Existing	2009	Marion	Smyth	(50)	post-industrial wood waste (scrap wood, shavings, saw dust)	
VA-5	Lignetics Plant	Lignetics	90,000	WP (tn/yr)	Existing	2009	Kenbridge	Lunenburg	(50)	local sawmill residues	
VA-6	Potomac Supply Plant	Potomac Supply Company	40,000	WP (tn/yr)	Existing	TBD	Kinsale	Wesmorelan	(50)	Primarily sawmill residue	
VA-7	WFD Greenville Plant	(Wood Fuel Developers, LLC) Industrial TurnAround Corp	80-300,000	WP (tn/yr) [*]	Proposed	2011	Jarratt	Greenville	(50)	woodchips, sawmill residue	
VA-8	Gladys Plant	Nash Timber	150,000	WP (tn/yr) [*]	Proposed	2011	Gladys	Campbell	(50)	hardwood sawmill residue	
VA-9	Virginia City Hybrid Energy Center	Dominion Virginia Power	59	MW/yr [*]	Proposed	2012	St. Paul	Wise	(50)	Wood waste (i.e. chips)	Final Issued
VA-10	Plywood Trail	South Boston Energy, LLC / NOVI Energy, LLC; Northern Virginia Electric Cooperative	50	MW/yr	Proposed	2013	South	Halifax	75	wood chips, wood waste, "slash"	Final Issued
VA-11	Altavista Power Station (CFPP Retrofit)	Dominion Virginia Power	50	MW/yr [*]	Proposed	2013	Altavista	Campbell	(50)	wood waste	
VA-12	Hopewell Power Station (CFPP Retrofit)	Dominion Virginia Power	50	MW/yr [*]	Proposed	2013	Hopewell	Hopewell	(50)	wood waste	
VA-13	Southampton Power Station (CFPP)	Dominion Virginia Power	50	MW/yr [*]	Proposed	2013	Franklin	Southampton	60	wood waste	
VA-14	MeadWestvaco Covington Mill	MeadWestvaco	75	MW/yr	Proposed	2013	Covington	Alleghany	(50)	tree bark, wood residues often left behind from logging operations, and residuals from the waste water from the paper making process	
VA-15	Enviva Courtland Plant	Enviva LP	454,000	WP (tn/yr) [*]	Proposed	2013	Courtland	Southampton	(50)	sawdust, bark and wood chips - byproducts of sawmilling - and sometimes branches and tree tops left over from logging	
VA-16	WFD Waverly Plant	(Wood Fuel Developers, LLC) Industrial TurnAround Corp		WP (tn/yr) [*]	Proposed	TBD	Waverly	Sussex	(50)		
VA-17	Franklin IP Site Plant	Franklin Pellets LLC (Multifuels and CMI)	500,000	WP (tn/yr) [*]	Under Study	2013	Franklin	Isle of Wight	(50)		

CE (gal/yr)=Cellulosic Ethanol gallons/year; WP (tn/yr)=Wood Pellet dry tons/year; MW/yr= Megawatts/year;

*=Converted CFPP Unit, ^=Exports to Europe

Proposed and Existing Woody Biomass Facilities in the Southeastern United States

(Table compiled by SELC from industry and media releases)

Map Id	Plant Name	Notes	Permit	Sources	LAT	LONG	Location Accuracy
AL-1	Nature's Earth Pellet Energy	GTY-270,000; 125 County Road 21 Gordo, AL 35466		Department of Forestry Products MSU; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	33.378	-88.015	City
AL-2	Livingston Plant	Annual output at full projected capacity is 100 million gal/yr. First year is 35 million.		gulfcostenergy.net, The Birmingham News, Wood Bio Energy News	32.561	-88.197	Plant Site
AL-3	Lee Energy Solutions Plant	79 Green Way Dr., Crossville, AL 35962;	Filed AQ permit with ADEM July 2009	The Sand Mountain Reporter, The Weekly Post, The Huntsville Times, Forisk Consulting (Wood BioEnergy South)	34.288	-85.994	City
AL-4	West Alabama Plant	The companieexpandable to 500,000 metric tons per year.		RISI Wood Biomass Markets	33.678	-87.545	Region
AL-5	Westervelt Plant	550000 in one source, possibly GTY?		Biomass Magazine; Forest Business Network: blog.al.com	33.131	-88.150	City
AL-6	Western Alabama Biorefinery	Secured \$250million in loan guarantees from USDA on 1-20-11		USDA, Coskata.com, Domestic Fuel.com, MyFoxAl.com, news.thomasnet.com	32.785	-88.051	Site
FL-1	Green Circle	2009 output was 454,000 tons	http://www.dep.state.fl.us/air/emission/aces/ACES_facility.asp?txtFacID=8601	greencirclebio.com, Green Circle Bio Brochure: treehugger.com	30.742	-85.411	Plant Site
FL-2	NW Florida Renewable Energy Center	feedstock from local wood providers and farmers; Uses approx 900 DT/day; 1000 max (permit). Site says 735/day. Progress Energy will buy energy.	http://www.dep.state.fl.us/air/emission/construction/stjoe.htm	biggreenenergy.com, floridaenvironments.com, Biomass Magazine	29.837	-85.300	Plant Site
FL-3	Liberty Industries	GTY-770,000		Florida-agriculture.com; biomassmagazine.com; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	30.388	-84.785	Plant Site
FL-4	Adage Hamilton County	Construction began in 2010	http://www.dep.state.fl.us/air/emission/bioenergy/adage.htm	adagepower.com, Florida DEP, Jacksonville Business Journal, Suwannee Democrat,	30.515	-83.061	Plant Site
FL-5	Gainesville Renewable Energy Center	GREC will be sited on same property as GRU Deerhaven Generating Station. Power purchased by Gainesville Regional Utilities (GRU); Approved by Florida Public Service Commission 2010.	http://www.dep.state.fl.us/air/emission/construction/gainesville.htm	The Gainesville Sun, americanrenewables.com, gru.com	29.759	-82.388	Plant Site
FL-6	Hamilton County Renewable Energy	American Renewables has secured 260-acre site near Rt. 41 between the towns of Jasper and White		americanrenewables.com	30.416	-82.852	Street
FL-7	Plant Scholz (CFPP Retrofit)	Evaluating complete conversion of 2 coal-fired units to biomass. Current capacity- 92 MW.	CFPP permit: http://arm-permit2k.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0630014.010.AV.F.pdf.zip	Southern Company (http://www.southerncompany.com/corporateresponsibility/environment/climateChangeAction.aspx), The Rotary Club of Pensacola; Wood Biopower plants being established in the SE	30.669	-84.887	Plant Site
FL-8	Mossy Head Plant	Gulf Coast Energy may relocate plant within N FL due to no wood supply commitment	None on file; FDEP anticipating project	gulfcostenergy.net, Ethanol Producer Magazine, Florida-Agriculture.com	30.736	-86.338	City
FL-9	Lansing Smith (CFPP retrofit)	Plant currently has 4 power units, 2 are coal-fired. Total output=945 MW. Plan to convert one coal-fired burner to biomass (not sure which one, can see permit for MMBtu/h of coal burners and convert to MW	(CFPP permit) http://www.dep.state.fl.us/air/emission/aces/ACES_facility.asp?txtFacID=6	Panama City News Herald	30.272	-85.699	Plant Site
GA-1	Appling County Pellets, LLC	248 Sweet Water Drive Baxley, Georgia 31513	http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=DOC-OP-19081 http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-17167	forestbioenergy.net, framfuels.com, Georgia EPD	31.793	-82.339	City
GA-2	Multitrade Rabun Gap	Green Power EMC will buy 17MW of wood fired power. Plant close to NF land	http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-18100 http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-18464	CleanTech Group LLC, Forisk Consulting (Wood BioEnergy South)	34.957	-83.378	Plant Site
GA-3	Woodlands Alternative Fuels	1st Phase-produced 68,000 tons in 2009. Will produce 300,000 in 2010.	AQ permit for previous facility (Waverly Minerals): http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-VF-15664	northfulton.com, USDA Forest Service, Georgia Centers of Innovation Energy	31.044	-84.075	Plant Site
GA-4	Georgia Biomass, LLC	Will ship pellets to Netherlands; broke ground in March 2010;		The Weekly, Reuters, Biomass Magazine, rwe.com, jacksonville.com	31.261	-82.421	City
GA-5	Ware County Pellets		http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-18308	Georgia DEP, EPA, Zac Anderson (unknown publisher)	31.309	-82.392	Plant Site
GA-6	Briar Creek Pellets			Georgia Forestry Commission, Bioenergy International, USDA: W. AL & E. MS. Forest Industry	32.870	-81.643	Plant Site
GA-7	Plant Mitchell (CFPP retrofit)	Conversion of existing coal plant(155 MW) completely to biomass (96 MW) delayed pending EPA ruling. 1 million tons/yr.	(CFPP permit) http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=DOC-VF-18672	Georgia Power, Biomass Magazine, PR Newswire	31.605	-84.145	Plant Site
GA-8	Oglethorpe Power	GTY-1,340,000 Land acquired for plant and construction to began in 2011. Second plant (Appling or Baxley County) planned to be completed in 2015, but on hold due to econom	DEIS - (http://www.rurdev.usda.gov/UWP-OglethorpePower.html)	Atlanta Citybizlist, opc.com, peanutpolitics-keith.blogspot.com	33.405	-82.601	Street
GA-9	Oglethorpe Power			Atlanta Business Chronicle, oglethorpepower.com	31.661	-82.244	County
GA-10	Piedmont Green Power	Will utilize approx. 500,000 tons of woody biomass annually; has 20yr power purchase agreement where capacity payments represent majority of revenue.	http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=DOC-OP-19354 http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-18253	pedmontgreenpower.com, macon.com, The Georrgia Engineer, Atlantic Power Corporation	33.051	-84.168	Street
GA-11	Fitzgerald Plant	Will consume 650,000 tons/year of biomass fuel	http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=DOC-OP-18711	Fitzgerald Renewable Energy, Decker Energy International, Georgia DEF	31.702	-83.201	Plant Site
GA-12a	Magnolia Biopower	Starting production at 300,000 WP/yr; early production will be exported to Europe, final stage will market to		Forisk Consulting (Wood BioEnergy South), Magnolia BioPower	31.227	-81.814	Street
GA-12b	Magnolia Biopower	Starting production at 300,000 WP/yr; early production will be exported to Europe, final stage will market to		Forisk Consulting (Wood BioEnergy South), Magnolia BioPower	31.227	-81.814	Street
GA-13	Dodge County Plant	GTY-600,000		Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7); Biomass Power Association	32.198	-83.178	City
GA-14	Lumber City Plant			biomassmagazine.com	31.924	-82.680	Plant Site
GA-15	Wiregrass Power, LLC			Examiner.com, WCTV (CBS), LOWNDES COUNTY BOARD OF COMMISSIONERS MINUTES, allamericanpatriots.com, The Tifton Gazette, Valdosta Daily Times	30.825	-83.239	Street
GA-16	Macon Plant	Will be used to power paperboard mill, 400,000 tons of logging debris, and 1,600 tons of paperboar		BrighterEnergy.org, Wood Bioenergy South (FORISK Consulting); Atlanta Business Chronicle	32.353	-84.059	County
GA-17	Global Energy Systems	GTY-200,000		entrepreneur.com; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	34.338	-84.378	City
GA-18	North Star Plant	about 133,500 tons of forest products and about 38,500 tons per year shredded tires; 21MW net outpu		The Augusta Chronicle: northstarrenewable.com	32.867	-82.404	City
GA-19	Bleckley County Biorefinery			Ethanol Producer Magazine, alliedenergyllc.com, ethanol producer.com (Proposed ethanol plant list); Woody Biomass Liquid Fuel Projects in the SE	32.388	-83.351	City
GA-20	Yellow Pine Electrical Generating Plant	Georgia Power to buy electricity (20-yr deal). Feedstock may also include peanut hulls, pecan shells, cotton stalks, lumber and pallet wood wastes.	http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=DOC-PI-17700	Georgia EPD, redorbit.com, EPA	31.521	-85.037	Plant Site
GA-21	Greenway Renewable Power	Location may be in Heard County	http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=DOC-OP-18920 http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-17892	greenwayrenewablepower.com, Georgia Power, Wood Bioenergy News	32.979	-85.060	Street
GA-22	Plant Carl	GTY-1,000,000		rurdev.usda.gov; Earth Resources Inc; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	34.370	-83.235	City
GA-23	Vega Biofuels Plant			vegabiofuels.com; Atlanta Business Chronicle	31.964	-83.783	City
GA-24	Green Power Solutions	GTY -1,200,000		AP: Macon.com: cbs atlanta.com	32.526	-82.857	City
GA-25	Atlanta, Georgia Bio-Energy Park		http://airpermit.dnr.state.ga.us/gaairpermits/PermitPDF.aspx?id=PDF-OP-17533	biggreenenergy.com, Tree Rings Newsletter (University of Florida)	34.207	-84.139	City
MS-1	Enviva Amory Plant	GTY-150,000; Took over CKS Energy Facility	http://opc.deq.state.ms.us/ai_info.aspx?ai=24301	Mississippi DEQ, bioenergy-news.com, grpva.com, Greater Richmond Partnership Inc; USDA: W. AL & E. MS. Forest Industry: envivabiomass.com	33.988	-88.495	Plant Site
MS-2	Coastal Paper Wiggins Facility	GTY-150,000		goliath.ecnext.com; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	30.865	-89.135	City
MS-3	Enviva Wiggins Plant	GTY-100,000; Took over Piney Wood Pellets Facility in 2010	http://opc.deq.state.ms.us/ai_info.aspx?ai=37405	Wood Bioenergy Magazine, WLOX13 ABC (Biolxi Gulfport Pascagoula), Brighter Energy.org, Mississippi Business Journal; USDA: W. AL & E. MS. Forest Industry	30.796	-89.128	Plant Site
MS-4	Three Rivers Plant	GTY-200,000; initial output will be 10 million gallons (2012)		enerkem.com; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	34.248	-88.999	City
MS-5	Plant Sweatt	GTY-800,000; viability analysis conducted for change to biomass		wlok.com; Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	32.366	-88.703	City
MS-6	Fulton Plant	Applied for DOE loan 2010; 15 year agreement with Tenaska Biofuels to buy plant output		Bluefire Ethanol, PR Newswire	34.246	-88.414	Plant Site
NC-1	Craven County Wood Energy	*consumes approximately 540,000 tons of wood waste per year	http://daq.state.nc.us/permits/draft_permits/craven_draft.pdf	deckerenergy.com, Decker Energy International	35.130	-77.168	Plant Site
NC-2	Coastal Carolina Clean Power	GTY- 430,000	http://daq.state.nc.us/permits/aapa_reports/aapa.pdf	coastalccp.com, Triangle Business Journal: W. AL & E. MS. Forest Industry	35.022	-77.858	Plant Site
NC-3	Carolina Wood Pellets, LLC	Another article says 80,000 ton capacity; also North America's Wood Pellet Industry report has 62,000. Opened 9/09.		The Franklin Press, Tuskagee Reader, USDA	35.090	-83.382	Plant Site
NC-4	Nature's Earth Pellet Energy	Located in former Eaton building, possibility of doubling capacity	List http://daq.state.nc.us/permits/files/all_permitted.pdf	gobiomass.com, Wood BioEnergy Magazine, Wood Bioenergy News	34.864	-79.456	Plant Site
NC-5	Enviva Ahoskie Plant	The new plant, to be built at the site of the former Georgia Pacific lumber facility site in Hertford County, will produce 330,000 dry tons of wood pellets annually from more than 600,000 tons of raw wood supplies		Richmond Times-Dispatch, Tech Journal South, newenergyworldnetwork.com, apnews.com, Greater Richmond Partnership Inc, Roanoke Chowan News Herald, envivabiomass.com, Energy Business Review	36.281	-76.988	Plant Site

CE (gal/yr)=Cellulosic Ethanol gallons/year; WP (tn/yr)=Wood Pellet dry tons/year; MW/yr= Megawatts/year;

*=Converted CFPP Unit, ^=Exports to Europe

Proposed and Existing Woody Biomass Facilities in the Southeastern United States

(Table compiled by SELC from industry and media releases)

Map Id	Plant Name	Notes	Permit	Sources	LAT	LONG	Location Accuracy
NC-6	Hertford Renewable Energy	(Site:GTY- 700,000 PPT: GTY- 600,000)	http://daq.state.nc.us/permits/draft_permits/hertford_dft_10272009.pdf	Decker Energy, USDA, NC DENR, EPA, Decker Energy International, hrellc.net	36.247	-77.071	Plant Site
NC-7	Enviva Northhampton Plant			WRAL: envivabiomass.com	36.395	-78.983	City
NC-8	IP Riegelwood	GTY-450,000		Star News Online: Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7 newsobserver.com, Person County Economic Development Council: Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7)	34.340	-78.225	City
NC-9	Person County Plant	"Green Coal", torrefaction		Production of Energy and Co-products (Chapter 7)	36.395	-78.983	City
SC-1	Carolina Pacific Briquetting Co.	GTY-600,000; exporting to scandinavia		Carolinalive.com: Plant Biotechnology for Sustainable Production of Energy and Co-products (Chapter 7	32.779	-79.927	Plant Site
SC-2	Domtar Paper Co., LLC	Contracted by Santee Cooper. Generator to create steam from wood waste already installed. Still needs approval by board. 15 year contract		woodbiomass.com, elp.com	34.666	-79.760	Street
SC-3	Savannah River Site	Primary purpose is to provide steam for nuclear power plant; replacing existing coal facility. 322,000 tons/yr of fuel (255,400 wood/96,500 shredded tires)	FONSI: http://gc.energy.gov/NEPA/nepa_documents/ea/ea1568/FONSI.pdf	Charleston Regional Business Journal, US DOE, GoUpstate.com, W. AL & E. MS. Forest Industry, The Augusta Chronicle.	33.341	-81.738	Plant Site
SC-4	Loblolly Green Power	Loblolly site says 2011, more recent (apparently) PPT presentation says 2012	http://www.scdhec.gov/environment/baq/publicnote/pubs/new051ca.greensheets.pdf	Newberry Observer, loblollygreenpower.com, Wood Bioenergy News	34.244	-81.643	Plant Site
SC-5	Hartsville Plant	CHP with Sonoco Packaging Co.		peregrinecorp.net, risinfo.com	34.377	-80.066	Plant Site
SC-6	Orangeburg Plant			The Times and Democrat (Orangeburg)	33.458	-80.625	Street
TN-1	Cleveland Plant	10,000,000 in 2014; 100,000,000 in 2017	NSR notice: http://www.tn.gov/environment/apc/ppol/dec2509.pdf	Guld Coast Energy, Tennessee DAPC, Ch. 7 (Hinchee, Et al)	35.158	-84.830	Plant Site
TN-2	Collonwood Plant	Construction planned to begin late 2011/early 2012 and permitting work underway in 3rd Quarter 2010		ClearFuels.com, thebioenergysite.com	35.170	-87.745	Plant Site
VA-1	Pittsylvania Power Station	90% of fuel from within 100 miles; 70% from within 90 miles. Purchased by DOM in 2004. 750,000 tons of wood chips a year.	http://www.deq.virginia.gov/export/sites/default/air/pdf/titlevpermits/30871vada.pdf	Dominion, virginiabiomass.org, Virginia Division of Legal Services: GoDanRiver.com	37.101	-79.305	Plant Site
VA-2	Equustock Virginia Plant	Also called Big Heat Wood Pellets		Biomass Magazine	37.354	-77.309	Site
VA-3	Bumpass Plant		Point Sources with Criteria Pollutant Emissions of 10 Tons or More 2008: http://www.deq.virginia.gov/export/sites/default/air/emissions/2008_criteria_emissions_10tons.xls	woodfuelsvirginia.com, virginiabusiness.com; fredericksburg.com, W. AL & E. MS. Forest Industry; energyboom.com	37.962	-77.779	Plant Site
VA-4	AWF Marion Plant	514 Lee Highway Marion, VA 24354		Timberline Magazine	36.812	-81.605	Street
VA-5	Lignetics Plant			Lignetics.com	36.940	-78.089	Site
VA-6	Potomac Supply Plant			USDA	38.024	-76.595	Site
VA-7	WFD Greensville Plant	Site announcement very recent (1/2010); full capacity will export majority to Europe		woodbiomass.com, National Association of Certified Developers; RIS	36.817	-77.490	Plant Site
VA-8	Gladys Plant	\$15 million facility will have four pellet machines, consuming roughly 300,000 GTY of chips, shavings and sawdust. All raw materials will be generated by the company's two sawmills in Gladys, as well as two more Nash is buying.		woodbiomass.com	37.160	-79.074	City
VA-9	Virginia City Hybrid Energy Center	Coal plant; 10% of 585 MW capacity from wood biomass fuel; GTY-300,000	http://www.deq.state.va.us/info/vchecPermits.html	Dominion, timesnews.net: W. AL & E. MS. Forest Industry	36.919	-82.335	Plant Site
VA-10	Plywood Trail			gazettevirginian.com, istockanalyst.com, WLSL10 (NBC), Richmond Times-Dispatch	36.699	-78.875	Plant Site
VA-11	Altavista Power Station (CFPP Retrofit)	about 600,000 tons of wood chips per year	conditional use permits given	PR Newswire: Altavista Journal Editor: GoDanRiver.com; tidewaternews.com	37.119	-79.273	Site
VA-12	Hopewell Power Station (CFPP Retrofit)	Enviva will supply wood pellets		PR Newswire	37.298	-77.284	Site
VA-13	Southampton Power Station (CFPP)	Enviva will supply wood pellets; about 600,000 tons of wood chips per year	conditional use permits given	PR Newswire: tidewaternews.com	36.651	-76.997	Site
VA-14	MeadWestvaco Covington Mill	Will allow Mill to be self sufficient in electrical power and steam generation		Paperage.com	37.803	-79.996	Site
VA-15	Enviva Courtland Plant			Biomass Magazine: Virginia Pilot	36.717	-77.067	City
VA-16	WFD Waverly Plant	Plans to convert existing particleboard plant into a pellet plant		Biomass Magazine, woodbiomass.com	37.030	-77.108	Plant Site
VA-17	Franklin IP Site Plant	emerging issue of concern to NC due to sourcing area extraction from NC forests. email sent 9/28, message left (202 289 7881)		Richmond Times-Dispatch, Tidewater News	36.678	-76.913	Plant Site

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