

List of Non-Fossil Fuels/Materials	Physical Form			S 1392 List			8/19/2012
	Gaseous	Liquid	Solid	YES	???	NO	
Agricultural residues			X		X		
Agricultural waste-cotton and corn			X		X		
Alcohol (ethanol)		X			X		
Alcohol solvent		X			X		
Almond shells			X	X			
Almond tree prunings			X	X			
Agricultural-derived biomass			X	X			
Alcohol		X		X			
Animal Fats		X	X		X		
Animal manure			X	X			
Ash pile char			X		X		
Bagasse			X	X			
Balsa wood			X	X			
Bark (Pine & Hardwood, Clean & Dirty)			X	X		X	
Barley dust & chaff			X		X		
Barley needles			X		X		
Bedding material			X	X			
Biogases from wastewater or landfill operations	X			X	X		
Bioliqids from wastewater of landfill operations		X		X	X		
Biomass			X	X	X		
Bitumen		X	X		X		
Bituminous coke			X		X		
Black liquor		X			X	X	
Blast furnace gas	X						X
Blond fiber			X		X		
Borate treated wood			X	X			
Cardboard			X	X			
Carpet scrap			X	X			
Cellulostic biofuels	X	X	X	X			
Clarifier residuals- primary			X		X	X	
Clarifier residuals- secondary			X		X	X	
Coal combustion residuals			X	X			
Coal refuse			X	X			
Coal refuse-anthracite culm			X		X		
Coal refuse-bituminous gob			X		X		
Coal tar oil		X			X		
Coal tar plus soil			X		X		
Coating residues		X			X		
Coke oven gas	X						X
Composite water		X					X
Compressed paper			X		X		
Conforming waste materials			X				X
Construction/demolition wood/debris			X		X		
Corn fiber			X	X			
Corn Gluten Feed			X	X			
Corn mill dryer off-gas	X				X		
Corn starch residue			X		X		
Corn stover			X	X	X		
Cotton byproducts	X	X	X	X			
Cotton gin residues			X		X		
Cotton stalks			X	X			
Cotton seeds			X	X			
Cottonseed hulls			X	X			
Cow manure			X	X			
Crankcase oil		X			X		
Creosote-treated wood			X	X			
Crop and tree residuals			X	X			
Deinking residuals		X	X	X	X		
Demolition debris (for purpose of fuel production)			X	X			
Dewatered combustable residues		X	X				X
Diaper scraps			X				X
Digester gas	X						X
Distillation byproducts and residues	X	X	X	X			
Distillers Dry Grains			X		X		
Distillers grains (DG)			X		X		
Distillers grains stillage (DGS)		X			X		
Emulsified paraffin		X		X			
Engineered wood plant scrap			X		X		
Envirofuel Pellets			X				X
Factory scrap and related material	X	X	X	X			
Filters			X				X
Foam residues			X				X
Forest-derived biomass			X	X			
Forestry residue			X	X	X		

Non-Fossil Fuel/Material Burned	Gaseous	Liquid	Solid	YES	???	NO
Fruit pits			X	X	X	
Foam residues			X			X
Foundry sand in thermal reclamation units			X	X		
Fuel oil solids (tank clean-out residue)			X			X
Fume filter oil		X			X	
Gear oil (virgin & used)		X			X	
Gluten feed pellet			X		X	
Gluten feed pellets			X		X	
Glycerine		X		X		
Glycerol distillation byproduct		X			X	
Grain elevator operations			X	X		
Ground pallets & scraps					X	X
Hardboard dust			X	X	X	
Hardboard residues			X	X	X	
Hardwood pellets (hammer-milled, dried, pelletized- sold as fuel)			X	X	X	
Heavy recycle		X				X
High caustic fuel		X				X
Hog fuel- hard wood			X	X		
Hog fuel- soft wood			X	X		
Hog fuel- urban			X	X		
Hogged bark			X	X		
Hydro pulper refuse			X			X
Hydrolic oil		X			X	
Hulls			X	X		
Industrial plastics			X		X	
Ink		X	X	X		
Ink solvents		X				X
Jatropha			X	X	X	
Knots and knotted rejects			X		X	
Laminate production scrap dust			X		X	
Laminated wood			X		X	
Lamination finishing plant residues			X			X
Lamination plant residues			X			X
Landfill gas	X			X		
Latex paint water		X		X		
Light weight asphalt		X				X
Lignin			X			X
Liquefied chicken fat		X			X	
Livestock manure, bedding and yard residues		X	X	X	X	
Log yard cleanup			X		X	
Low carbonate corn fiber (LCCF)			X		X	
Lube oil (virgin & used)		X			X	
Lumber kiln condensates		X		X		
Lumber refuse (hogged pallet boards/other non-treated scrap)					X	
Lumber refuse (hogged pallet boards/other non-treated scrap)			X		X	
Malt sprouts			X		X	
Manure			X	X	X	
Mechanical pulp mill rejects			X			X
Medium density fiber board sander dust			X		X	
Medium density fiber board trim (some with water based primer)			X		X	
Mill trash			X			X
Millfeed			X		X	
Miscanthus			X	X	X	
Mixed liquid residues		X			X	
Mixed wood residues			X		X	
Municipal sewage residues			X			X
Neutralene			X			X
New and used solvent- Acetone		X				X
Nonchlorinated plastics			X	X		
Noncondensable gas (includes stripper offgas)	X				X	
Nonhalogenated solvent		X		X		
Nonhazardous byproduct solvent		X			X	
Nonmetallic paint sludges		X		X		
Nut shells			X	X	X	
Oat hulls			X	X		
Offcuts			X	X		
Oil booms			X			X
Oil residues/excesses/byproducts -- #6, asphalts		X	X			X
Oil seed (Rape, Canola)		X		X		
Oil spill cleanup residues		X	X			X
Oilseeds – canola, corn, beans			X	X	X	
Oily rags			X		X	
Old corrugated container rejects			X		X	
Olive cake			X		X	
Olive kernel			X	X	X	
Orchard prunings			X		X	
Orchard trees			X	X		
Organic printing dye		X	X	X		

Non-Fossil Fuel/Material Burned	Gaseous	Liquid	Solid	YES	???	NO
Organic printing ink		X	X	X		
Oriented strand board trim/dry residuals			X		X	
Orimulsion		X				X
Other biomass			X		X	
Other treated wood			X	X		
Paint rags			X			X
Paint residues		X			X	
Palm oil plantation byproducts (palm kernel exfoliate, fiber, shell, EFB)			X		X	
Paper			X	X		
Paper broke			X		X	
Paper cores			X		X	
Paper fines			X	X		
Paper- office waste			X		X	
Paper recycling residuals			X	X		
Paper rejects			X	X		
Paper-derived fuel cubes			X	X		
Paper wrapper and packaging trimmings			X	X	X	
Particle Board sander dust			X	X	X	
Particle Board trim			X	X	X	
Paunch Manure			X		X	
Peat			X			X
Pecan hulls, shells & residues		X	X	X	X	X
Peanut production (Hulls & Residues)		X	X	X	X	
Petroleum coke			X			X
Petroleum distillation solvent		X				X
Petroleum reaction		X		X		
Petroleum refining residue oil		X				X
Pine and cedar trees, chipping and residues			X	X	X	
Pine and fir			X	X	X	
Pine needles			X	X	X	
Pine tar		X		X		
Pitch/wood waste		X	X		X	
Plywood trim			X		X	
Post harvest biomass residues			X		X	
Poultry litter			X		X	
Process biomass derived from construction			X	X		
Process densified fuels		X	X	X		
Process wastewater with significant BTU value		X		X		
Process derived liquid fuel		X				X
Process gas	X					X
Pulp liquor		X				X
Pulp mill gas	X					X
Railroad ties			X			X
Railroad ties chipped			X			X
Reclaim ink solvent		X			X	
Recovered gaseous butane	X				X	
Recovered paint solids			X	X		
Rectified methanol		X		X		
Red oil (steam stripper steam condensate, incl terpenes, terpenoids, methanol, TRS)		X				X
Redwood and fir			X	X	X	
Refinery gas	X					X
Refuse			X			X
Refuse derived fuel (RDF)			X			X
Reinjection char			X			X
Related soaps		X	X	X		
Reprocessed oil		X		X	X	
Residuals from manufacturing ind wastewatr treatment		X	X	X		
Resin solid			X			X
Resinated biomass-derived residuals			X	X		
resinated wood			X	X		
Restaurant oils & greases		X			X	X
Rice hulls			X	X	X	
Rice milling			X	X		
Sander dust			X	X		
Sap-styained wood			X	X		
Sawdust			X	X		
Sawmill scrap & residue			X	X	X	
Scrap X-ray film			X			X
Screen rejects			X			X
Seeds			X	X		
Sewage gas	X					X
Shredded cloth			X	X		
Silvicultural wood			X	X	X	
Sludge		X	X			X
Sludge without water			X			X
Solid paraffin			X	X		
Solvents		X			X	X
Soybean hulls			X	X	X	

Non-Fossil Fuel/Material Burned	Gaseous	Liquid	Solid	YES	???	NO
Spent coffee grounds			X			X
Spent grains			X	X		
Spent oxide			X			X
Straw			X	X	X	
Stripper condensate		X				X
Sulfur free organic byproduct			X			X
Sunflower hulls			X	X	X	
Sunflower husks			X	X	X	
Sunflower pellets			X	X	X	
Sunflower seed hulls			X	X	X	
Sunwax- Diatomaceous earth with sunflower oil wax			X			X
Switchgrass			X	X	X	
Syn fuel coal			X			X
Tall oil, tall oil derivatives		X		X	X	
Tallow		X	X		X	
Tar		X	X			X
Tire chips			X		X	
Tire derived fuel (TDF)			X	X	X	
Tires (whole)			X			X
Toluene		X				X
Tree tops & limbs			X	X	X	
Trim			X	X		
Turkey brood woodwaste			X		X	
Turpentine		X		X		
Turpentine derivatives		X		X		
Used hydraulic oil		X			X	
Used motor oil		X			X	
Used oil		X			X	
Used thermal oil		X			X	
Vegetable oil		X			X	
Vinse			X	X		
Virgin hydraulic oil		X			X	
Waste alcohol		X		X	X	
Wastewater treatment residues		X		X		
Wax and cellophane wrapper and packaging trimmings			X		X	
Wet distiller grains			X		X	
Wheat fiber (WF & Wheat straw)			X		X	
Whole tree chips/harvest residue			X		X	
Wood			X		X	
Wood bark			X		X	
Wood briquettes			X	X	X	
Wood char			X	X	X	
Wood chips			X		X	
Wood chips- fines			X		X	
Wood chips- old			X		X	
Wood dedris from forests			X	X		
Wood debris from urban areas			X	X		
Wood fuels bark			X		X	
Wood grinder residue			X		X	
Wood pallets			X	X		
Wood pellets			X	X		
Wood shavings			X		X	
Wood waste-clean			X		X	
Woodex pellets			X		X	
Woodworking residuals (cabinet mfg)			X	X		
Yellow grease (used cooking oils- sold as commercial fuel)		X			X	X
Number of Non-Fossil Fuels/Materials						
286	16	82	215	128	142	68
	(Some materials are listed in more than one column)			(Some materials are listed in more than one column)		