

Incorporating Bioenergy into Sustainable Landscape Designs Workshop Draft Agenda

March 4–6, 2014 | New Bern, North Carolina

DAY 1—TUESDAY, MARCH 4, 2014: FIELD TRIP

8:00 a.m.	Meet at hotel, attend safety overview, and distribute handouts
8:15 a.m.–9:00 a.m.	Travel to Lenoir, North Carolina
9:00 a.m.–10:20 a.m.	Arrive at Lenoir, North Carolina <ul style="list-style-type: none"><i>The Lenoir 1 study is a plot-scale research site located near Dover, North Carolina. There are 28.8 hectare (ha) plots with pine, switchgrass, and intercropped plots—with and without residual removal. Many studies are being conducted at this site, including the effects of bioenergy practices on biodiversity, soil, carbon, surface, and groundwater.</i>
10:20 a.m.–11:20 a.m.	Travel to the mill
11:20 a.m.–1:40 p.m.	Mill tour and lunch <ul style="list-style-type: none"><i>Stop at Weyerhaeuser's New Bern facility and visit the Cellulose Fibers mill and sawmill.</i>
1:40 p.m.–2:40 p.m.	Travel to Carteret, North Carolina
2:40 p.m.–4:00 p.m.	Arrive at Carteret, North Carolina <ul style="list-style-type: none"><i>The Carteret 7 study is in Carteret County, North Carolina, and consists of four watersheds of about 25 ha each. They are flat and very poorly drained with a shallow water table and are drained by parallel ditches. Treatments are young pine, mid-rotation pine, switchgrass, and intercropped stands. Research being conducted here is predominantly surface and groundwater related and based on 25 years of data collection, analysis, and modeling. In addition to the research plots, we will visit a recently harvested stand.</i>
4:00 p.m.–4:45 p.m.	Travel back to the hotel



Intercropped site at Carteret.

DAY 2—WEDNESDAY, MARCH 5, 2014: WORKSHOP

8:30 a.m.–9:00 a.m.	Introduction to workshop <ul style="list-style-type: none"><i>Welcome—Alison Goss Eng</i><i>Workshop goals and a brief description of the U.S. Department of Energy's Bioenergy Technologies Office—Kristen Johnson and Mark Elless</i><i>Overview of two workshops on sustainable landscape designs—Cristina Negri</i>
9:00 a.m.–10:00 a.m.	Pressures on resources in the southeastern region of the United States <ul style="list-style-type: none"><i>Factors that have led to the current landscape near New Bern, North Carolina—Joe Hughes</i><i>Pressures on forests in the southeastern region of the United States—Bob Abt</i><i>Key environmental challenges in the southeastern region of the United States (fragmentation/urbanization, air quality, and biodiversity)</i>
10:00 a.m.–10:30 a.m.	Break
10:30 a.m.–11:15 a.m.	Landscape design approach for woody biomass used for bioenergy <ul style="list-style-type: none"><i>A landscape design approach that incorporates bioenergy systems—Virginia Dale</i><i>Projected effects of biofuel production on landscapes in North Carolina—Jennifer Costanza</i><i>Discussion</i>

11:15 a.m.–12:30 p.m.	<p>Current systems that use forest biomass for bioenergy</p> <ul style="list-style-type: none"> • <i>Risks, opportunities, and requirements for the pellet industry in the southeastern region of the United States</i> • <i>Panel and discussion</i> <ul style="list-style-type: none"> ◦ <i>Land holders' perspectives: large private forest land owner</i> ◦ <i>Land holders' perspectives: small private forest land owner</i> ◦ <i>European perspectives — Floor van der Hilst</i>
12:30 p.m.–1:30 p.m.	Lunch
1:30 p.m.–2:15 p.m.	<p>Panel on priority environmental concerns for woody biomass systems</p> <ul style="list-style-type: none"> • <i>Bottomland forests and wetland systems—Al Lucier</i> • <i>Greenhouse gas emission calculations for forest operations involving residues—Reid Miner</i> • <i>Set asides/protected areas</i> • <i>Residual removal and biodiversity—Jessica Homyack</i> • <i>Other issues and discussion</i>
2:15 p.m.–3:00 p.m.	<p>Break-out group: Opportunities for landscape design to address priority concerns and promote sustainable systems</p> <ul style="list-style-type: none"> • <i>How can landscape design assist the deployment and assessment of sustainability for forest-based bio-mass systems across the supply chain?</i>
3:00 p.m.–3:15 p.m.	Break
3:15 p.m.–4:00 p.m.	<p>Panel: Recommended practices for using forest biomass for feedstocks—State of the Art</p> <ul style="list-style-type: none"> • <i>Environmental and governance challenges for mobilization of sustainable forest bioenergy supply chains—Tat Smith</i> • <i>Sustainable Forestry Initiative—Nadine Block</i> • <i>Forest Guild—Alyx Perry</i> • <i>Discussion</i>
4:30 p.m.–5:00 p.m.	Plenary discussion
DAY 3—THURSDAY, MARCH 6, 2014: WORKSHOP	
8:00 a.m.–8:45 a.m.	<p>Breakout groups reconvene: What are tangible goals and practices that diverse stakeholders can agree on and move forward with?</p> <ul style="list-style-type: none"> • <i>Groups prepare for report-outs</i>
8:45 a.m.–9:45 a.m.	<p>Case studies of how forest systems use landscape</p> <ul style="list-style-type: none"> • <i>Agriculture and Food Research Initiative Coordinated Agricultural Projects</i> <ul style="list-style-type: none"> ◦ <i>Southeastern Partnership for Integrated Biomass Supply Systems—Steve Kelley</i> ◦ <i>Northeast Woody/Warm Season Biomass Consortium—Tim Volk</i> • <i>Brazilian experience—Arnaldo Walter</i> • <i>Other case studies</i>
9:45 a.m.–10:00 a.m.	<p>Panel: Can landscape design principles be applied to help meet regulatory requirements for sustainable feedstock?</p> <ul style="list-style-type: none"> • <i>European Union approach</i> • <i>Biomass Market Access Standards—Jody Endres</i> • <i>Roundtable on sustainable biomaterials—Matt Rudolf</i> • <i>Discussion</i>
10:00 a.m.–10:30 a.m.	Break
10:30 a.m.–11:15 a.m.	Breakout groups report back
11:15 a.m.–12:00 p.m.	<p>Plenary group discussion</p> <ul style="list-style-type: none"> • <i>Tangible next steps to move forward with landscape design for bioenergy in a manner that best serves industry, decision makers, and producers.</i> • <i>A plan for collaborative research or other opportunities moving forward.</i>
12:00 p.m.	Adjourn