

8th Biennial SRWC Operations Working Group

Short Rotation Woody Crops in a Renewable Energy Future: Challenges and Opportunities

Draft AGENDA

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Short Rotation Woody Crops in a Renewable Energy Future: Challenges and Opportunities

Sunday, October 17, 2010

Reception in the Comstock Room – 5:00 pm – 7:00 pm

Conference registration 5:00 pm - 6:00 pm

Monday, October 18, 2010

7:00 am – 9:30 am	Registration in Upper Lobby
7:15 am - 8:00 am	Breakfast in Upper Lobby
8:10 am - 9:30 am 25 minutes each	Plenary Session I – Regency B/C Moderator: Tim Volk, SUNY College of Environmental Science & Forestry <ul style="list-style-type: none">• Billion Ton Study: Department of Energy• Developments in SRC willow R&D in Northern Ireland, UK: Alistair McCracken, Agri-Food & Biosciences Institute• Digging into the costs of short rotation coppice crops in Canada: Dan McKenney, Natural Resources Canada, Canadian Forest Service
9:30 - 10:00 am	Break and poster review in Upper Lobby
10:00 am – 11:40 am 20 minutes each	Silviculture/Harvesting Presentations in Regency B/C Moderator: Larry Abrahamson, SUNY College of Environmental Science & Forestry <ul style="list-style-type: none">• Technologies for harvesting short rotation woody crops: Dana Mitchell, US Forest Service, Southern Research Station• Development of a harvesting system for short rotation willow and hybrid poplar biomass crops based on a New Holland forage harvester and specially designed willow cutting head: Larry Abrahamson, SUNY College of Environmental Science & Forestry

	<ul style="list-style-type: none"> • Effects of planting density on growth, mortality, and yield of short rotation willow crops (<i>Salix</i> spp.): Tim Volk & Jesse Caputo, SUNY College of Environmental Science & Forestry • Four years of herbicide trials for shrub willow biomass production systems in the Upper Peninsular of Michigan: Raymond Miller, Michigan State University, Forest Biomass Innovation Center • Yield, profitability, and optimum harvest scheduling of <i>Eucalyptus</i> spp. in Florida: Matthew Langholtz, Oak Ridge National Laboratory
11:40 am – 12:45 pm	Lunch in Comstock Room
12:45 pm – 2:30 pm 20 minutes each	<p>Feedstock Partnerships Presentations in Regency B/C</p> <p>Moderator: TBA</p> <ul style="list-style-type: none"> • Cooperative linkage for <i>Populus</i> research and applications in North America: a comprehensive database from 1980 to 2010: Ronald Zalesny, Jr., US Forest Service, Northern Research Station • Developing the bioeconomy in southeastern Ontario: lessons learned from the Domtar hybrid poplar plantations: Jaconette Mirck, Queen’s University, Department of Geography • The use of agroforestry principles to grow biomass for bioenergy in southern Ontario, Canada: a case study using tree-based intercropping as an example: Naresh Thevathasan & Remi Cardinael, University of Guelph, School of Environmental Sciences
2:30 pm – 3:00 pm	Break and poster review in Upper Lobby
3:00 pm – 4:45 pm 20 minutes each	<p>Social/ Economic Dimensions Presentations in Regency B/C</p> <p>Moderator: TBA</p> <ul style="list-style-type: none"> • Economic impact of federal incentives on SRWC willow projects in New York State: Thomas Buchholz, SUNY College of Environmental Science & Forestry • A protocol for identifying suitable testing and development sites of poplar energy production systems in Midwest, USA: Ronald Zalesny, Jr., US Forest Service, Northern Research Station • Expert survey on adaption issues related to four short-rotation afforestation and agroforestry systems: Sylvain Masse, Canadian Forest Service, Laurentian Forestry Centre • Nutrients supply rate, bioavailability and uptake in SR willow coppice system receiving varying rates of organic and inorganic soil amendments: Amos Quaye, SUNY College of Environmental Science & Forestry • The Canadian Wood Fibre Centre SRWC Program: scientific, operational, and technical development activities: Derek Sidders, Natural Resources Canada, Canadian Wood Fibre Centre

4:45 - 5:30 pm	Break	
5:30 pm	Catch the bus for your Banquet Dinner	Dinosaur BBQ
Tuesday, October 19, 2010		
7:15 am - 8:00 am	Breakfast in Upper Lobby	
8:00 am - 10:00 am 20 minutes each	<p>Concurrent Sessions: Regency B/C</p> <p>Moderator: TBA</p> <p>Topic Area: Biomass</p> <ul style="list-style-type: none"> • Aboveground biomass production of 30 shrub willow & 7 poplar varieties over four coppice harvest cycles: Tim Volk, SUNY ESF • Above and below-ground biomass & soil organic carbon inventories of willow biomass crops across a 19 year chronosequence: Renato Pacaldo, SUNY ESF • SRWC published and reported yields in US poplars, willows & pines: Lynn Wright, WrightLink Consulting • Challenges to mapping yields and modeling production of woody crops: Laurence Eaton, Oak Ridge National Laboratory • SR yields of pure & mixed family plots of loblolly pine: Dana Nelson, US Forest Service, Southern Research Station • SRWC research at the University of Illinois: Gary Kling, University of Illinois 	<p>Concurrent Sessions: Regency A</p> <p>Moderator: Larry Abrahamson, SUNY ESF</p> <p>Topic Area: Genetics, Pathology and Wood Science</p> <ul style="list-style-type: none"> • Selection of pest & disease resistant, high-yielding shrub willows (<i>Salix</i> spp.) for biomass production from novel species hybrid pedigrees: Kimberly Cameron, Cornell University, Department of Horticulture • Molecular genetic basis for variation in lignocellulosic biomass composition in shrub willow (<i>Salix</i> spp.) bioenergy crops: Michelle Serapiglia, Cornell University, Department of Horticulture • Prediction of long-term canker disease damage from the responses of juvenile poplar clones to inoculation with <i>Septoria musiva</i>: Glen Stanosz & Jerry Weiland, University of Wisconsin • Adaptation to climate change: identification of climatically resilient hybrid poplar cultivars: Steve Chhin, Michigan State University, Department of Forestry • Inter-correlations of physical & chemical properties amongst hybrid poplars grown in Wisconsin, Minnesota, and Iowa: Ray Francis, SUNY ESF • Hot water extraction of shrub willow & sugar maple chips reduces ash content, increases energy content: Tim Volk & A. Cabrera, SUNY ESF

10:00 am - 10:30 am	Break and poster review in Upper Lobby	
10:30 am – 11:45 am	Plenary Session II in Regency B/C Moderator: TBA <ul style="list-style-type: none"> Expanded deployment options for SRW cropping systems: Marilyn Buford, US Forest Service, Washington Office Poplar clones for SRWC: results of field trials in Germany & Austria: Georg von Wuehlisch, Von Thuenen Institute for Forest Genetics, Germany Roadmap to developing willow biomass plantations in Saskatchewan: the first three years: Ken Van Rees, University of Saskatchewan, Department of Soil Science 	
11:45 am - 12:45 pm	Lunch in Comstock Room	
1:00 pm - 5:45 pm	Catch the bus for the local tour Video Preview of Tour (QuickTime movie)	Solvay Settling Basin and Case New Holland single pass and cut chip harvester demonstration
6:00 pm	Dinner on your own	Downtown Syracuse Restaurants
8:00 pm - 11:00 pm	Annual General Meeting of the Poplar Council of Canada	Harrison Room (hollow square/20 pp)