

**Minutes**  
**Sustainability Committee**  
2 Martin Luther King, Jr. Drive, S. E.  
Suite 1252 East Tower  
Atlanta, GA 30334

**March 23, 2010**

**Attending:**

Committee Members

Warren Budd, Chairman  
Bill Archer  
Dennis Billew  
Dwight Davis  
Walter Hudson  
Tom Wheeler  
Steven Woodruff  
Jenny Lynn Bradley, Board Chairman, ex-officio

Board Members

Earl Barrs  
Gene Bishop  
Bill Carruth  
Joe Hatfield  
Mabel Jenkins  
Phyllis Johnson  
Ray Lambert  
Loyce Turner  
Jim Walters

Visitors

Dr. Mark Risse, Driftmier Engineering Center, UGA  
Bryan Tolar, Georgia Agribusiness Council  
Andrew Schock, The Conservation Fund  
Thomas Farmer, The Nature Conservancy  
Katie Kirkpatrick, Metro Atlanta Chamber of Commerce  
Mike Giles, Georgia Poultry Federation  
Debbie Phillips, Georgia Industry Environmental Coalition  
Bettie Sleeth, Homebuilders Association of Georgia  
Helen Tapp, Trust for Public Land

Staff Members

Chris Clark  
Allen Barnes  
Paul Burkhalter  
Todd Holbrook  
Spud Woodward  
Dave Crass  
Marlin Gottschalk  
Terry West  
Paul Nelson  
Jim Ussery  
Doralyn Kirkland  
Linda MacGregor  
Thomas Barnard  
John Bowers  
Steve Friedman  
Emily Hitchcock  
Lauren Curry  
Homer Bryson  
Tami Morris  
Mark Whitney  
Connie Buck  
Mike England  
Jeff Weaver  
Mary Ann Evans  
Hellen Harris

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Mark Dickerson, Mountain Conservation Trust

Jim Kidd, Trout Unlimited

Abit Massey, Georgia Poultry Federation

Will Wingate, Georgia Conservancy

The March 23, 2010 meeting of the Sustainability Committee was called to order by Board Chairman Jenny Lynn Bradley. Chairman Bradley called on Warren Budd, Chairman of the Sustainability Committee.

Mr. Budd called on Marlin Gottschalk, Director of the Sustainability Division. Director Gottschalk introduced Dr. Mark Risse, Associate Professor, Driftmier Engineering Center, University of Georgia (UGA), for a briefing on the Agricultural Pollution Prevention (AgP2) Program.

Dr. Risse stated that the Department of Natural Resources' (DNR) Pollution Prevention Assistance Division (P2AD), now referred to as the Sustainability Division, and UGA Cooperative Extension Service partnership began in 1994 and grew to five faculty with \$400,000 annually for program support. He further stated that this partnership offers technical assistance, applied research and education on pollution prevention to the Agricultural community.

Dr. Risse stated that this partnership provides DNR with access to the UGA community and research, the Cooperative Extension Service Network, and farmers and agricultural stakeholders. He further stated that this program has brought the College and Extension Service into the environmental area, has garnered acceptance by the agricultural community and is viewed as an essential partner.

Dr. Risse gave a briefing on the Ag Track Partnership Program and the Animal Agriculture Program. He stated that he feels Georgia has the best Rules and Regulations relating to animal agriculture of any state in the nation. He further stated that farmers in Georgia are able to receive benefits from UGA and the partnership to provide annual training to both operators and nutrient management plans and the state certification program, as well as applied research.

Dr. Risse stated that assessments had been performed on all UGA facilities that house livestock or poultry, and that a new swine center will house an anaerobic waste digester that will produce energy from animal wastes.

Dr. Risse gave a briefing on crop production, stating that focusing on water conservation and irrigation systems, as well as conservation tillage were important components. He further stated that the benefits of conservation tillage were substantial in terms of wildlife diversity and soil erosions.

Dr. Risse gave a briefing on the Hands-on Water FUNdamentals Program, the Solid Waste/Energy Program, the Sustainable Agriculture and Land Application Programs, the Green P2 Program, and the Landscape Water Management Program. (PowerPoint attached hereto and made a part hereof)

Director Gottschalk presented a PowerPoint on DNR's Sustainable Energy Management Plan. He stated that driven by the hurricane seasons of 2004 and 2005, a State Energy Strategy for Georgia was developed in December 2006. He further stated that in April 2008, the Governor issued an Executive Order to form the State Energy Leadership Initiative, wherein all State Agencies are called upon to reduce energy use intensity by 15% below FY-2007 levels by 2020. He added that in April 2009, the Georgia Environmental Facilities Authority (GEFA) launched the State Utilities Program, calling upon State Agencies to establish and submit baseline energy-use data, as well as to develop their sustainable energy management plan.

Director Gottschalk stated that DNR submitted their baseline energy-use data last year for FY-2007, which included 5,000 structures and 1.4 million square feet of conditioned space. He further stated that total energy use for 2007 was 214,000 million BTU's of electricity and thermal energy, costing \$4.4 million in that fiscal year. He added that energy use intensity (EUI) was 152,000 BTU's per square foot per year, or costing \$3.14 per square foot per year.

Director Gottschalk stated that the Energy Management Plan provides a framework to move forward and will provide structure as to how DNR will approach its energy management responsibility. He further stated that the Sustainability Division has led the way in establishing the plan, working with all divisions to pull together not only the baseline data, but in reviewing those things that become the framework for moving forward. He added that the plan calls for a designated energy manager within the agency, who will be responsible for implementing the plan, and the Director of Sustainability will fill that position for the interim.

Director Gottschalk stated that a Sustainable Energy Management Council will be formed with representatives from each division to plan and implement energy efficiency projects and strategies. He further stated that short term goals for FY-11 and -12 are to further define roles and responsibilities; complete energy use and cost analysis; evaluate data and build internal capacity; integrate energy management in the organization; and implement, measure and verify ARRA-funded energy projects and equipment maintenance upgrades.

Director Gottschalk stated that mid-range goals for FY-13 through -16 are to inventory meters and assess needs; conduct energy audits; identify, implement, measure and verify energy projects and equipment maintenance upgrades, as funding allows; and integrate energy management into emergency management planning.

Director Gottschalk stated that long-term goals for FY-17 through -20 are to meet the Governor's Energy Challenge to reduce EUI to 129,000 BTU's per square foot; pursue sustainable and energy efficient new facilities and renovations; and consider energy management systems such as ANSI/MSE 200 and ISO 50001.

Director Gottschalk stated that the Sustainable Energy Management Plan becomes the foundation for a broader sustainability plan for the entire department in becoming a leader in the state in resource conservation for energy, water, solid waste, materials management, green supply chain, and facility planning. (PowerPoint attached hereto and made a part hereof)

There being no further business, the meeting was adjourned.