Committee Membership
David Neuman, Architect for the University (Chair); Tim Rose, CEO UVa Foundation; Rebecca White, Associate Vice President for Business Operations Representative; Benjamin Chrisinger, Undergraduate Student Representative; Mark White, At-Large Faculty Member, McIntire School of Commerce; Bill Keene, Faculty Senate Representative; Laura Sprung, Employee Councils Representative; Kevin Fox, Vice President and CEO of the Medical Center representative; Ida Lee Wootten, Assistant Vice President for Public Affairs representative; Cheryl Gomez, Director of Energy and Utilities; Wynne Stuart, Executive Vice President and Provost representative; Ralph Allen, Director of Environmental Health and Safety; Christina Morell, Vice President and Chief Student Affairs Officer; James Smith, At-Large Faculty Member (Research), Civil and Environmental Engineering; Don Sundgren, Chief Facilities Officer; Jon Cannon, At-Large Faculty Member; Geoffrey Suttle, Graduate Student Representative; Tim Beatley, At-Large Faculty Member; Andrew Greene, Sustainability Planner (Secretary).

Committee on Sustainability Work to Date
From May 1, 2009 to May 1, 2010, the Committee met ten times with strong attendance at most meetings. Two new members joined the Committee during this time, Timothy White, Senior Immigration Consultant in Human Resources, representing the Employee Communications Council, and Geoffrey Suttle, Darden ’11, as graduate student representative.

Establishing Goals
Despite the economic downturn, and in some cases because of it, increasing numbers of institutions of higher learning have recognized the urgent need to address the broad scope of issues related to sustainability and have prioritized actions accordingly. Programs and practices that represented the cutting edge two or three years ago have now become commonplace. The Committee and its four Subcommittees have worked to keep abreast of the state of the art in campus sustainability while ensuring that UVa’s practices continue to evolve.

The University may find itself behind some of its peers, both regionally and nationally, in establishing an institutionally-adopted set of sustainability goals. The Committee and Subcommittees are preparing a set of sustainability goals tailored to UVa for consideration by the President in FY 2010-11. See Figure 1, Comparison of Publicly-Stated GHG Reduction Goals of ACC Institutions Relative to UVa.

2010 Sustainability Assessment Update
In the spring of 2006, the Office of the Architect, Facilities Management, and Environmental Health and Safety began the 2006 Sustainability Assessment. Over the 9-month development of the Assessment, more than 200 members of the University participated in the workshops, surveys, and interviews designed to collect and organize information about
UVa’s sustainability initiatives. The assessment organized these initiatives into three categories: Governance and Culture, Academics and Learning, and Management Centers. Among the recommendations of the 2006 UVa Sustainability Assessment were the formation of a Sustainability Advisory Committee, the precursor of the Presidential Committee on Sustainability, and support for continuing to build UVa’s sustainability capabilities in a distributed, as opposed to centralized, manner.

With four years elapsed since the start of the 2006 Assessment, the Committee has decided to update the Assessment, capture progress on recommendations made in 2006, as well as progress not foreseen by the Assessment. The 2010 Assessment Update is structured following the Sustainability Tracking, Assessment, and Rating System (STARS), a new tool for benchmarking and performance metrics that was recently released by the Association for Advancement of Sustainability in Higher Education (AASHE). The STARS program is a voluntary, self-reporting framework that serves as a guide for advancing sustainability across the higher education sector while also providing a common standard of measurement for sustainability in higher education. The STARS program evaluates sustainability initiatives in three broad categories: Planning, Administration and Engagement; Operations; and Education and Research. Given the strong similarities between these categories and those adopted for the 2006 Assessment, the categories in the original Assessment will be retained and STARS information will be collected and reported in parallel with other assessment data.

Community Outreach and Communications Subcommittee

**Members:** Ida Lee Wootten (Chair), David Neuman, Laura Sprung, Julia Monteith, Virginia Carter, Armando de Leon, John Quale, Brian Smith, Lori Ponton, Trish Romer, Kevin Fox, Nicole Jackson, Andy Platt, Jason Pedone, Jess Wenger, Nina Morris, Andrew Greene

The Community Outreach and Communications Subcommittee has two goals:

1. To develop a University-wide communications plan to encourage increasing sustainable behaviors among employees, students, patrons and guests, including patients and their family members, prospective students and their family members, attendees at athletics competitions and arena events.
2. To recommend new opportunities to educate the University community and area residents about sustainable thinking and practice.

The subcommittee has 17 members representing diverse units across Grounds. Last year, subcommittee members contributed a wide range of suggestions on elements needed to meet the above goals. By comparing and analyzing the suggestions and reviewing web sites of peer institutions, the subcommittee adopted four broad communication strategies.

A summary of those strategies and the status on each of them is below.

**Sustainability Awareness Campaign**
Develop sustainability-awareness campaign that makes it clear what steps the University and individuals are taking to help the environment.

**Key components:** Developing sustainability icon, implementing sustainability pledge idea, developing new online resource center, developing green tips box in U.Va. Today, and/or creating sustainability blog or e-newsletter.

**Sustainability Coordinators**
Establish network of Sustainability Coordinators within Vice Presidential units, Schools and buildings.

**Key components:** Sustainability Team, Sustainability Speakers Series, Green Office List

**Status:** On April 12, 2010, a new version of the University’s sustainability icon was released.
web site went live. The site launched several key components of the sustainability awareness campaign including the new UVa sustainability icon, Sustainability Speakers, Sustainability Team, and Sustainability Partners.

Sustainability Speakers is a list of individuals from UVa and the surrounding community who are willing to volunteer their time to meet with departments or groups to talk about sustainability and environmentally related topics. The Sustainability Team can meet with departments or individuals to promote environmentally friendly practices. The Sustainability Partners Program brings together employee-volunteers who want to create and promote a Grounds-wide commitment to sustainability.

All of these elements are under a “What Can You Do” category on the new web site. Subcommittee members want the new online resource center to emphasize ways that individual actions can make a difference.

Over the summer, other elements to the web site will be added, including information about a sustainability pledge, which has been named “Sustainability Partners Pledge.” The word “partners” was specifically chosen to emphasize the idea of working together. This section will also feature consumer questions related to recycling, energy use and other pertinent topics.

Also added to the site over the summer will be lead-in copy tying the ideas of “community” and caring for the environment to Thomas Jefferson, as well as data showing how the University is managing resources through its approach to planning, building, land use, waste-management efforts, and energy and water conservation efforts.

The Green Office List was the foundation of a “Greening Your Office” session during ITC’s Office Technology Conference on May 26, 2010. The presentation, organized by Laura Sprung and Andrew Greene, also promoted awareness of the Sustainability Speakers, Sustainability Team and Sustainability Partners.

**Reminder and Interpretive Signage**

Develop and implement reminder and interpretive signage around Grounds.

**Key components:** Reminder graphics regarding energy use, interpretive signage describing sustainability efforts, signage linking sustainability to good health.

**Status:** Subcommittee members have completed an investigation of signage on web sites among higher education institutions and municipalities nationwide. Ideas for signage will continue to be refined as a UVa sustainability slogan is developed and is ready for implementation. Consideration of where and how appropriate signage will be implemented will be made by sustainability leaders in the Office of the Architect for the University and Facilities Management.

**Sustainability Awareness Events**

Create events to promote sustainability awareness.

**Key components:** Develop a calendar of green events, such as Earth Week; incorporate sustainability information into academic, athletic and arena events; and create celebratory recognition events.

**Status:** Numerous academic and administrative offices, as well as student organizations, collaborated for the first time to develop an extensive list of Earth Week events at UVa. The activities included UVa’s first Earth Hour. The list of events was showcased on the newly redesigned sustainability web site.

Subcommittee members have set a goal of meeting every other week over the summer to brainstorm about moving forward with other elements related to the web site and sustainability awareness campaign.
Policies and Procedures Subcommittee

Members: Wynne Stuart (Co-chair), Richard Brownlee (Co-chair), Bill Ashby, Connie Warnock, Christina Morell, Lori Ponton, Paul Crumpler, Tim Rose, Andrew Greene

Socially Responsible Investing Discussion
The subcommittee heard a presentation from Peter Elbaor, 4th year Commerce student and President of UVa’s Socially Responsible Investment Organization CIO. Peter presented his organizations review of existing UVa policies in this area, best practices of universities and other institutions, and proposed a draft investment policy to promote environmental sustainability and improved transparency.

Status: The subcommittee expressed support for the proposed policy, but requested that UVIMCO join a future subcommittee meeting to discuss the topic. This has yet to be scheduled.

UVa Energy and Sustainability Policy
At the request of Committee member and Director of Energy and Utilities, subcommittee co-chairs Wynne Stuart and Richard Brownlee reviewed and provided comments on a revision to UVa’s Energy and Sustainability Policy. The revised policy, which seeks to promote energy efficiency, proper resource use, and cost savings, was formally adopted by UVa’s Policy Review Committee in April, 2010.

Status: Complete

Next Steps
2010 Sustainability Assessment Update
Given the subcommittee’s role as a review and measurement body, the subcommittee will be serving as the advisory committee to the 2010 Sustainability Assessment Update. In this role, the subcommittee will advise on the assessment update process and the analysis of information gained from surveys and interviews with University stakeholders.

Environmental Impact Subcommittee

Members: Cheryl Gomez (Co-Chair), Don Sundgren (Co-Chair), David Neuman, Rich Kovatch, Fred Missel, Kevin Fox, Keith Crawford, Bill Keene, Jeff Sitter, Jess Wenger, Paxton Marshall, Rebecca White, Thushara Gunda, Armando de Leon, Andrew Greene

Completion of Draft Environmental Footprint Reduction Plan – Phase 1
Phase I of the Environmental Footprint Reduction Plan (EFRP) was completed in draft form on November 12, 2009, and presented to the Board of Visitors (BOV) on November 17, 2009. This phase of the EFRP, which focused on greenhouse gas emissions (GHG), accomplished several key work elements:

- Projected UVa GHG emissions will rise from 325,000 metric tons annually in 2008 to 412,000 tons annually by 2020.
- Suggested the goal of reducing GHG emissions to 20% below 2008 levels by 2020.
- Identified three broad strategies for reducing GHG emissions:
  - Minimize and/or mitigate GHG emissions resulting from all new projects.
  - Prioritize and substantially increase efficiency and conservation efforts in existing buildings, fleet operations, and employee commuting and travel behavior.
  - Increase the amount of renewable energy generated and consumed at UVa.

Technical Feasibility and Implementation Plan
In February 2010, an overview of energy conservation efforts and their impact on reducing GHG emissions was presented to the BOV. In addition, an overview of various renewable energy and innovative conservation technologies are being evaluated for applicability at UVa. Key points presented at that time, and updated to reflect work since February, include the following:
Energy Conservation

Conservation initiatives in progress during FY10 include:

- Expansion of current energy conservation measures (ECM) program.
- “Delta Force” retro-commissioning efforts are accelerating. Targeted facilities include high energy users such as the Chemistry Building, Chemistry Addition, Jordan Hall Addition, and the Multi-story Building. A $1 million line of credit has been established to fund this initiative.
- Replacement of existing lights with more efficient fluorescent bulbs and LEDs (re-lamping) is accelerating, which reduces electricity usage significantly. Parking garages, “Delta Force” buildings, and additional facilities are targeted.
- Multiple media, symposia, web sites, and similar communication, education, and outreach efforts have been implemented to engage faculty, staff, and students to reduce energy usage.

Renewable Energy Generation and Innovative Conservation Technologies

In February, 2010, UVa engaged Affiliated Engineers (AEI), a nationwide consulting firm experienced in developing campus carbon master plans, to evaluate the potential of various technologies. Specific areas that are being evaluated include:

- The technical feasibility of various renewable energy technologies.
- The feasibility of using or increasing the use of renewable fuels.
- The technical feasibility of various innovative energy conservation technologies.
- The associated economic implications of each initiative.

The President’s Committee on Sustainability will review AEI’s work and supplement the analysis by evaluating each technology in terms of important non-financial considerations that each might bring.

Steering Committee for UVa’s Environmental Management System (EMS)

In December 2009, the Subcommittee agreed to serve as the Steering Committee for the University’s Environmental Management System. The purpose of an Environmental Management System is to ensure compliance with environmental regulations and help departments to find ways to reduce their impacts on the environment. A successfully implemented EMS requires a steering committee to guide implementation, and given the membership and purview of the Environmental Impact Subcommittee, it is an appropriate body to serve as the EMS steering committee. The Subcommittee was updated on the progress of the EMS to-date and the role of the Subcommittee will be to offer guidance for the continuing implementation of the EMS.

Next Steps and Additional Environmental Footprint Reduction Plan Phases

In the coming year, the Environmental Impact Subcommittee plans to focus on the following areas:

- Complete the initial evaluation of renewable energy technologies, renewable fuel stocks, and innovative conservation technologies, and integrate the results of the evaluation into the UVa Environmental Footprint Reduction Plan – Phase 1.
-Present the revised Environmental Footprint Reduction Plan - Phase 1 - Greenhouse Gas, including recommended GHG emission reduction goals, to the President for consideration.
- Review and finalize draft Environmental Footprint Reduction Plan - Phase 2 - Materials, which was compiled in spring 2010.
- Complete a comprehensive review of existing water conservation initiatives, identify new strategies, and integrate these into the Environmental Footprint Reduction Plan - Phase 3 - Water.
- Inventory nitrogen use and develop the Environmental Footprint Reduction Plan - Phase 4 - Nitrogen.
School and Department Initiatives Subcommittee

Members: Mark White (Chair), Timothy Beatley (Substitute Chair), Phil Parrish, James Smith, Ralph Allen, Tim Rose, Paxton Marshall, Erika Herz, Andres Clarens, Ben Chrisinger, Andrew Greene

Student Sustainability Project Competition
The subcommittee successfully organized the second Student Sustainability Project Competition. This year’s event featured 17 projects from undergraduate and graduate students across Grounds and was well-integrated into UVa’s larger Earth Week celebration. Three students from the School of Engineering and Applied Science (SEAS) took the top prize with their plan to partner with the Local Energy Alliance Partnership (LEAP) to turn information on household energy consumption and conservation strategies into effective educational materials. The group plans to showcase their products in the completed ecoREMOD project, which will serve as the headquarters for the LEAP program and a residential energy efficiency demonstration home from our region. Runner-up teams included students from the School of Architecture, Darden, SEAS, and the College of Arts and Sciences.

Status: Complete for 2010

AASHE Sustainability Tracking, Assessment, and Rating System (STARS)
At the subcommittee’s May 3, 2010 meeting, the subcommittee reviewed the Education and Research portions of AASHE’s STARS tool. The STARS tool requires a committee consisting of faculty from different departments to create the criteria necessary to categorize sustainability-focused and related courses. The subcommittee is working to define this criteria and related criteria.

Status: Ongoing

Sustainability Assessment Update
At the subcommittee’s April 6, 2010 meeting, members met to review the “Academics and Learning” chapter of the 2006 Sustainability Assessment and to identify content and recommendations for appropriate sections of the 2010 Assessment Update. Given the academic nature of the content, the subcommittee is preparing a set of recommendations for further study by the Provost.

Status: Ongoing

Sustainability Common Reading Program
At the March 18, 2010 meeting, the subcommittee discussed the creation of a sustainability common reading program. Although a University-wide program existed at one point, currently SEAS appears to be the only school that continues to organize a common reading program for incoming first-year students. The subcommittee gravitated towards the suggestion of a smaller prototype involving two or three schools, possible through an expansion of the existing SEAS program.

Status: The subcommittee will continue discussion of a sustainability-themed common reading program.

Sustainability Minor
At the subcommittee’s February 2, 2010 meeting, Carla Jones, a 4th year student in Urban and Environmental Planning, met with the subcommittee to discuss her efforts to create a Sustainability Minor at UVa and seek the subcommittees’ advice and input. Carla explained that her process has been informed by recent minors created at the University. She and several concerned fellow students have also studied minors that have recently disappeared to understand difficulties in implementing a successful minor.

Status: As an information item, the subcommittee expressed support for the idea, but is not involved in the creation of the Sustainability Minor.