

Energy and Sustainability Committee Meeting Minutes
February 28, 2022
2:00pm

Zoom: <https://virginiatech.zoom.us/j/82233631247?from=addon>

Present: Mary-Ann Ibeziako (presiding), Jon Clark Teglas for Chris Kiwus, Nick Woods for Ken Miller, Rosalba Ledezma for Liza Morris, John Randolph (Interim), Alan Grant, Rob Lowe, Matt Hagy, Blake Bensman, Jamie Stein, Elena Spinei Lind, Todd Shenk, Lucas Goodman

Absent: Dana Hawley, Matthew Eick, LaTawnya Burleson, Abigail Belvin, Vineela Eppe

Guests: Jamie Lau, John Randolph, Jeri Baker, Nick Quint, Nathan King, Emily Vollmer, Steve Durfee, Lowell Jesse, Simona Fried, Eli Meyer, Scott Kerklo, Mike Dunn, Sean McGinnis, Barbara Wise, Jack Leff,

Mary-Ann Ibeziako called the meeting to order at 2:00 pm. A quorum was present.

1. Adoption of Agenda

A motion was made and seconded to adopt the agenda. The motion carried.

2. Approval of or Announcement of approval and posting of minutes of January 24, 2022

Mary-Ann Ibeziako noted that these minutes have been voted on electronically and can be publicly accessed on the Governance Information System on the Web (<http://www.governance.vt.edu>).

3. Presentation

Mary-Ann Ibeziako (Chair, AVP Infrastructure & Sustainability & Chief Sustainability Officer), John Randolph (Interim Climate Action, Sustainability, and Energy Director), Nathan King (Campus Sustainability Manager), and Emily Vollmer (Sustainability Coordinator) gave a presentation that covered all agenda items including old and new business sections for the committee (attached).

4. Open Discussion

2021-2022 Green RFP Prioritization of Select Proposals:

Jon Clark Teglas commented that it would be good to work on a direct, on-site communication strategy for the RFPs that involve repurposing existing properties or areas in a way that may not be easily narrated or understood just in their existence (eg. select proposal number 4: Wildflower Meadow at Grove Lane Pond). He referenced previous usage of metal signs with a QR code during the growing season to explain what is going on at a site. Nathan King agreed and commented that as our Bee Campus USA idea continues to gain momentum there will be some great educational opportunities to go along with that as well. The students who are involved are interested in the educational and outreach components.

Mary-Ann Ibeziako wondered if we are measuring GHG that will be avoided through bike usage. Nathan King: We can look into adding data to the number of bike users. Nathan will continue to talk with Nick Quint, especially through our internship program to make data more readily available. John Randolph: Our CAC goal 9 looks at a reduction of single-occupancy commuting to campus by 20% by 2025. We have a lot of helpful infrastructure to do this.

Todd Shenk asked how the ~\$400,000 budget ask compares to previous years. Nathan King: Pretty well in line. We had a \$500,000 ask a couple years ago and other years we came in around \$250,000-\$300,000.

A motion was made and seconded to approve the shortlist of select category 1 proposals as recommended by the task force. The motion carried. The proposals will be forwarded up to the Budget Office.

E&SC Task Forces:

Mary-Ann Ibeziako commented that the task forces are really critical, much like the working groups that were used in the development of the CAC. These new task forces will help out with the CAC implementation that we are doing today. They will help us get to the next phase of implementation. If you see an area that you are interested in or that is your area of expertise, we implore you to volunteer. This is critical to developing further targets and further goals that will help us to meet the overall objective.

Climate Action Implementation Update:

Luke Goodman asked if the link for the Miro Climate Action website is currently live and, if so, requested that someone share it in the chat so we can review in more detail? John Randolph responded that it is live and Jack Leff shared the link in the chat.

Mary-Ann Ibeziako asked if we can link some of the expertise on the faculty side and connect them to the physical facilities side that has similar interests? John Randolph responded that that is the idea. Goal 3 is to link those sides together. We are still in process of developing our team of faculty and identifying their categories of interest. Mary-Ann asked if we have a similar plan using the platform for the staff side, giving them an opportunity to share interests and expertise that extends beyond their jobs day-to-day? John agreed that is a great idea. This Miro platform that Todd Schenck introduced us to not only gives an opportunity for people to touch base but it also is an archive of the information that is posted. It is a one-stop-shop that is easy to work with. So, we'll think about creating one for staff.

Todd Schenk commented that faculty is working to catch up with the progress and coordination occurring on the CPIF side. This platform helps them in doing that. He agreed it's important to give staff and AP Faculty a chance to engage beyond what their day job is. For now, the focus is on catching faculty up to speed and gaining inventory on what research and teaching is going on so that we can be better partners for CPIF.

Earth Week:

Mary-Ann Ibeziako commented that it looks like there is a lot of engagement from students. Is there involvement from faculty and staff? Emily Vollmer let her know that right now there are 14 faculty and staff groups actively participating in planning events with more on the contact lists who are considering events but not yet decided. Mary-Ann asked about staff, in particular, helping out. Emily responded that the campus arborist and staff from Venture Out, Rec Sports, and Hokie Wellness are participating.

Jeri Baker let Mary-Ann know that they do a whole alternative transportation event that is set for Monday of Earth Week. Nick Quint confirmed that Bike to Campus Day is set for Monday.

Mary-Ann challenged everyone on this committee to have something planned for Earth Week.

John Randolph let the group know that they are planning a panel on CAC One Year Later with himself, Steve Durfee, and others.

Mary-Ann is working with Blake Bensman and Emily Vollmer on recyclable fashion. Blake Bensman is involved in plastic bag collection during Earth Week and Steve Durfee and Simona Fried are doing a waste audit at the Moss Arts Center for the LED and O&M recertification.

Giving Day:

John Clark Teglas wanted to mention the first iteration of the Sustainability Giving Day process and thank Mary-Ann Ibeziako and John Randolph for the language that was sent out and all others who participated by drumming up business and by being donors. The last number he received was around \$1,700.00 to the fund. We are tracking as the Advancement team clears that and aligns resources. Hopefully, we'll get an updated number pretty soon. Mary-Ann recognized Emily Vollmer who did a lot of the heavy lifting for our first Giving Day. Emily commented that it was definitely a learning experience with it being our first year participating but she is also really happy with how it went. There was a lot of student involvement as well. Our student interns created a lot of our social marketing posts that we used throughout the few days.

Student Interns:

Nathan King mentioned that we have started our new hiring season for next year's cohort of student interns. For those of you who work with students, if you know some who may be interested in applying, please send

them our way. Nathan sent the link to the website application in the chat. The interns will help in implementing lots of different aspects of the CAC and gain valuable experience.

5. Adjournment

There being no further business, a motion was made to adjourn the meeting at 2:56 pm



Energy & Sustainability Committee
February 28, 2022 – 2:00pm



VIRGINIA
TECH.





Agenda

- Welcome and Opening Remarks
- Approval of Proposed Agenda (if a quorum is present)
- Meeting Minutes: Electronic Vote Results
- Old Business
 - 2021-2022 Green RFP Prioritization of Select Proposals and Vote
 - CAC Task Forces Update
 - CAC Implementation Update
- New Business
 - Earth Week 2022
- Open Discussion

2021-2022 Green RFP Key Points and E&SC's Role

- Formal university program for **student organizations** to submit sustainability initiatives or ideas.
- Program was launched in **academic year 2010-11**
- The uniqueness – proposals are submitted, reviewed, **select proposals prioritized**, approved proposals funded, & implementation initiated in the **same academic year**.
- **Evaluation criteria:**
 1. Does the proposal support the goals of the climate action commitment
 2. Does the proposal generate savings
 3. Does the proposal pertain to energy reduction/conservation
 4. Does the proposal address a one-time or ongoing need
 5. Does the proposal leverage other funding sources or volunteers

2021-2022 Green RFP Process and Timeline

<u>DATE</u>	<u>ACTIVITY</u>
Sep 20	Green RFP 2021-22 announcement
Nov 19	Proposal deadline to CASE office
Dec 1	CASE office coordinates review with subject matter experts
Jan 24	E&SC Subcommittee to review & prioritize proposals
Feb 28	Subcommittee presents recommendations to <u>E&SC for approval</u>
Mar 4	E&SC presents proposals to the Office of Budget & Financial Planning
Mar/Apr	OBFP convenes Budget Review Committee- identifies funding sources
Apr/May	Select proposals approved - implementation initiated

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
1	Occupancy Sensors - Shanks Hall: This proposal would fund the installation of seven occupancy sensors in Shanks Hall for lighting and HVAC in conjunction with retrocommissioning efforts.	MGT 2354 - Leadership for Managers and Entrepreneurs (Management Course)	\$ 3,500.00	<p>This proposal would occupancy sensors for greater control of the lighting and HVAC in the classroom in Shanks Hall.</p> <p>This upgrade would impact every student, faculty, and staff member who uses this area. VT Office of Energy Management cost estimate is \$3,500 and includes materials, labor, and contingency. Reviewed and highly recommended by Lowell Jessee (Office of Energy Management) and Steve Durfee (Campus Energy Manager).</p> <p>Annual Cost Savings: \$763. Payback period is 5 years.</p>
2	Stroubles Creek Restoration (Phase 5): This proposal would support the fifth phase of the Stroubles Creek riparian restoration project. This would include large-scale seedling plantings, education, outreach, and monitoring.	Stroubles Creek Coalition, VT StREAM Lab	\$ 15,000.00	<p>This is the fifth phase of the riparian restoration project. The project was awarded funding in AY19-20 and AY20-21 that has supported the plantings of thousands of trees/shrubs which provide a myriad of ecosystem health benefits.</p> <p>The intent is to use the \$15,000 to apply for a Virginia Department of Forestry (VDOT) grant which would produce matching funds for the planting of up to 1,200 trees/shrubs, installation of tree shelters, weeding, and other improvements. The unique feature of this proposal is that it leverages many volunteers from several campus organizations. Restoring this habitat has numerous positive environmental outcomes including; carbon sequestration, wildlife habitat, improved water quality, less soil erosion, and better stormwater management. This also includes education and outreach that will impact hundreds, if not thousands of students on-campus. This proposal is strongly supported by Chuck Deitz (Stormwater Compliance Manager) and Jamie King (Campus Arborist).</p> <p>Annual Cost Savings: \$81,582 of environmental benefits by year 2052.</p>

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
3	Bee Box - Hahn Garden: This proposal would fund the installation of a bee box and native flowers at Hahn Garden to support local, native pollinators.	UAP 3354 - Introduction to Environmental Policy and Planning (Urban Affairs and Planning Course)	\$ 800.00	This proposal would enhance native bee habitat on campus and provide educational opportunities for students, faculty, staff, and visitors to Hahn Garden. The addition of a bee box would provide shelter for the bees themselves and enhance pollinator activity around Hahn Garden. This would dovetail with a larger effort for the university to become Bee Campus USA certified. Scott Douglas (Director, Hahn Hort Garden) has reviewed and support the proposal along with Dr. Couvillon's Entomology team. Annual Cost Savings: N/A
4	Wildflower Meadow at Grove Lane Pond: This proposal would fund the restoration of a native wildflower meadow at Grove Lane Pond that was planted in 2007 but was overtaken by invasive species.	Student	\$ 4,800.00	This proposal would help expand pollinator habitat on campus and restore the area around the pond which has seen an increase in invasive plant species over the years. Also, this project would dovetail with overall campus efforts to become Bee Campus USA certified. The total project cost is \$4,800 which includes the cost estimates of materials , labor , and 20% contingency. Jack Rosenberger (Campus Landscape Architect) and Matt Gart (Grounds Landscape Architect) have reviewed the proposal and are in support. Annual Cost Savings: \$840 Payback period is 6 years.

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
5	Stadium Woods Restoration: This proposal would support the Stewardship Plan for the Old-Growth Forest by Lane Stadium by strategically installing wooden barriers along highly impacted areas and removing invasive plant species.	UAP 3354 - Introduction to Environmental Policy and Planning (Urban Affairs and Planning Course)	\$ 78,200.00	Stadium Woods is a premier old-growth forest on campus that is used by numerous students, faculty, staff, and community members each year. This proposal would further protect and enhance the woods in support of VT's Forest Stewardship Plan by installing wooden barriers near the Center Street boundary and removing invasive species. The \$78,200 cost estimate includes materials, contract labor, and 15% contingency. Students and volunteers will be utilized for the invasive species removal. Jamie King (Campus Arborist) has reviewed and supports the proposal. Annual Cost Savings: TBD
6	Pollinator Garden - Huckleberry Trail: This proposal would fund the development of a pollinator garden along the portion of the Huckleberry Trail where it intersects with Southgate Dr.	MGT 2354 - Leadership for Managers and Entrepreneurs (Management Course)	\$ 2,700.00	This proposal would further beautify campus while providing important pollinator habitat in support of a larger effort to become Bee Campus USA certified. These grassy area along the Huckleberry Trail near the underpass with Southgate and adjacent to the Vet Med pond would be seeded with native wildflowers and other pollinator friendly plants. An educational sign on pollinators would also be added to the area to provide outreach to students, faculty, staff, and community members who frequent the trail. The project cost includes materials, labor, and a 20% contingency. Jack Rosenberger (Campus Landscape Architect) and Matt Gart (Grounds Landscape Architect) have reviewed the proposal and are in support. Annual Cost Savings: N/A

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
7	Reusable To-Go Container Drop-Off Bin - West End Market: This proposal would fund the purchase of a rolling bin to serve as a drop-off location for reusable to-go containers at West End.	UAP 3354 - Introduction to Environmental Policy and Planning (Urban Affairs and Planning Course)	\$ 470.00	This pilot project would help DSA support the implementation of EO-77 while reducing landfill waste and providing a convenient drop-off location for Reusable to-go containers at West End Market. The proposal would fund the purchase of a 12 bushel polycart that would be installed near the entrance to West End Market and rolled inside during non-business hours for emptying. The project cost includes estimates for the polycart, lid, and shipping. Blake Bensman (Sustainability Manager, Dining Services) has reviewed the proposal and supports it. Annual Cost Savings: TBD
8	Bike-friendly infrastructure: This proposal would add or make changes to bike lanes along key campus streets such as Kent St and Washington St. Also, it would change the campus-wide speed limit to 15mph and update signage accordingly.	Office of Sustainability Interns + Graduate Urban Affairs and Planning Association	\$ 95,000.00	This proposal would add and make improvements to bike lanes on Kent Street and Washington Street while reducing the campus speed limit to 15 mph. Promoting alternative transportation is a major part of the Climate Action Commitment and increasing the safety of bicycling on campus roads would assist in this goal. Bicycle lanes would be added to both sides of Washington while removing on-street parking and restriping parts of the roads. The Kent Street bicycle lane would receive protection through the use of bollards to separate the lane from car traffic on the uphill side. The cost estimate of \$95,000 includes materials, labor, and a 20% contingency. Reviewed by Nick Quint (Alternative Transportation Network Manager) and Mike Dunn (Transportation Planning Engineer) and they support it. Annual Cost Savings: N/A

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
9	Rainwater Harvesting System - Hahn Garden: This proposal would fund the installation of a rainwater harvesting systems alongside the Hahn Garden Pavilion. Collected water would be used to water plant collections and reduce the Garden's dependence on potable water.	UAP 3354 - Introduction to Environmental Policy and Planning (Urban Affairs and Planning Course)	\$ 3,000.00	This proposal would improve watering operations at Hahn Horticulture Garden and save on domestic water use/costs. The addition of a 500 gallon rainwater cistern connected to the Hahn Pavilion roof gutter system would capture up to 10,000 gallons of water each year. This would decrease their dependency on municipal water and provide educational opportunities for students interested in rainwater harvesting systems. The total project cost is \$3,000 which includes the cost estimates of materials, labor, and 10% contingency. Scott Douglas (Director, Hahn Hort Garden) has reviewed the proposal and supports it. Annual Cost Savings: \$137 Payback period is 22 years.
10	Native Flower Gardens at Roundabouts: This proposal would fund the installation of two native flower gardens at the roundabouts on the east side of the Drillfield by Torgersen Hall and the Newman Library.	UAP 3354 - Introduction to Environmental Policy and Planning (Urban Affairs and Planning Course)	\$ 14,900.00	This proposal would further beautify campus while providing important pollinator habitat in 2 roundabouts near Torgersen Hall. These grassy roundabouts would be transformed to look more like the roundabouts on southgate with native flowers/bushes. The project cost includes materials, contract labor, and a 10% contingency. Jack Rosenberger (Campus Landscape Architect) and Matt Gart (Grounds Landscape Architect) have reviewed the proposal and are in support. Annual Cost Savings: N/A

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
11	Water Bottle Refill Station - Architecture Annex: This proposal would fund the purchasing and installation of a water bottle refill station on the first floor of the Architecture Annex.	Students for Sustainable Practices	\$ 2,700.00	Water bottle refill stations have a long history of being successful projects funded through the Green RFP, which impact all building occupants and have increased in importance during the pandemic. This proposal would fund the installation of an Elkay EZH2O or similar model refill station on the first floor of the Annex. The total cost includes an estimate for materials, labor, and 20% contingency. Jim McDaniel (Minor Modifications Manager) has reviewed the proposal and supports it. Annual Cost Savings: TBD
12	Covered Bike Racks at Residence Halls: This proposal would add covered bike racks to four residence halls.	Graduate Urban Affairs and Planning Association	\$ 100,000.00	This proposal would add 10 bike rack covers and five 8-loop bike racks at various residence halls. Promoting alternative transportation is a major part of the Climate Action Commitment and adding covered bike parking based on the Bike Parking Master Plan would assist in this goal. A cover and bike rack would be added to Hillcrest, Hoge, Payne, and Newman Halls. The cost estimate of \$100,000 includes materials, labor, and a 15% contingency. Reviewed and recommended by Nick Quint (Alternative Transportation Network Manager). Annual Cost Savings: N/A

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
13	Reusable Bag Distribution Pilot at Hokie Grill: This proposal would fund stocking Hokie Grill with reusable Chico Bags for purchase by customers.	MGT 2354 - Leadership for Managers and Entrepreneurs (Management Course) + UAP 3354	\$ 3,600.00	This pilot project would potentially impact 1,000 customers who frequent Hokie Grill by providing an option to avoid single-use plastic waste in support of EO-77. Chico bags or a similar model would be purchased and distributed to 500 customers at Hokie Grill during Sustainability Week and another 500 customers during Climate Action Day in October. This would provide an outreach opportunity to customers while building the case to incorporate reusable bags in more dining halls on campus. The total project cost is \$3,600 which includes the cost estimates of materials and shipping. Coca-Cola funding is requested for this proposal, if possible. Blake Bensman (Sustainability Manager, Dining Services) has reviewed the proposal and supports it. Annual Cost Savings: TBD
14	Low Flow Toilets - Hillcrest Hall: This proposal would fund the replacement of the remaining 1.28+ gal/flush toilets within Hillcrest Hall with 1.0 gal/flush toilets.	Hillcrest Hall Sustainability Officer	\$ 11,500.00	Low flow fixtures are proven water saving technology that would benefit most of the building occupants of Hillcrest Hall. The proposal would add up to 10 low flow toilets to the areas that need them, which would produce annual water savings of approximately 52,000 gallons. Todd Pignataro (Assoc. Director, Facilities Management) has reviewed the proposal and supports it. Annual Cost Savings: \$310 Payback period is 37 years.

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority Order	Title & Description	Student Organization	One-Time Cost	Impacts
15	MMTF Bicycle Locker: This proposal would replace five parking spaces in the Perry Street Garage with a bike locker area for secure, long term storage of campus users' bicycles.	VT Triathlon Club	\$ 63,000.00	This proposal would further enhance bicycling infrastructure near the Hokie Bike Hub and MMTF by providing secure storage in Perry Street Parking Garage. The proposal would remove 5 parking spaces and replace them with three 8-loop and three 6-loop bicycle racks. It would also add a Dero fix-it station along with 24 lockers and a bench. Security would be provided through fencing, 2 security cameras, and Hokie Passport access. The total project cost estimate of \$63,000 includes materials, labor, and 20% contingency. Nick Quint (Transportation Network Manager) has reviewed the proposal and supports it. Annual Cost Savings: TBD
15 Proposals	10 Student Organizations		\$ 399,170.00	

2021-2022 GREEN RFP "SELECT PROPOSALS" PRIORITY TABLE

Priority	Title	Cost
1	Occupancy Sensors - Shanks Hall	\$3,500
2	Strouble Creek Restoration (Phase 5)	\$15,000
3	Bee Box - Hahn Garden	\$800
4	Wildflower Meadow at Grove Lane Pond	\$4,800
5	Stadium Woods Restoration	\$78,200
6	Pollinator Garden - Huckleberry Trail	\$2,700
7	Reusable To-Go Container Drop-Off Bin - West End Market	\$470
8	Bike-Friendly Infrastructure	\$95,000
9	Rainwater Harvesting System - Hahn Garden	\$3,000
10	Native Flower Gardens at Roundabouts	\$14,900
11	Water Bottle Refill Station - Architecture Annex	\$2,700
12	Covered Bike Racks at Residence Halls	\$100,000
13	Reusable Bag Distribution Pilot at Hokie Grill	\$3,600
14	Low Flow Toilets - Hillcrest Hall	\$11,500
15	MMTF Bicycle Locker	\$63,000
Total		\$399,170

CAC Task Forces Update

CAC Implementation Task Forces

- E&SC Name Change, Charge, Changes to Membership
 - Nathan King (Convener), Todd Schenk, Rosalba Ledezma, Jack Leff, Matt Earnest
- Lessons Learned from CAC Working Group Subcommittees
 - John Randolph (Convener), Jon Clark Teglas, Scott Kerklo
- CAC Goal Task Forces
 - GHG Inventory
 - Simona Fried (Convener), Sean McGinnis, Steve Durfee, Matt Hagy, Rob Lowe, Eli Meyer
 - Climate and Sustainability Education and Research (CSER)
 - John Randolph (Convener), Mary-Ann Ibeziako, Todd Schenk, Jack Leff
 - Climate Justice
 - Jack Leff (Convener), Emily Satterwhite, Shannon Bell
 - Sustainable Campus Culture, Engagement, and Sustainable Choices
 - Jack Leff (Convener), Blake Bensman, Todd Schenk, Simona Fried, Gillian Eastwood

*Canvas resource sent to all task force members: CAC Working Group Subcommittee reports

CAC Task Forces Update

- CAC Goal Task Forces (continued)
 - Town-Gown Sustainability
 - John Randolph (Convener), Wendy Halsey, Emily Vollmer, Carol Davis, Ann Raridon
 - Sustainable Procurement
 - Reed Nagel (proposed convener), Blake Bensman, IT participant to be identified
 - Carbon-Neutral Commuting and Carbon-Neutral Fleet
 - Nick Quint (Convener), Mike Dunn, Durelle Scott, Erik Olsen (invitation extended)
 - Carbon Offset and Management
 - Sean McGinnis (Convener), John Randolph, Mary-Ann Ibeziako, Billy Dudding, Rob Lowe, Eli Meyer
- Review and Revision of Policy 5505
 - Nathan King (Convener), Todd Schenk, Jack Leff
- Sustainability Awards
 - Emily Vollmer (Convener), LaTawnya Burleson, Kristina Cook

CAC Implementation Update



Climate Action Commitment Implementation Update

Projects, programs, studies: lots of things happening but much more to be done

- Goal 1: **Campus GHG inventory** under CAC scope (multi-student IS project) (11/21)
- Goal 2: **Solar development:** 2 MW on 7 building rooftops (contract signed 2/8/22)
Kick-off meeting with contractor SunTribe 2/21/22
- Goal 3: **Steam/power plant:** boiler #12, upgraded power generator (in commissioning)
Chiller Phase 2 upgrade (in commissioning)
Back-up steam plant fuel study to eliminate coal: kick-off meeting 2/17/22
- Goal 4: **Lighting audit** complete,
LED lighting and retro-commissioning projects: \$6M request for both E&G and Auxiliary buildings
- Goal 5: **LEED Gold:** Student Athletic Performance Center (10/21);
Sustainability design criteria for new buildings: Student Life Village TAG, Mitchell Hall
- Goal 6/7: **Zero Waste Campus consultant** study (2/22: 5 proposals from RFP)
- Goal 9: **EV charging stations** on campus (12/21)
Multi-modal Facility under construction; **Blacksburg Transit** partnership: electric buses
- Goal 10: **Faculty retreat** with 50 attendees (9/21), Faculty CALL Miro meeting (2/25/22)
100 core faculty for Climate Action Living Laboratory (CALL)
- Goal 11/13: **Climate Justice Task Force** of Energy & Sustainability Committee (one of 12 E&SC TF)
- Goals 12/13: **Student Engagement** programs of Office of Sustainability (Sustainability Internships; Green RFP (\$240K FY22 projects); Student Sustainability Forum; Green certification programs)
CAC Roadshow: meetings with campus leaders to promote university-wide engagement in CAC



Climate Action Commitment Implementation

Going Beyond CPIF: Engaging the Entire University (CAC goals 4, 5, 6, 7, 9, 10, 11, 12, 13, 14)

CAC Roadshow: meetings with campus leaders, faculty, commissions, groups to promote university-wide engagement in CAC implementation:

- Faculty Retreat (9/17/21)
- Senior Vice President-Chief Business Officer leadership (11/1/21)
- Division of Student Affairs leadership (2/23/22)
- Faculty Climate & Sustainability Education meeting (2/25/22)
- VP for Equity and Accessibility (3/2/22)
- Enterprise Administrative & Business Services leadership (3/10/22)
- University Council (5/2/22)
- Others: President's Cabinet/Council, Provost leadership, Athletics, Governance commissions, Senates





Climate Action Commitment Implementation



Faculty Engagement:

Climate & Sustainability Education & Research Climate Action Living Laboratory

Vision: Virginia Tech is a leader in addressing our most pressing climate and sustainability challenges through transdisciplinary approaches, experiential learning, & strong partnerships

Goals:

1. Expand VT's already noteworthy disciplinary and transdisciplinary climate and sustainability research to play an increasing role in solving the world's major problems.
2. Coordinate, collaborate, and advance Virginia Tech's curricula of majors, minors, and courses related to climate and sustainability to educate the leaders of tomorrow.
3. Use campus climate and sustainability initiatives as testbeds for experiential learning through coursework and cutting-edge research through sponsored projects and use faculty expertise to inform campus climate action (Climate Action Living Laboratory).

Climate Action Commitment Implementation

Faculty Engagement:

Miro Exercise and Virtual Meeting (2/25/22) to

- Identify faculty addressing climate & sustainability in teaching, research and outreach/extension
- Inventory what they are doing
- Identify areas of common interest and potential collaboration
- Identify opportunities for faculty and student involvement in VT campus climate action
- Brainstorm options for institutionalizing VT Climate & Sustainability Education & Research

Let's take a quick look at our Miro platform

(Thanks to Todd Schenk, Sean McGinnis, and Jack Leff)





Agenda

- Welcome and Opening Remarks
- Approval of Proposed Agenda (if a quorum is present)
- Meeting Minutes: Electronic Vote Results
- Old Business
 - 2021-2022 Green RFP Prioritization of Select Proposals and Vote
 - CAC Task Forces Update
 - CAC Implementation Update
- **New Business**
 - Earth Week 2022
- Open Discussion

Earth Week 2022

Collaboratively planned week of events

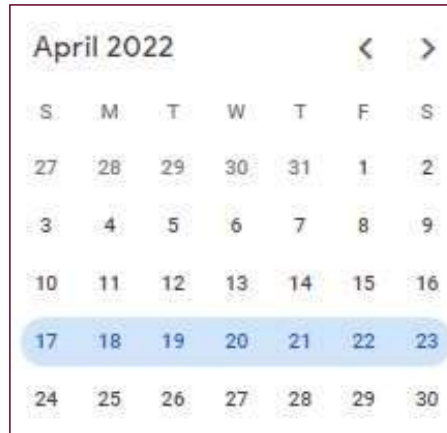
- Celebrate progress
- Educate others
- Engage peers and community

Earth Week Planning Forums

- Working in collaboration with:
 - 20 student groups
 - 14 campus units/depts
 - 6 community groups
- 22 events currently planned

April 17-23

- **Sunday** – Consumerism/Reduce and Reuse
- **Monday** – Alternative Transportation and Energy
- **Tuesday** – Environmental Justice
- **Wednesday** – Community and Service
- **Thursday** – Habitats and Biodiversity
- **Friday** – Art and Wellness
- **Saturday** – Beyond Earth Day



Open Discussion

- **2021-2022 Green RFP Prioritization of Select Proposals and Vote**
- **E&SC Task Forces**
- **Climate Action Implementation Update**
- **Earth Day**

Next Meeting:

**March 28, 2022
2:00 p.m. via Zoom**

