

# UVA's Sustainability Plan and Green Procurement

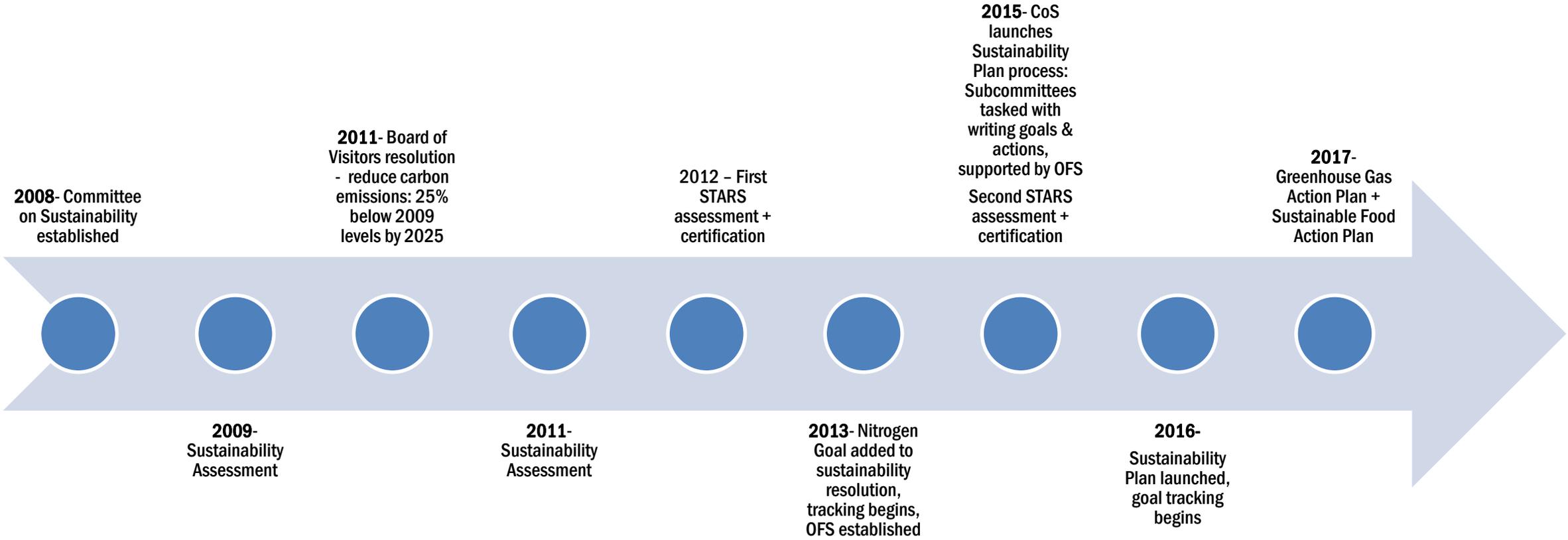
December 6, 2017

# University of Virginia

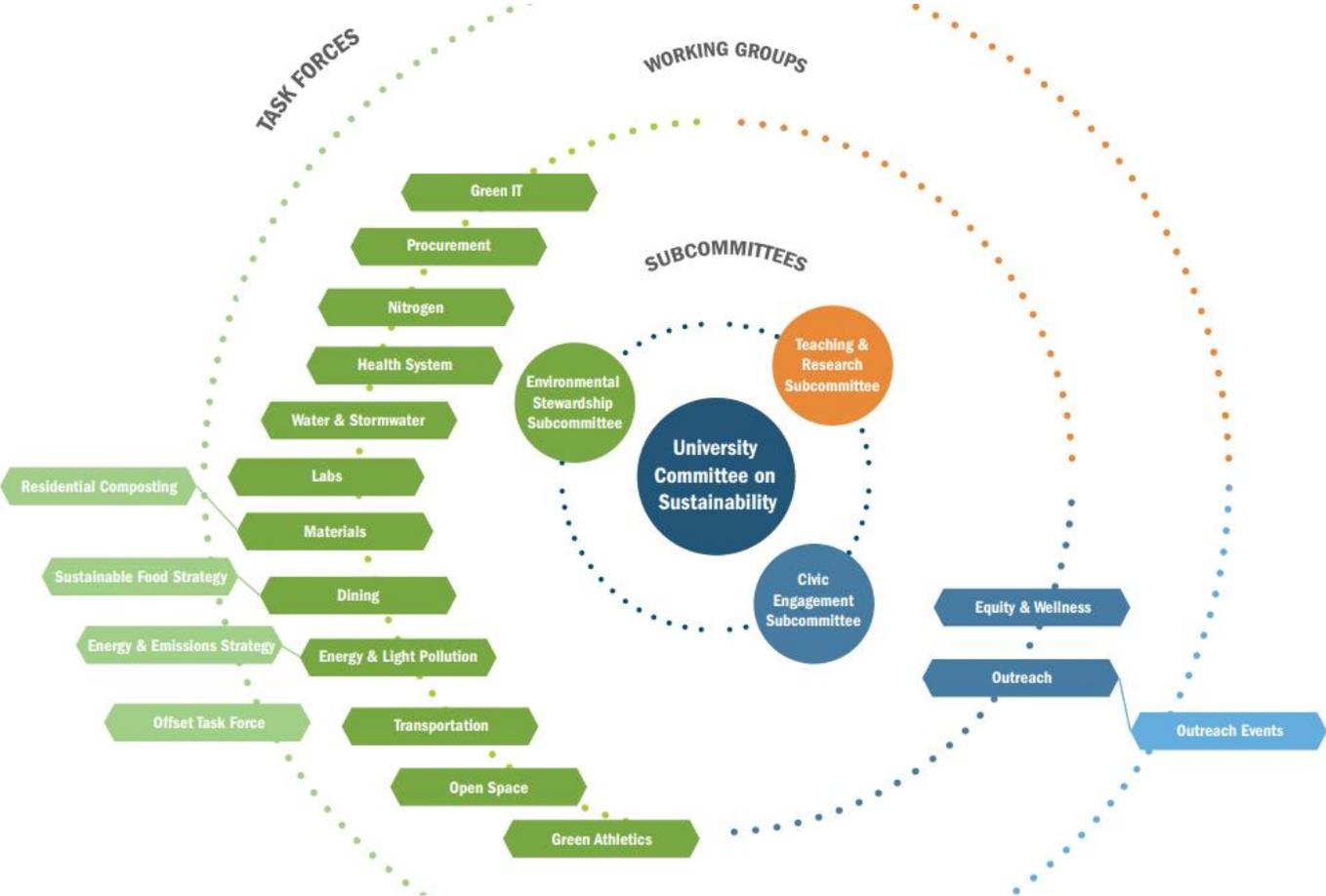
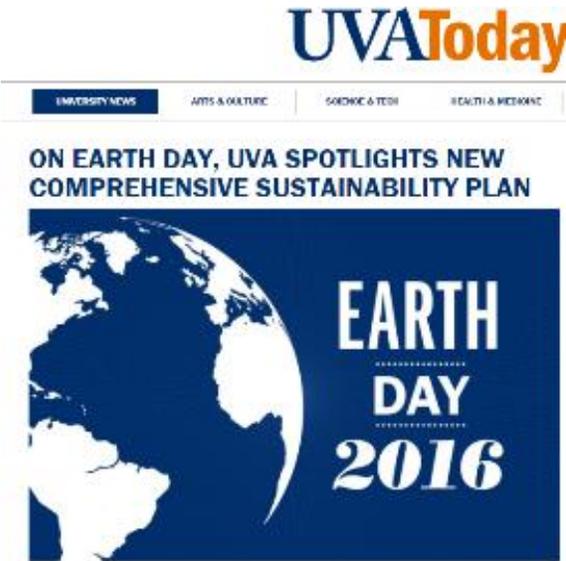


- Founded by TJ in 1819
- 14,600 undergrad, 6,300 grad
- 13,000 faculty and staff
- 11 schools
- 525 buildings
- 16.5 million square feet
- 1600 acres
- UNESCO World Heritage site
- Health System – 604 bed hospital, trauma center, 750,000 outpatient visits

# Sustainability Strategic Planning Background



# Sustainability Plan Process



**120+** contributors and reviewers  
**15** working groups

**23** goals  
**103** targeted initiatives

# Sustainability Plan Structure



## STEWARD



- Greenhouse Gas
- Energy
- Nitrogen
- Water
- Materials and Waste
- Land and Building Use
- Food
- Investments

## ENGAGE



- Awareness
- Engagement
- Health
- Equity

## DISCOVER



- Research
- Curriculum
- Grounds as a Learning Tool

# Sustainability Plan Outline

## STEWARD

## ENGAGE

## DISCOVER

Reduce greenhouse gas emissions 25% below 2009 levels by 2025.

Reduce building energy use intensity 20% below 2010 levels by 2020.

Form connections with our larger community through UVA and UVA Foundation lands.

Collaborate within UVA and with the region...to advance sustainable food systems in the broader community.

Increase sustainability awareness within the UVA community.

Enhance sustainability research and UVA's reputation as a locus of sustainability.

Reduce reactive nitrogen emissions 25% below 2010 levels by 2020.

Reduce potable water use 25% below 2010 levels by 2035.

Increase efficiency of UVA land and buildings to limit the need for new construction.

Reduce food waste and single-use food serving items sent to landfill by 2030, in alignment with the overall UVA waste goals.

Incorporate social, environmental, and economic sustainability considerations into strategic initiatives.

Enhance sustainability-focused teaching and curricular development.

Reduce the total tonnage of waste generated at UVA 50% below 2014 amounts by 2030.

Landfill less than 2000 tons of waste annually by the year 2030.

Annually increase the percentage of sustainable food and beverages available on Grounds.

Reduce the energy and water impact of dining operations.

Cultivate healthy and equitable places for learning, living, & working.

Utilize the Grounds as a learning tool through collaboration between operational and academic units.

Increase environmentally preferable purchasing as a percentage of purchases.

Enhance and expand the number of sustainable and meaningful sites and buildings.

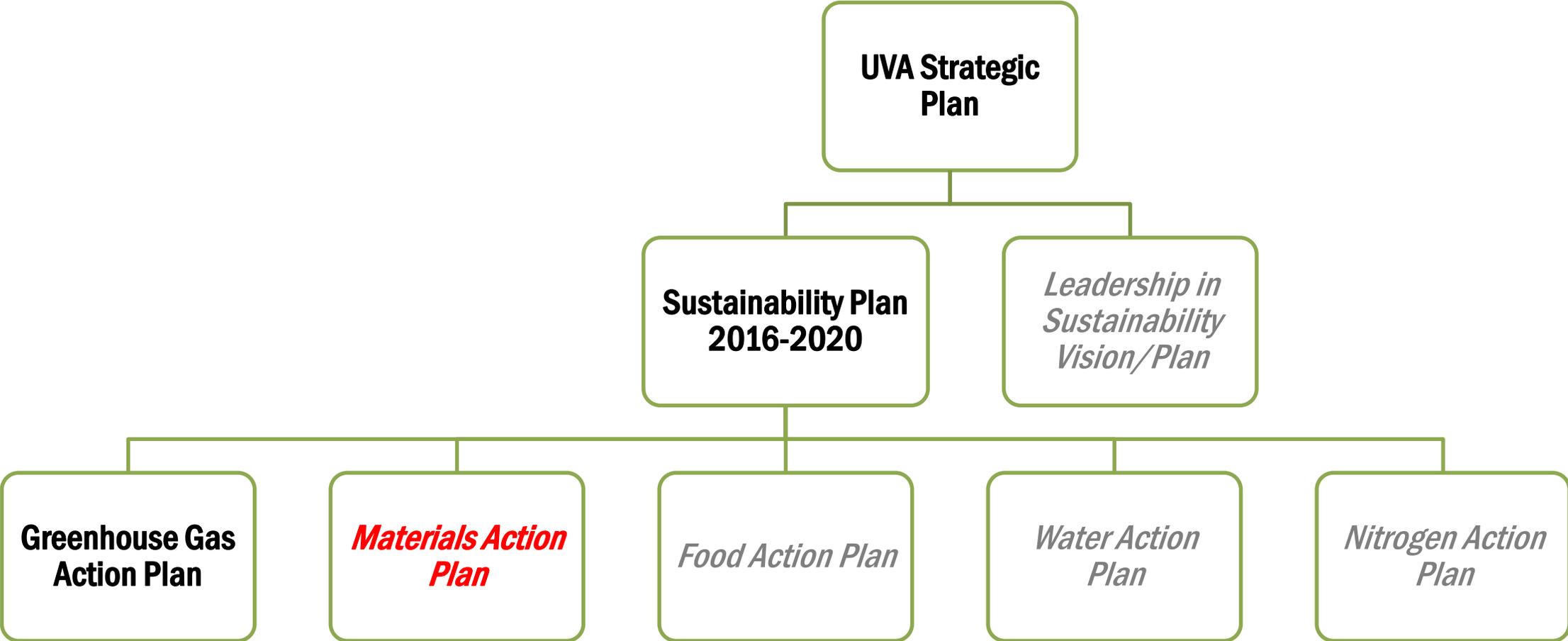
Increase student, staff, and faculty awareness of sustainable food systems...

Consider environmental, governance, social, and ethical issues in managing institutional investment assets.

Increase sustainability engagement beyond Grounds.

UNIVERSITY OF VIRGINIA  
SUSTAINABILITY PLAN  
2016 - 2020

# Action Plans Are In Development



# ENGAGE



**Incorporate social, environmental, and economic sustainability considerations into strategic initiatives.**



**Increase sustainability engagement beyond Grounds.**



**Increase sustainability awareness within the UVA community.**



**Cultivate healthy and equitable places for learning, living, & working.**

# ENGAGE

## Student leadership

- 35 + student organizations
- Career development

## Collaboration

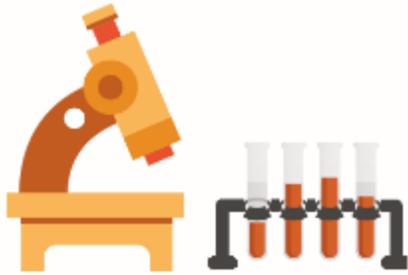
- 85+ events
- Alumni engagement

## Social + Environmental Intersections

- Equity and Environment Fund



# DISCOVER



**Enhance sustainability research and UVA's reputation as a locus of sustainability.**



**Enhance sustainability-focused teaching and curricular development.**



**Utilize the Grounds as a learning tool through collaboration between operational and academic units.**

# DISCOVER

## Research

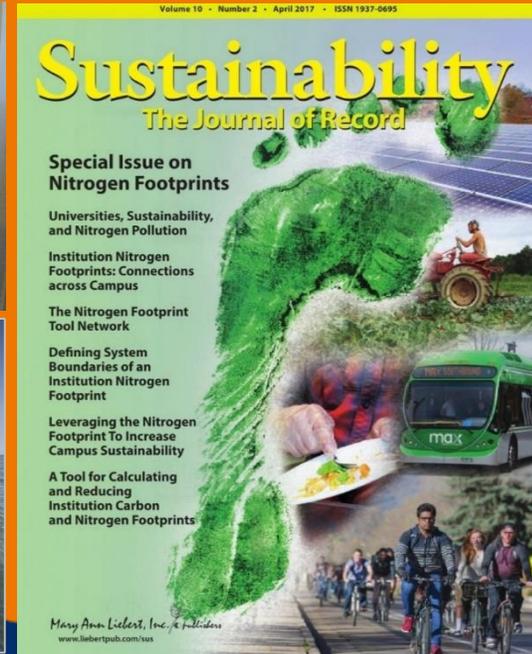
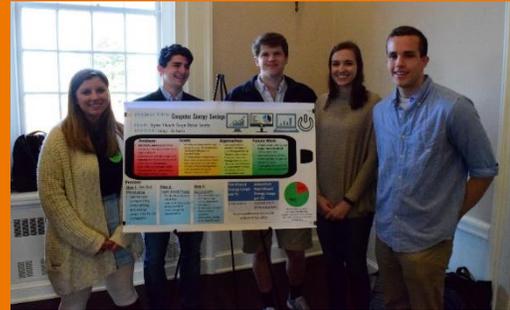
- Environmental Resilience Institute
- 6 Sustainability Plan grants for research

## Curriculum

- 160+ sustainability-related courses
- 5 grants for course development

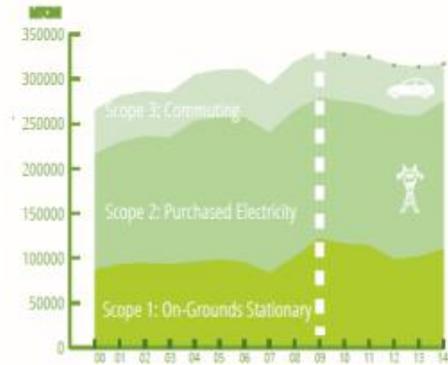
## Grounds a Learning Tool/Experiential Learning

- GIFT grant funding
- 3 Grounds as a Learning Tool grants
- Global Sustainability course projects



Photos: UVA Communications

# STEWARD



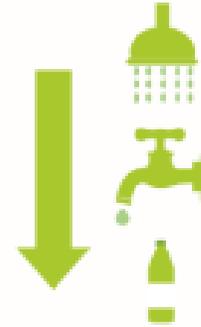
**Reduce greenhouse gas emissions 25% below 2009 levels by 2025.**

**Reduce building energy use intensity 20% below 2010 levels by 2020.**

# STEWARD



**Reduce reactive nitrogen emissions 25% below 2010 levels by 2020.**



**Reduce potable water use 25% below 2010 levels by 2035.**

# STEWARD



**Increase efficiency of UVA land and buildings to limit the need for new construction.**



**Form connections with our larger community through UVA and UVA Foundation lands.**



**Enhance and expand the number of sustainable and meaningful sites and buildings.**



# STEWARD



Annually increase the percentage of sustainable food and beverages available on Grounds.



Reduce the energy and water impact of dining operations.



Reduce food waste and single-use food serving items sent to landfill by 2030, in alignment with the overall UVA waste goals.



# STEWARD



**Increase environmentally preferable purchasing as a percentage of purchases.**



**Reduce the total tonnage of waste generated at UVA 50% below 2014 amounts by 2030.**



**Landfill less than 2000 tons of waste annually by the year 2030.**

# STEWARD – GREEN PROCUREMENT



**Reduce the total tonnage of waste generated at UVA 50% below 2014 amounts by 2035.**

## *Action*

Finalize and implement a 2016-2030 Waste Reduction Action Plan, outlining strategies to meet the goal. At a minimum:

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Create a set of procurement policies to minimize waste, such as packaging reduction and incentivizing the use of salvaged or surplus materials.

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Institute sustainability training for all purchasers.

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Include food-related waste reduction strategies (see Food section).

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## *Lead*

OFS  
ESS

WRGTF

PWG

PWG

## *Target year*

2016

2020

2019

2016

# STEWARD – GREEN PROCUREMENT



**Increase environmentally preferable purchasing as a percentage of purchases.**

## *Action*

Standardize and streamline means of sustainable purchasing data tracking and analysis.

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Create a set of procurement policies with agreements that require adherence to minimum environmental standards, with an associated handbook for sustainable purchasing.

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Expand Building Services' Green Seal program to the majority of UVA buildings. Require that other custodial vendors employ green cleaning practices.

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## *Lead*

PWG

PWG

PWG  
FM

## *Target year*

2019

2019

2020

# Green Procurement Working Group

Members:

- Office for Sustainability
- UVA Recycling
- FM – Procurement
- FM – Renovations
- ReUse Store
- Interested Faculty/Staff



# GREEN PROCUREMENT PROJECTS

## Reusable Office Supply Exchange (ROSE)

**Overview:** Provide a permanent and mobile storefront for gently used office supplies.

**Purpose:** Allows an outlet for the donation of previously purchased unneeded office supplies. Reduces waste to landfill and offsets the need for new supplies.



# GREEN PROCUREMENT PROJECTS

## ReUse Store

**Overview:** Support the opening of the new ReUse Store

**Purpose:** Ensure that purchasers know about the ReUse Store, see it as a viable/easy option and understand why the ReUse store could be a better choice than buying new furniture.



**Reduce the total tonnage of waste generated at UVA 50% below 2014 amounts by 2035.**

# GREEN PROCUREMENT PROJECTS

## Greening Request for Proposals

**Overview:** Explore the possibility of creating a standard, uniform sustainability clause/question that could be added into specific types of RFPs that easily lend themselves to such a clause, such as those for furniture vendors.

**Purpose:** Help ensure that sustainable practices are carefully considered when selecting a vendor; raise awareness of sustainable practices



# GREEN PROCUREMENT PROJECTS

## America-To-Go Zero Waste Catering – Part I: Vendors

**Overview:** Clarify UVA's requirements for zero waste catering, the process for becoming a vendor, and the advantages to vendors for offering zero waste option at UVA.

**Purpose:** Ensure consistency in zero waste catering and encourage greater vendor participation.



**Reduce the total tonnage of waste generated at UVA 50% below 2014 amounts by 2035.**

# GREEN PROCUREMENT PROJECTS

## America-To-Go Zero Waste Catering – Part II: Customers

**Overview:** Increase visibility of zero waste catering options, help streamline the zero waste event process, and highlight the advantages of zero waste catering.

**Purpose:** Encourage more employees to choose zero waste caterers.



**Reduce the total tonnage of waste generated at UVA 50% below 2014 amounts by 2035.**

# GREEN PROCUREMENT PROJECTS

## Enhancements to the Green Workplace Program

**Overview:** Review the procurement-related actions in the Green Workplace Program and 1) create guides/flyers to support certain actions, 2) identify and revise requirements that need clarification, 3) propose new or modified requirements.

**Purpose:** Ensure that important sustainable purchasing practices are included in the Green Workplace Program.



**Increase environmentally preferable purchasing as a percentage of purchases.**

# GREEN PROCUREMENT PROJECTS

## Departmental purchasers education campaign

**Overview:** Establish a regular channel of communication with purchasers by identifying relevant, timely sustainable purchasing topics.

**Purpose:** To raise awareness of sustainable practices and purchasing within departments and to establish a regular communication channel with purchasers.



**Increase environmentally preferable purchasing as a percentage of purchases.**

Questions?