West Grounds Update May 21, 2010 Office of the Architect for the University

Grounds Plan
Precinct Planning
Capital Projects
Sustainability





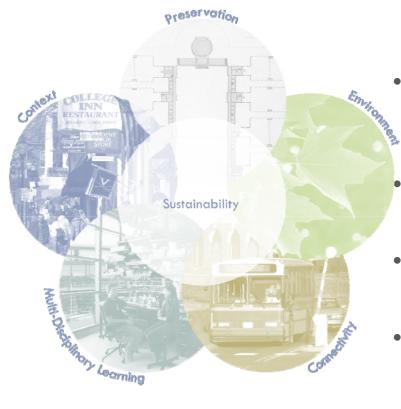
Long-range plan, 2015, 2025

Directs projected growth into specific redevelopment zones

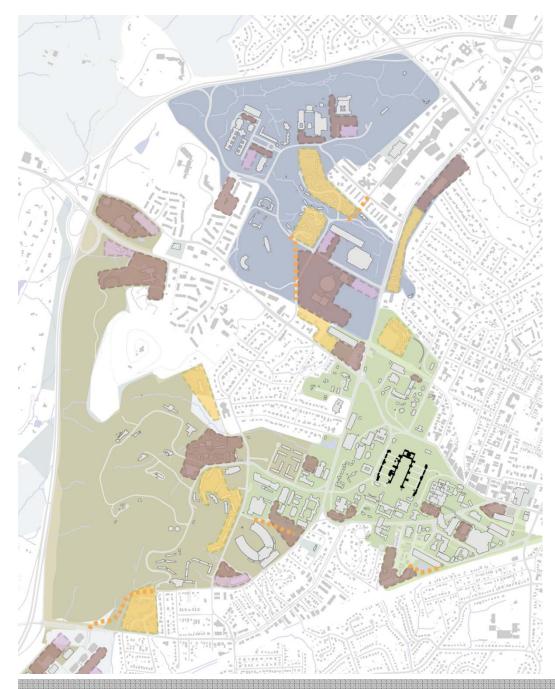
Focused on sustainability

- Preservation
- Context
- Multi-Disciplinary Learning
- Connectivity
- Environment

Defines the three precincts

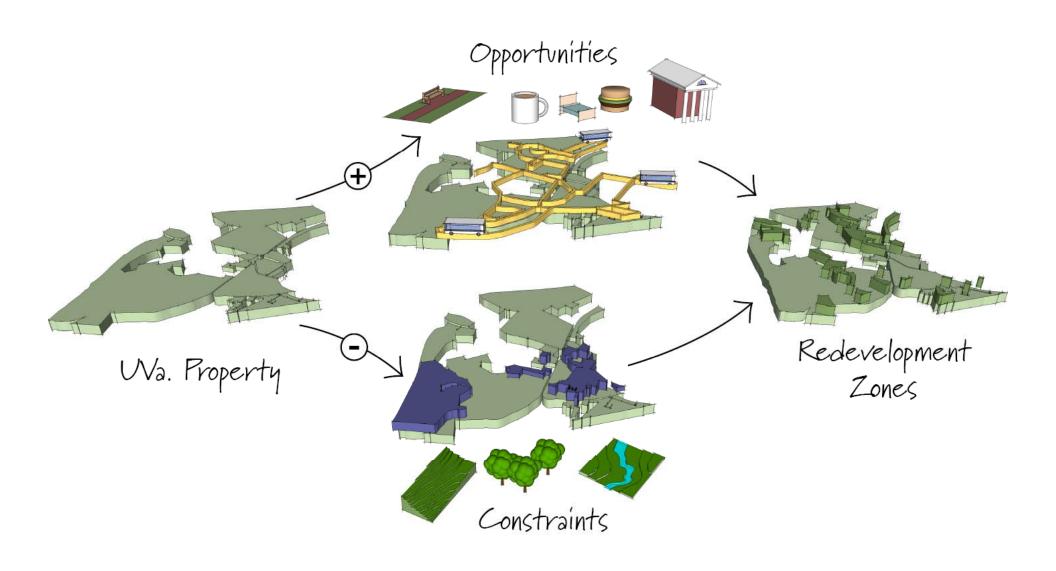


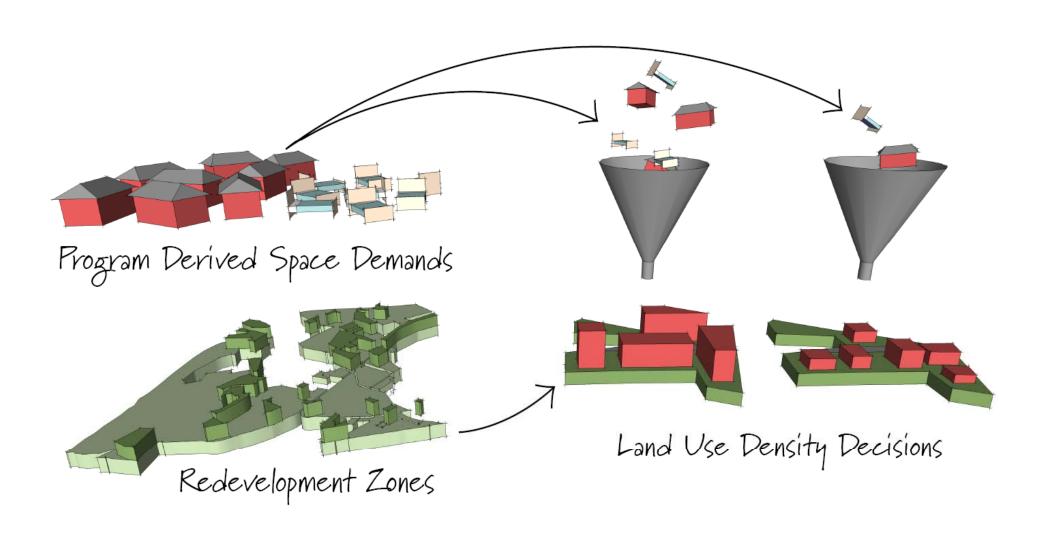
- Environmental maintain and advocate for the protection of our natural environs, including air and water quality
- Context plan for opportunities to connect appropriately with the developed community and surrounding open space
- Connectivity increase linkage throughout campus fabric
- Multi-disciplinary enhance mixed use developments to foster interaction and collaboration
- Preservation continue to enhance our cultural building and landscape resources
- Sustainability protect opportunities for future generations and minimize energy use

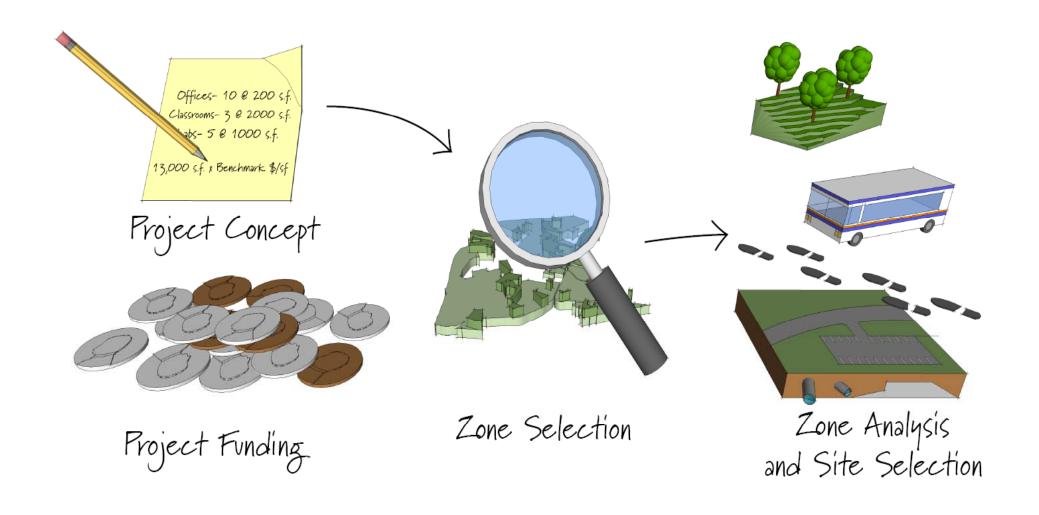


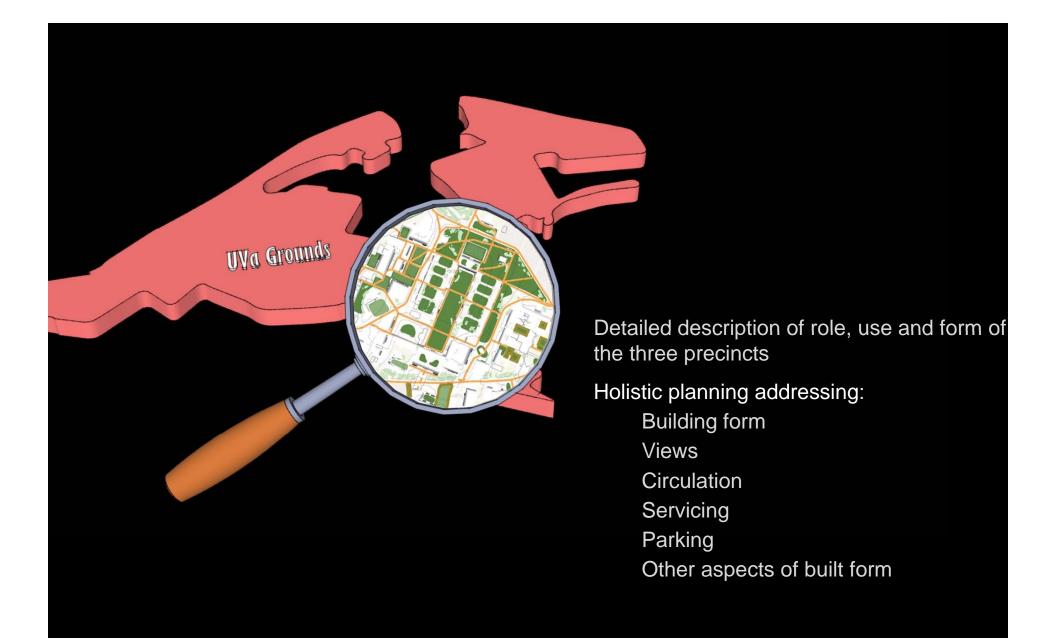
Central Grounds
West Grounds
North Grounds

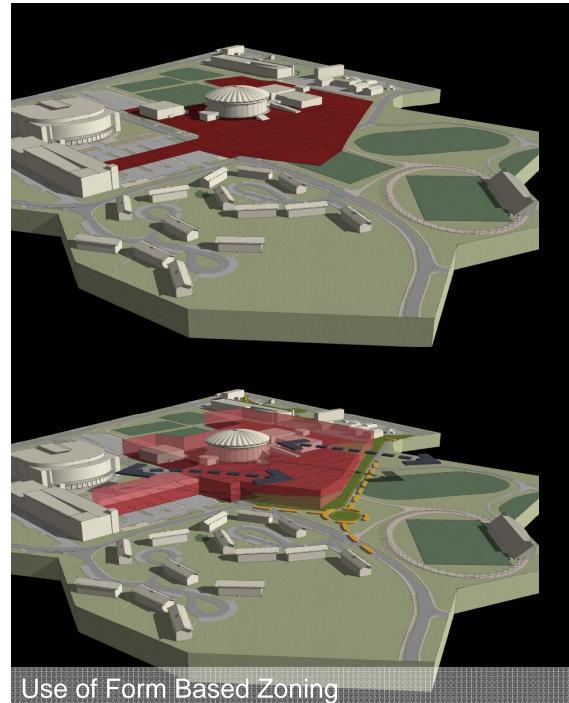






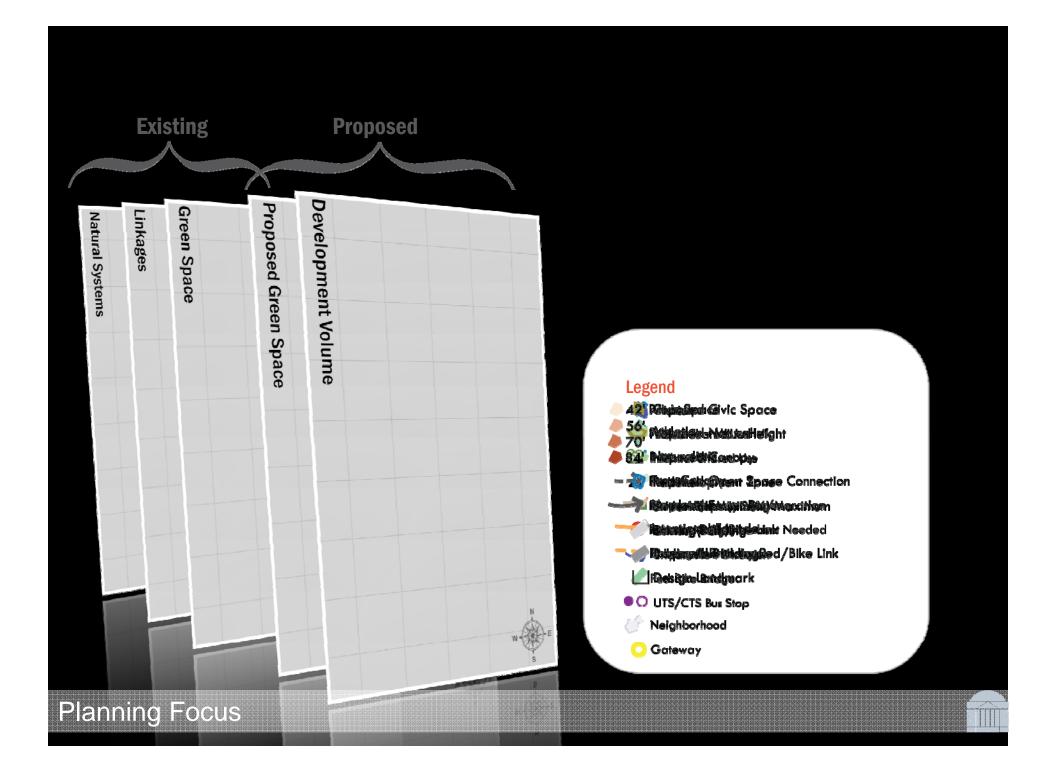






Departure from typical campus planning:

- Zoning for form, not use
- Redevelopment areas established as zones, rather than building sites
- More responsive to changing needs
- Flexibility of use with well-defined form





UVa West Grounds -Proposed Green Space Proposed Civic Space Proposed Naturalistic **89** Proposed Canopy - Proposed Open Space Connection Proposed Forest Regeneration - - Proposed Primary Ped/Bike Link Primary Ped/Bike Link Proposed Green Space System

WEST GROUNDS

Expand tree canopy in natural areas

Increase green space and use it form connections for pedestrians

Additional pedestrian/bicycle corridor connecting the precincts

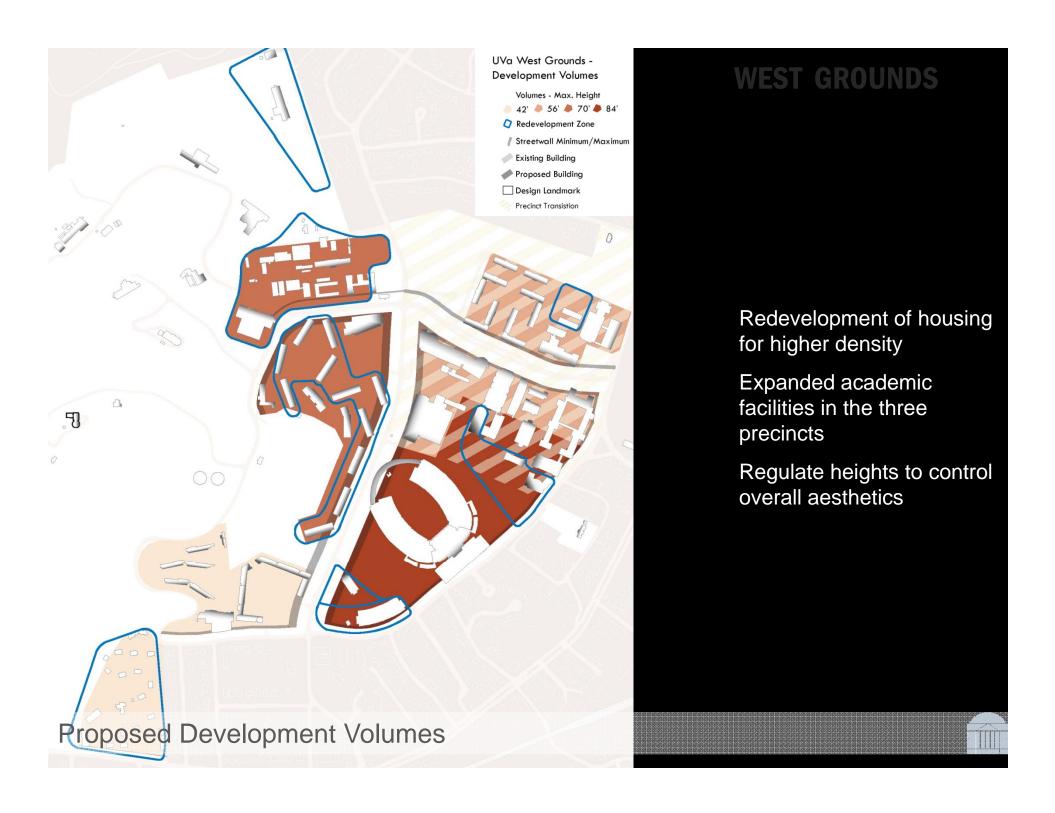


Redevelopment of housing for higher density

Expanded academic facilities in the three precincts

Regulate heights to control overall aesthetics



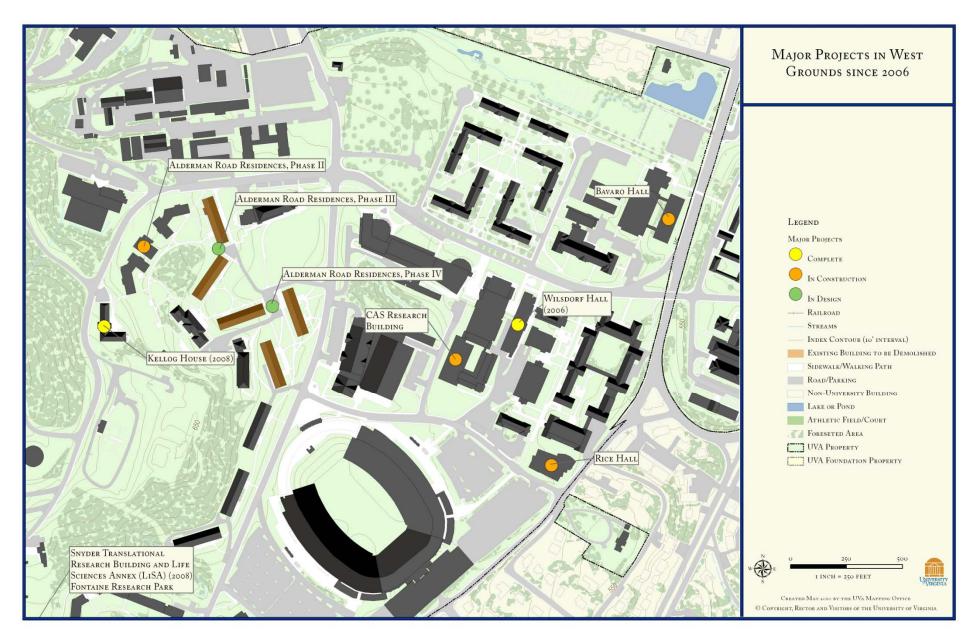
















Wilsdorf Hall

• Project Cost: \$43.4 м

• Architect: VMDO Architects

• Contractor: Barton Malow

• Construction Start: February 2003, Finish: September 2006







Snyder Translational Research Building and Life Sciences Annex (LiSA)

- Project Cost: \$80.5 m (annex \$35.1 m)
- Architect: Perkins and Will
- Contractor: DPR Construction
- Construction Start: April 2006, Finish Snyder: Complete, LiSA: December 2008



Site Map



Phase I - Kellogg House



Phase II – Two Residence Halls and Student Commons Building





Phase III – Two Residence Halls



Phase IV – One Residence Hall







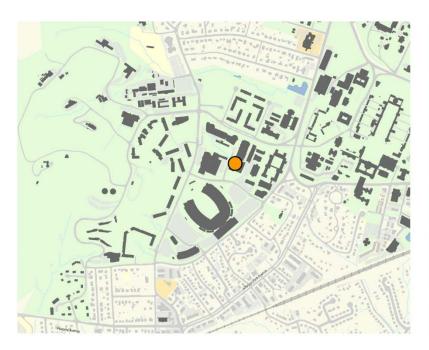




BAVARO HALL - SCHOOL OF EDUCATION

- Project Cost: \$37.4 м
- Architect: Robert A. M. Stern Architects
- Contractor: Donley's
- Construction Start: May 2008, Finish: September 2010
- LEED STATUS: DESIGN APPLICATION; LEED TARGET: GOLD







College of Arts & Sciences Research Building

- Project Cost: \$88.9 м
- Architect: Bohlin Cywinski Jackson
- Contractor: W.M. Jordan
- Construction Start: November 2008, Finish: August 2011
- LEED STATUS: DESIGN APPLICATION; LEED TARGET: GOLD







RICE HALL - Information Technology Engineering Building

• Project Cost: \$76.3 м

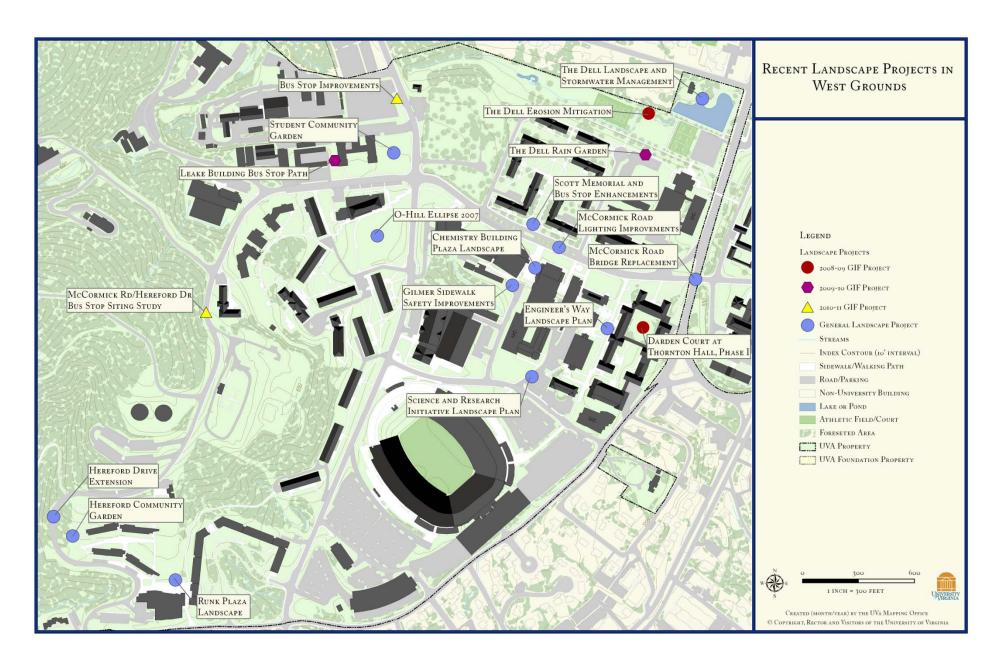
• Architect: Bohlin Cywinski Jackson

• Contractor: W.M. Jordan

• Construction Start: November 2008, Finish: August 2011

• LEED STATUS: DESIGN APPLICATION; LEED TARGET: GOLD













Before





Before











Student Community Garden

Hereford College Farm Garden







Before





Darden Court at Thornton Hall, Phase I
GIF Project submitted by School of Engineering and Applied Sciences



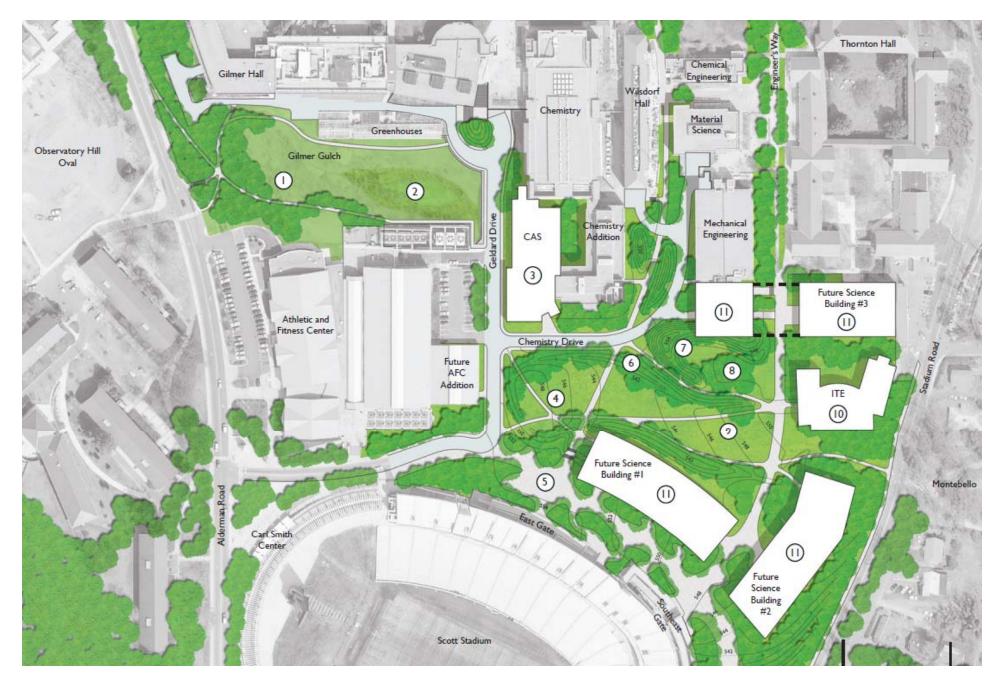
Before After

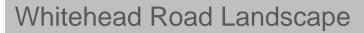




Leake Building Bus Stop Path
GIF Project submitted by Facilities Management

















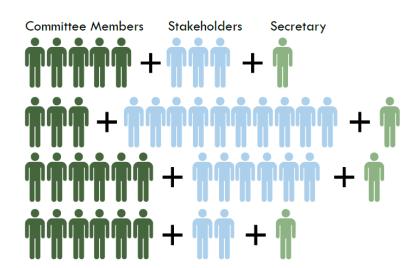




...shall advise the President and Executive Vice President and Chief Operating Officer...on all matters related to the overall quality, diligence, and progress of the University's commitment to...and their relationship to the future of the University.



Committee on Sustainability



Subcommittees

Policies and Procedures

Community Outreach & Communications

Environmental Impact

School and Department Initiatives

Environmental Footprint Reduction Plan

Key Objectives

- Demonstrate continued University leadership in sustainability and environmental impact reductions
- Define a realistic goal for significant reductions in our institution's greenhouse gas emissions
- Detail specific strategies by which to achieve this goal

University of Virginia
Environmental Footprint Reduction Plan
Phase 1 - Greenhouse Gas

Draft Complete (9/09)

University of Virginia
Environmental Footprint Reduction Plan
Phase 2 - Materials

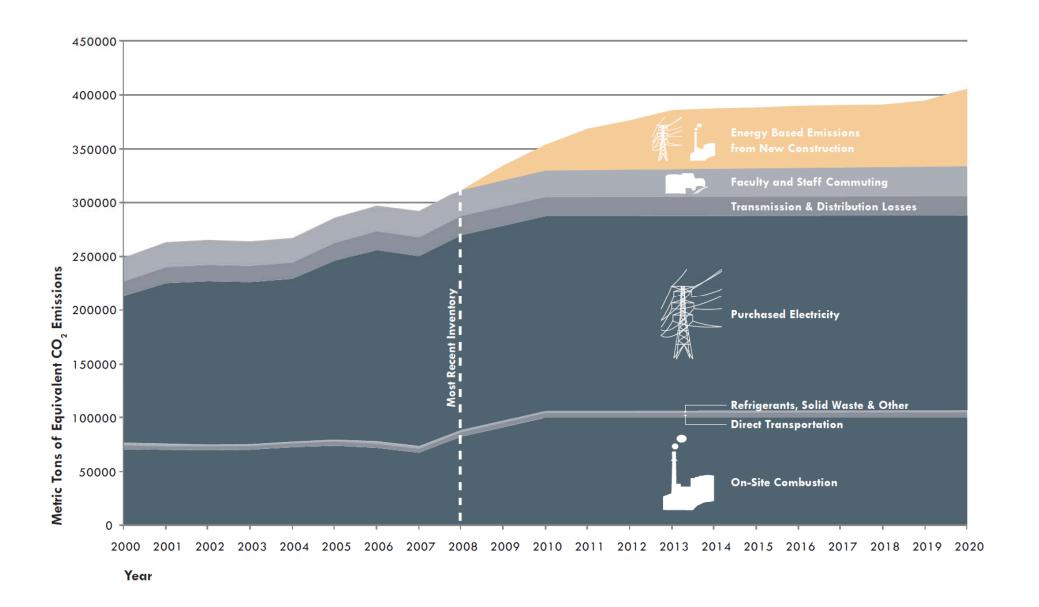
In Draft (5/10)

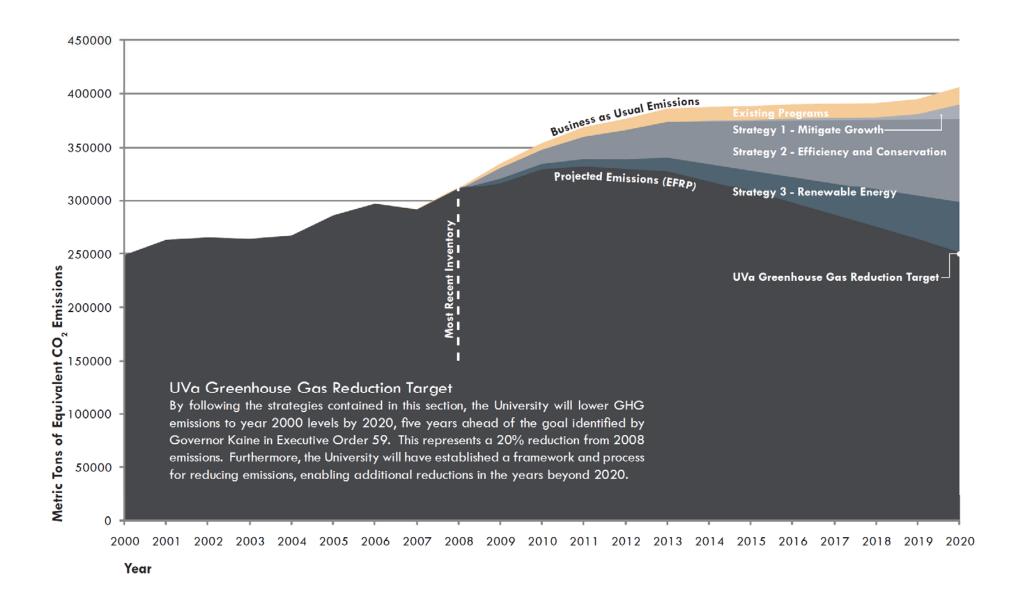
University of Virginia
Environmental Footprint Reduction Plan
Phase 3 - Water

Draft Expected (9/10)

University of Virginia
Environmental Footprint Reduction Plan
Phase 4 - Nitrogen

Draft Expected (9/10)







28

Projects Registered

1

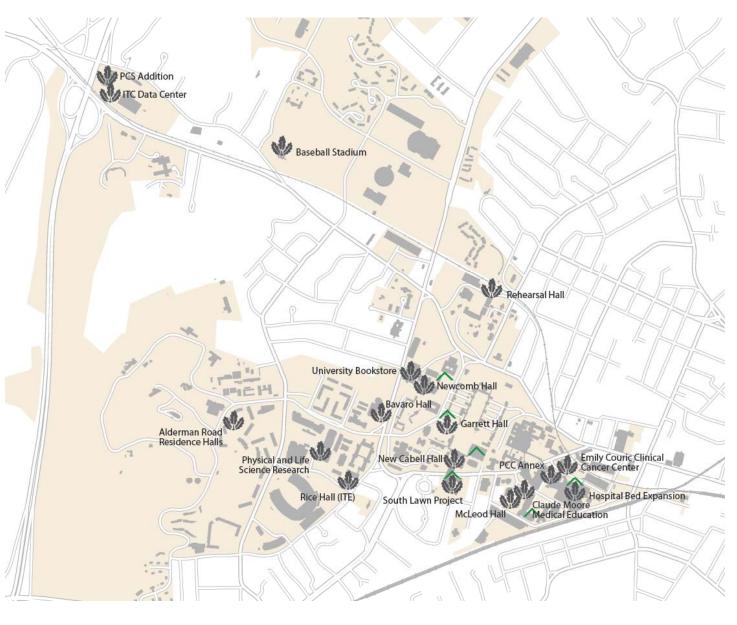
Silver Certified

12

Silver Anticipated

10

Gold Anticipated





Emmet/Ivy Garage

- CFL lighting retrofit and photocell programming
- Less than 2 year payback

-336.8 MTeCO₂ annually



"Delta Force" Sustainability Audits

- Retro commissioning of existing buildings
- Starting with Energy Hogs
- Includes Recycling, Water Conservation Efforts
- Works with building occupants to promote behavior change
- MR-4 completed, Jordan Hall underway

Approximately -2000 MTeCO₂ annually

Transportation Demand Management

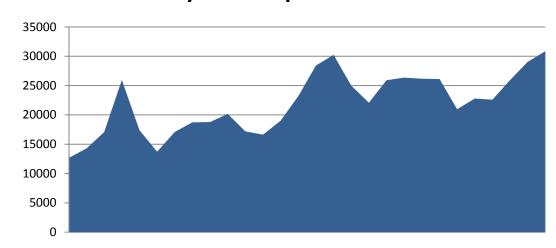
- Promoting the use of alternatives to Single Occupancy Vehicles (SOV)
- Fare Reciprocity Agreement with Charlottesville Transit Service
- Extensive UTS Bus Service
- HoosWhere Bus Finder, GPS-based bus arrival system
- CavPool Carpool Incentive Program
- Occasional Parking Permit
- Guaranteed Ride Home
- Zipcar

Implementing Phase 2 TDM Recommendations

-1600 MTeCO₂ annually



UVa Monthly Ridership on CTS



Renewable Energy Targets

