



UNIVERSITY
of VIRGINIA

Board of Visitors Buildings & Grounds Committee
December 9, 2016

Agenda

Consent Agenda

- A. Plaque Commemorating University Alumnus Who Died in Military Service During the Iraq War
- B. Naming: Entrance Plaza to Thornton Hall as Kullman Plaza
- C. Architect/Engineer Selections: Center for Human Therapeutics; Brandon Avenue Upper-Class Student Residence Hall
- D. Capital Project Procurement Process

Action Item

- A. Project Approval: Pinn Hall Renovation, Third Floor

Schematic Design Reviews

- A. Baseball Stadium Expansion
- B. Ivy Stacks Expansion
- C. Old Ivy Road Office Building

Committee Discussion

- A. Memorial for Enslaved Laborers Planning Update
- B. Sustainability Report

Consent Agenda



Consent Agenda

- A. Plaque Commemorating University Alumnus Who Died in Military Service During the Iraq War
- B. Naming: Entrance Plaza to Thornton Hall as *Kullman Plaza*
- C. Architect/Engineer Selections:
 - 1. Center for Human Therapeutics – Perkins + Will Architects
 - 2. Brandon Avenue Upper-Class Student Residence Hall – Goody Clancy
- D. Capital Project Procurement Process

Action Item



Project Approval



Pinn Hall Renovation, Third Floor

- Enabling project for the Health System Integrated Space Plan
- 1st phase to create state-of-the-art, flexible research space
- Increases research capacity by 30%
- Concurrent with 2nd floor renovation for the Center for Human Therapeutics
- Construction to begin in fall 2017 and be completed in 12 months
- Estimated project cost: \$12.0 million

Schematic Design Reviews

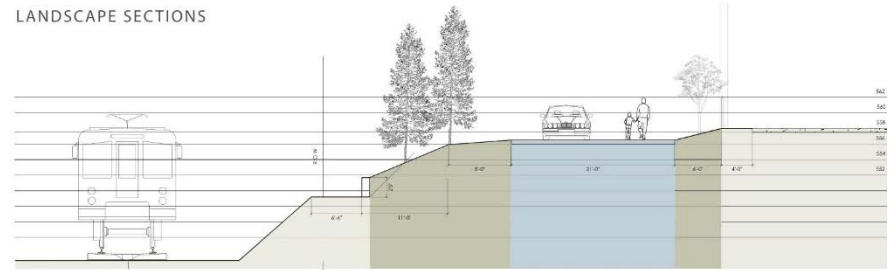


Baseball Stadium Expansion

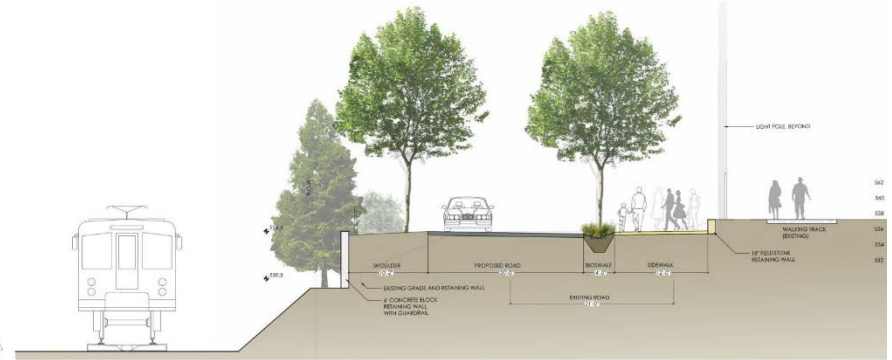


Proposed Site Plan

LANDSCAPE SECTIONS



EXISTING SECTION



PROPOSED SECTION

Existing and Proposed Road Sections

Baseball Stadium Expansion



Baseball Stadium Expansion

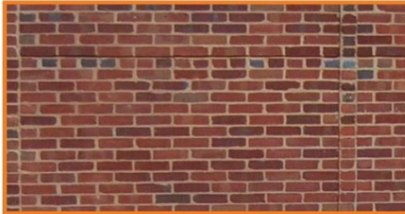


Baseball Stadium Expansion

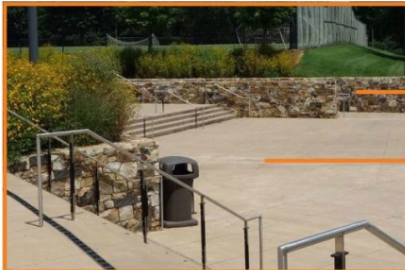
PROPOSED MATERIALS



MEMBRANE ROOFING TO MATCH EXISTING



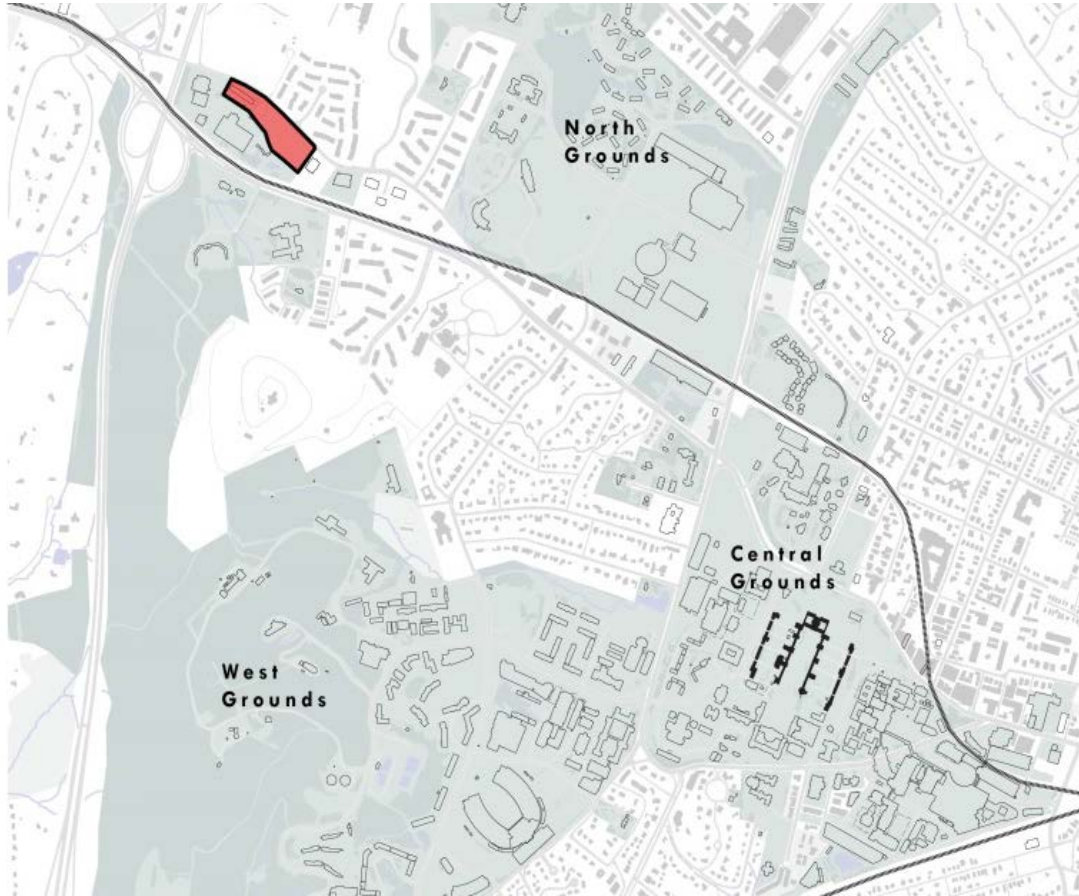
BRICK TO MATCH EXISTING



CONCRETE PLAZA + STONE WALLS TO MATCH EXISTING



Ivy Stacks Expansion and Old Ivy Road Office Building

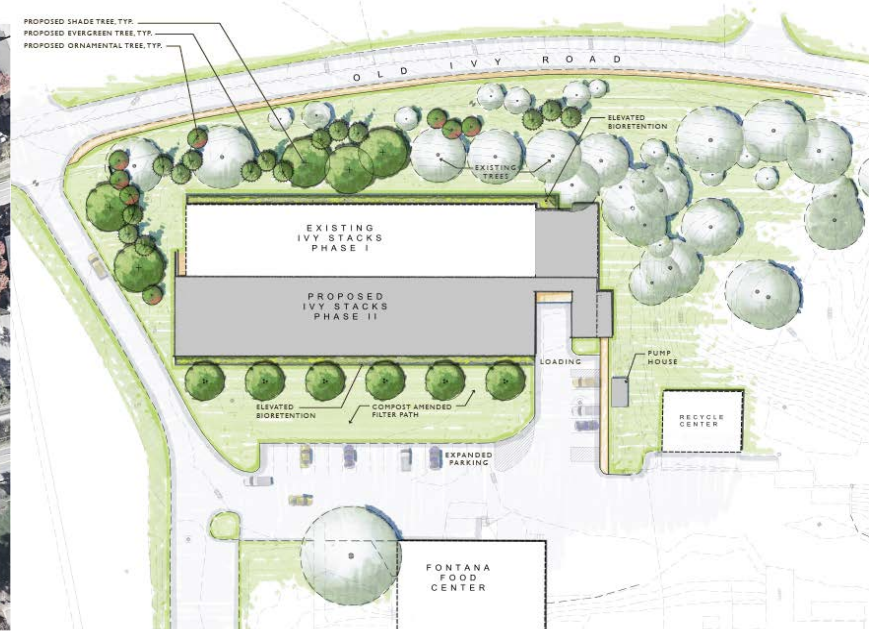


Location Map

Ivy Stacks Expansion



Proposed Site Plan



Proposed Landscape Plan

Ivy Stacks Expansion



Ivy Stacks Expansion



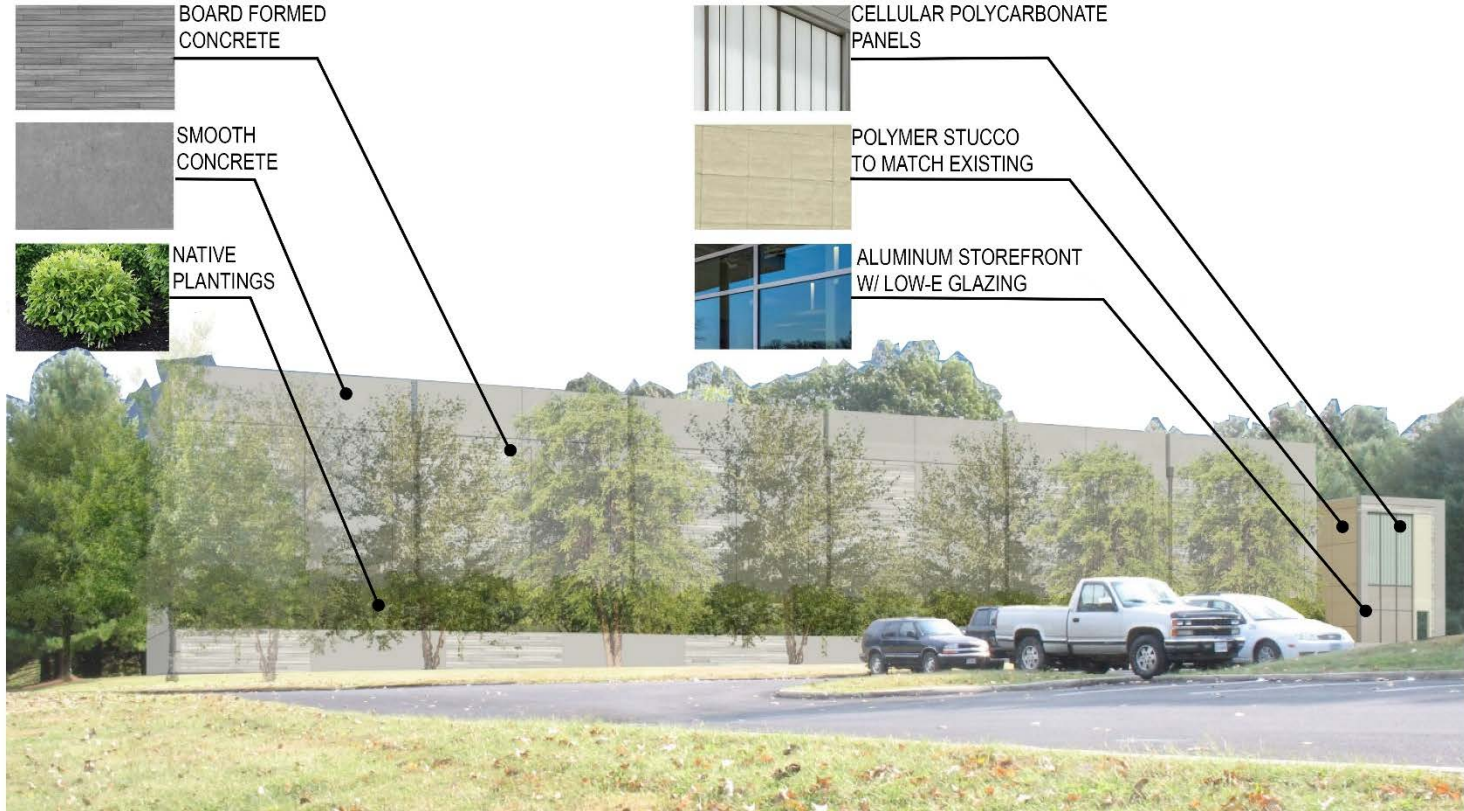
Ivy Stacks Expansion



Ivy Stacks Expansion



Ivy Stacks Expansion



Materials Palette

Old Ivy Road Office Building



Old Ivy Road Office Building



Proposed Site Plan



Jefferson Quarry Office Building



2400 Old Ivy Road

Old Ivy Road Office Building



Old Ivy Road Office Building



Old Ivy Road Office Building



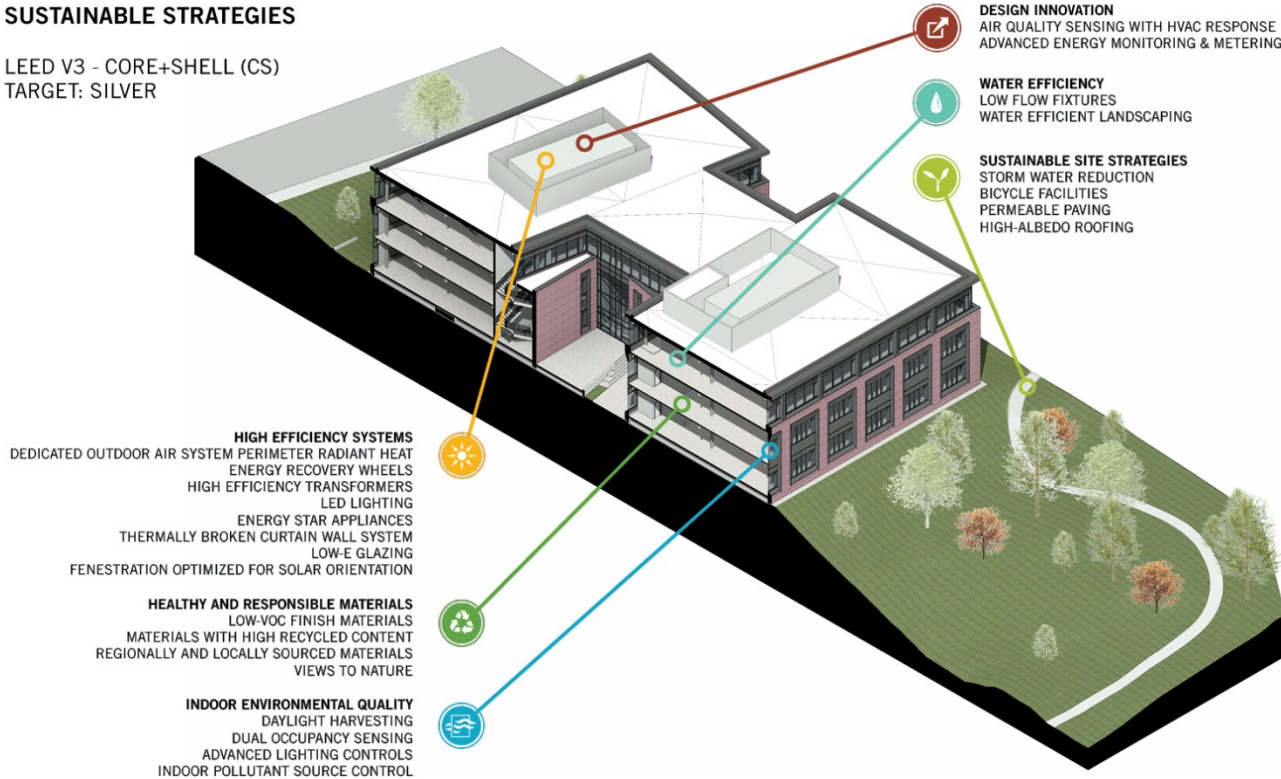
Old Ivy Road Office Building



Old Ivy Road Office Building

SUSTAINABLE STRATEGIES

LEED V3 - CORE+SHELL (CS)
TARGET: SILVER



Committee Discussion



Memorial for Enslaved Laborers Planning Update



Ongoing Activities:

- September: Artist selection
- Site Analysis
- Public Engagement

Upcoming Events:

- Town/Gown Community meeting
- African American Alumni Open House in Northern VA
- Sketch concepts for MLK Day

Sustainability Report

- Regular meetings with Chair of Buildings and Grounds Committee and Co-chairs of the Committee on Sustainability
- Messaging and communication plan around sustainability initiatives
- Program to invest in building infrastructure to advance sustainability across Grounds
- Projects/partnerships with Dominion Virginia Power:
 - Solar rooftop panels on UVa Bookstore and Ruffner Hall
 - Solar facility in King William County



UNIVERSITY
of
VIRGINIA

UVa Solar

In Partnership with Dominion Virginia Power



Dominion[®]



Sustainability Leader

UVa Recognized Locally and Nationally

The University of Virginia will undertake to reduce both annual greenhouse gas emissions and the amount of reactive nitrogen lost to the environment to levels 25% below year 2009 and 2010 amounts, respectively, by the year 2025.



Hollyfield Solar Facility

UVa/Dominion Partnership Overview

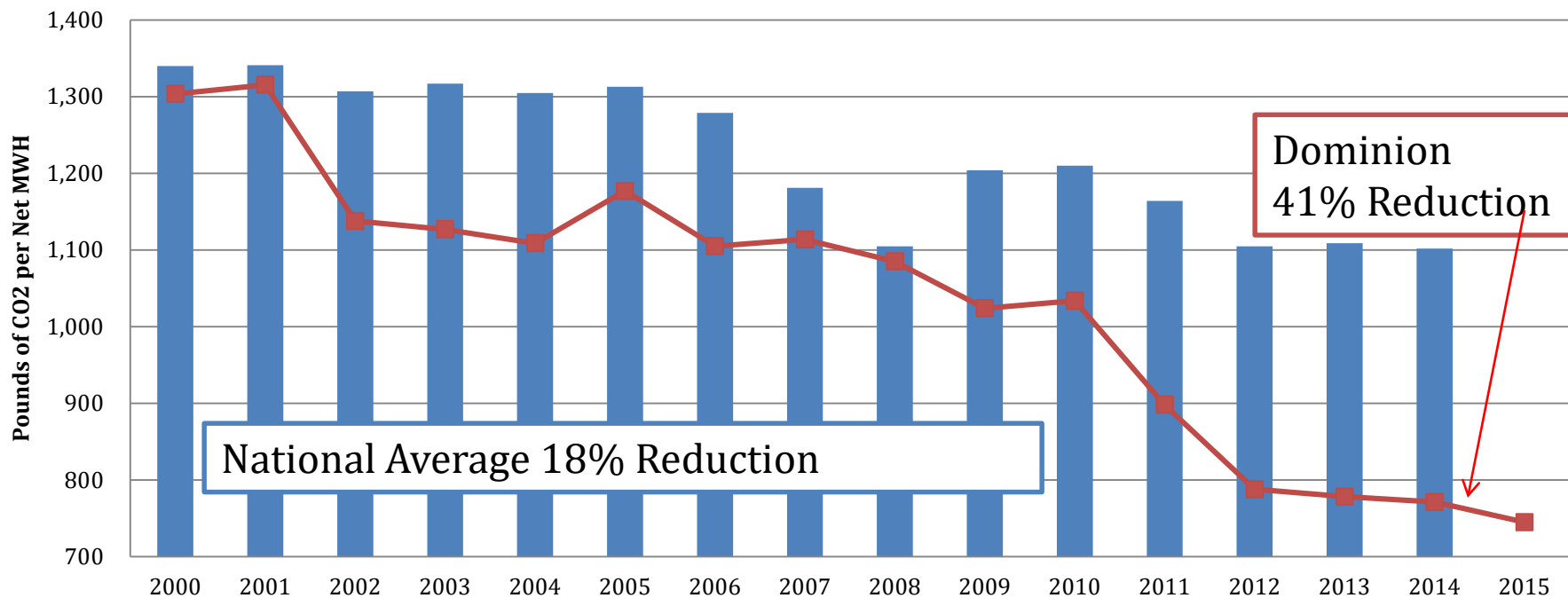
- Long-term renewable energy agreement
- Dominion constructs and operates the facility – no upfront capital costs from UVa
- Offsets 12% of UVa's current electricity use
- Equivalent to removing 18,093 metric tons of carbon dioxide annually
(Source: CA-CP)
- Contributes 15% toward UVa's 2025 greenhouse gas reduction goal
- Darden School of Business participation

Carbon Reduction Industry Leader

Dominion Compared to US Average



Carbon Intensity Reductions (2000-2014)



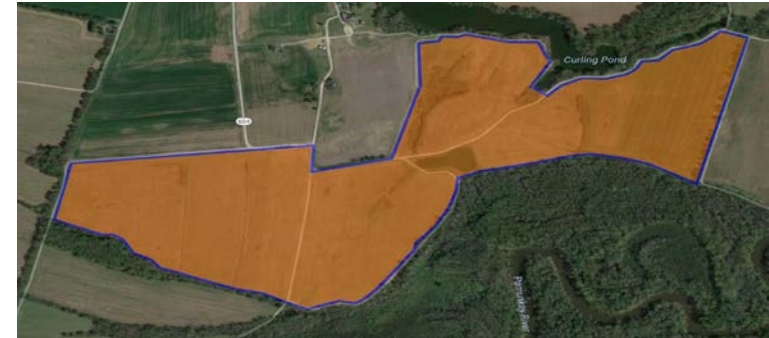
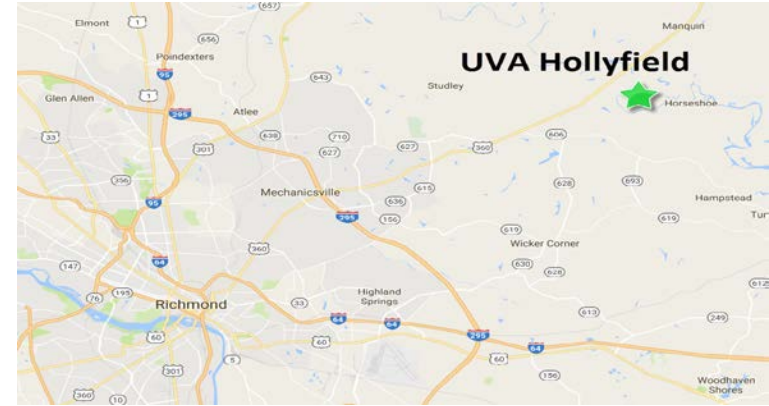
UVA Hollyfield

UVA Dedicated Solar Facility



Facility Overview

- Located in King William County, VA
- 160 acres
- 21.1 MW_{dc}, single axis tracking technology
- Produces ~37,000 MWh annually
- Largest dedicated solar facility for a Virginia university
- Construction to begin December 2017 with expected completion by October 2018



UVA Hollyfield Solar Facility

Commonwealth of Virginia



Benefits

- Furthers Commonwealth's Energy Policy
- Consistent with goals of the Virginia Energy Plan
- Supports Governor McAuliffe's Executive Order 57
- Provides economic benefits
 - Development and construction phase
 - \$24.3 million
 - Post-construction phase
 - \$0.9 million





UNIVERSITY
of
VIRGINIA

UVa Solar

In Partnership with Dominion Virginia Power



Dominion[®]



