VAEEC Spring 2019 Forum

Working Together to Increase Efficiency

Nell Boyle, City of Roanoke

Bill Eger, City of Alexandria

John Morrill, Arlington County

Chris Smeds, Univ. of Virginia

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COMMUNITY HOUSING PARTNERS

Working Together to Increase Efficiency

VAEEC Spring 2019 Forum
Richmond, VA
May 2019

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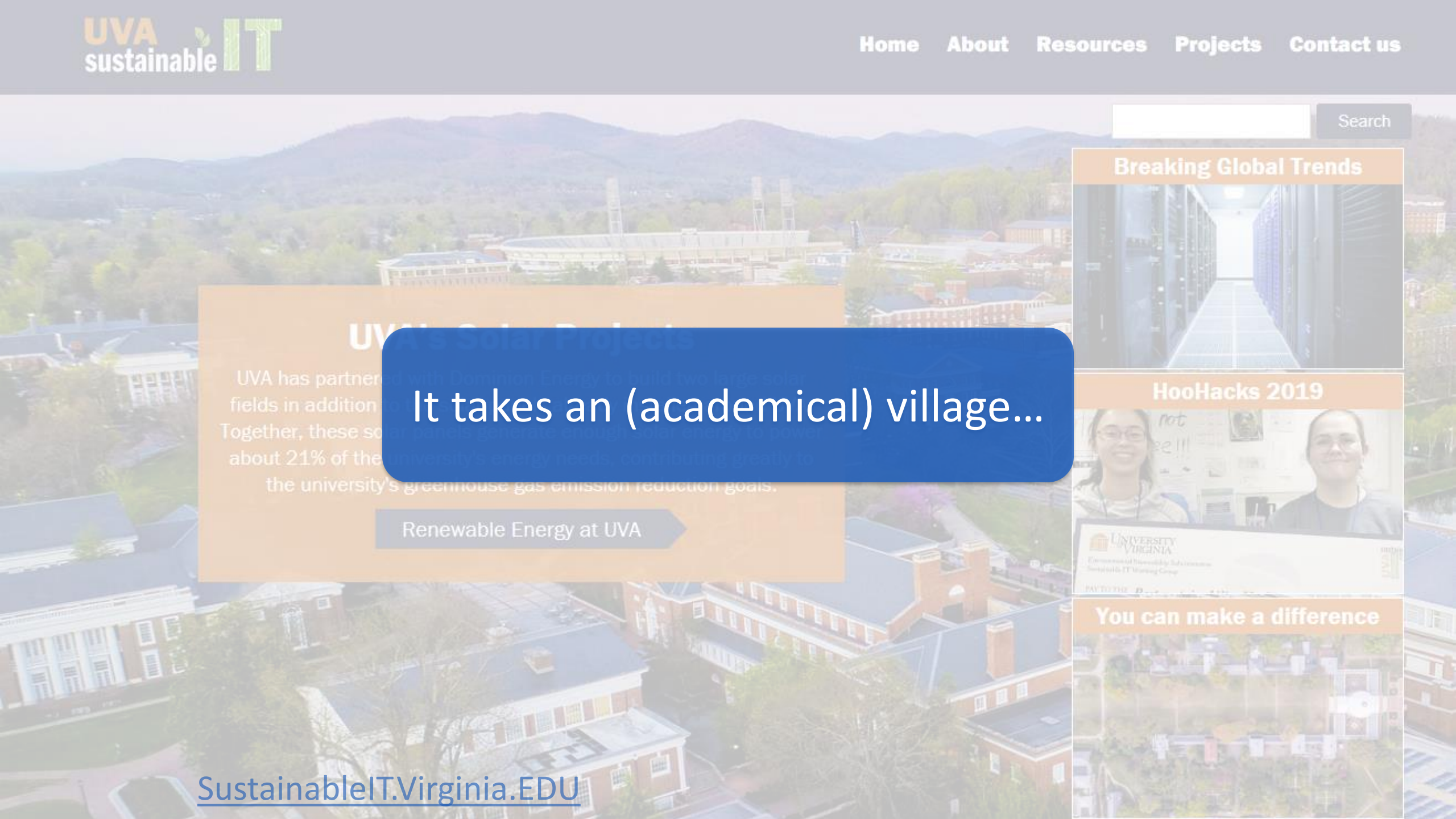
It takes an (academical) village…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Home
About
Resources
Projects
Contact us
Search
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Sustainable IT:
Maximizing the value we achieve through IT
while
minimizing the negative impacts of IT

Breaking Global Trends

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(some) Sustainable IT Practices

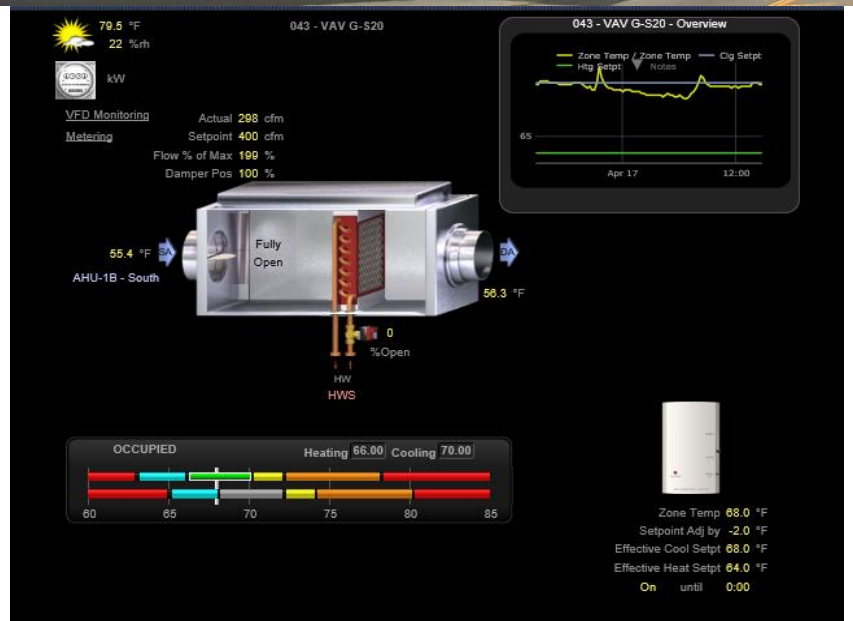
Workstation Power Management

E-Waste Reduction

Servers & Data Center Efficiency

Operational Efficiencies

Project Example



- Building was built with two large HVAC units which condition the entire building
- Post-occupancy, a server was installed in a ground-floor storage closet which stores audio/visual from 42 cameras
- To keep the room from overheating, one of the large HVAC units must run 24/7
- Its estimated this additional energy consumption cost $20,000 - $25,000 a year
- Two options are being explored to be able to set this unit on an office schedule (7am – 7pm)
  - Migrate this serve to the UDC
  - Install a cooling-only unit to decouple this space from the main system
    - First cost: ~$25,000
    - Ongoing: ~1,800/year

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ROANOKE

E-911

SAFETY COMMUNICATIONS CENTER

LIONBERGER CONSTRUCTION

BALZER & ASSOCIATES

GENERAL CONTRACTOS | ESTIMATORS | PLANNERS | ARCHITECTS | ENGINEERS | SURVEYORS

Questions?

- **Nell Boyle**, City of Roanoke
- **Bill Eger**, City of Alexandria
- **John Morrill**, Arlington County
- **Chris Smeds**, University of Virginia

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