Working Together to Increase Efficiency

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It takes an (academical) village...
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Sustainable IT: Maximizing the value we achieve through IT while minimizing the negative impacts of IT
(some) Sustainable IT Practices

- Workstation Power Management
- Servers & Data Center Efficiency
- E-Waste Reduction
- Operational Efficiencies
• 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
Questions?

• **Nell Boyle**, City of Roanoke

• **Bill Eger**, City of Alexandria

• **John Morrill**, Arlington County

• **Chris Smeds**, University of Virginia

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