Report to Faculty Senate
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RU sustainABILITY
sustainABILITY

• “meeting the needs of the present without compromising the ability of future generations to meet their own needs”

• Long range view, environmentally friendly, or being “greener”

• Equity, Environment, & Economy

• We all have the ABILITY to make a difference
RU Administration

• Board of Visitors- Sustainability Resolution 11/2009

• Presidents’ Climate Commitment Signatory
  – Commit to being carbon neutral
  – GHG Inventory, Climate Action Plan
  – Almost 700 universities & colleges

• SustainABILITY Steering Committee
  – Working Groups (Operations, Purchasing, etc.)
  – Ideas for Policies, Procedures, & Actions
Curriculum

• Working Group
  – University 100, Related Course Listing
  – Certificate- Sustainability & Environmental Studies

• Research
  – Transportation, Green Space, Carbon Sequestration, etc.
  – Geography, Sociology (Ctr Social & Cultural Res), Biology, Academic Engagement & Comm. Part.
Energy & Water

• Conservation-
  – Occ./CO2 Sensors, retrofits-T8s & LED exit signs, Shower Head/Aerators, Vending Misers
  – YHTA!- simple, practical tips to make better decisions

• Management-
  – Energy Star, BAS setbacks, cycling, ice storage, load shedding
Energy & Water

• Campus Conservation Nationals 2010-
  – Energy & Water Reduction, over 40 campuses
  – November 1st – 19th
  – Commitment Pledges/ Prizes
  – Electricity- Trinkle 32% reduction
  – Water- Pocahontas 8% reduction
  – Saved over 50,000 kWh & over 60,000 lbs of CO2
Buildings

• LEED-Silver minimum for new & remodeled

• Energy Star-
  – Product purchases (computers, vending, etc.)
  – Buildings- 30% more efficient & 30% less GHGs
  – Floyd & Norwood certified & 4 more submitted

• Paper Purchases- 30% recycled content

• Green Seal-Certified Cleaning Products-
  – All Res. Halls & Academic Bldgs
Dining Services

• Dining-
  – Trayless Dining
  – Composting- Fall ‘09- over 700 lbs /day
  – MSC-certified seafood
  – Cage-free eggs
  – Growth hormone-free milk
  – 20% local purchases
  – Discount on reusable mugs
Recycling

- Where? Every bldg on campus
- Common- Mixed Paper, Cardboard, Containers
- Includes- Electronic Wastes, Batteries, Toner, Tires, Oil, & more
- Programs- RecycleMania Competition, Y-Toss?, Move-in, Composting
Recycling Rate %

Greenhouse Gas Inventory

• Baseline- FY 2010
  – GHG Inventory submitted 1/15/2011
  – Foundation for the CAP
  – CAP due 1/15/2012

• Net Emissions- 37,749 metrics tons CO2e
  – What’s involved?
  – What can we do to reduce our footprint?
Greenhouse Gas Inventory

Percentage GHG Emissions by Source

- **Scope 1**: 21.9%
  - Natural Gas: 20.0%
  - Fleet Fuel: 1.1%
  - Refrigerant & Chemicals: 0.7%
  - Agriculture: 0.1%

- **Scope 2**: 55.3%
  - Purchased Electricity: 55.3%

- **Scope 3**: 22.8%
  - Faculty/Staff Commuting: 6.7%
  - Student Commuting: 7.0%
  - Air Travel: 2.5%
  - Solid Waste: 0.9%
  - Wastewater: 0.1%
  - General Purpose/Copier Paper: 0.2%
  - Transmission & Distribution Losses: 5.5%

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Climate Action Plan

• Major Components
  – Climate Neutrality Target Date
    • Interim Dates
  – Mitigation - identification & feasibility
  – Education - classroom & campus
  – Research - projects & collaboration
  – Outreach - community awareness efforts
Student Involvement

- Quest
- Residential Life
- Earth Day
- Work Study & Interns
- Clubs, Volunteer, & Competitions
- “Light bulbs to leaders”
Campus Involvement

– Campus SustainABILITY Day & Earth Day
– Climate Action Plan
  – Suggestions, Input, Ideas
  – Education- incentives, partnerships, & resources
  – Research- communication, projects, & collaboration