Centennial Campus-Wide Outage: Saturday, March 31, 2018
(Backup date: Sunday, April 15, 2018)

POWER OUTAGE
Approximately
7:30 am - 5 pm

STEAM AND CHILLED WATER OUTAGE
Approximately
5:30 am - 9:30 pm

Additional localized outages are anticipated over the next year.
Centennial Campus
Energy Grid Enhancement Projects
In the 1990s

Today

WHY?

The energy projects will boost **reliability**, improve **efficiency** and prepare for **future energy demand**.
**ADD: Electrical Circuit and Transformer**
This improves reliability by distributing energy on multiple circuits, providing backup power and creating capacity for campus growth.

**ADD: Cogeneration at Central Utility Plant**
This enables energy generation on campus. By recovering waste heat and converting it to steam, efficiency increases by 40%.

**ADD: Thermal Energy Storage Tank**
This allows chilled water to be created when electricity is cheapest and stored for use when electricity is most expensive.

**ADD: Thermal Distribution Upgrades**
This connects additional campus buildings to steam and chilled water supplied by the Central Utility Plant. This creates long-term savings and efficiency.

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**Centennial Campus energy grid delivers quality, dependable power to a complex research campus. Here’s how:**

1. **Duke Energy Progress** provides electricity to a campus-owned substation that distributes energy to buildings.

2. **Central Utility Plant** produces chilled water and steam as an additional and more efficient power source.

3. **Chilled water and steam** are piped underground to buildings as part of a looped system.
These Buildings Are Not Impacted

Centennial Campus Middle School
Friday Institute
1801 Varsity Drive Building
1801 Varsity Drive Parking Deck
The Greens Apartments
The North Shore Condominiums
Venture 1
Venture 2
Venture 3
Venture 4
Venture Place
Venture Deck
Wildlife Resources Center
WRC Parking Deck
These buildings are impacted by the electricity outage (Impacts power, HVAC, phone, lights, internet)

APPROXIMATELY 7:30 AM - 5 PM

- Alliance 1 and Alliance Deck
- BTEC - Golden Leaf Building
- Centennial Campus Utility Plant
- Centennial Campus West Deck
- Center of Technology & Innovation and CTI Deck
- Conference and Convention Center Parking Deck
- Constructed Facilities Lab
- Engineering Building 1, 2 and 3
- Hunt Library and Parking Deck
- Keystone Building
- Landscape Construction Services Bldg
- Lonnie Poole Clubhouse and Course
- Monteith Research Center and Monteith Deck
- Oval West Parking Deck
- Park Alumni Center
- Partners 1, 2 and 3
- Partners Way Parking Deck
- Poulton Building and Poulton Deck
- Research 1, 2, 3 and 4
- Re-use Water Pumphouse
- State View Hotel
- Streetlights (All)
- Textiles
- The Point - Chancellor's Residence
- Toxicology Building and Parking Deck
- Wolf Ridge Apartments
Additionally, these buildings are impacted by the chilled water and steam outage

APPROXIMATELY 5:30 AM - 9:30 PM

- BTEC - Golden Leaf Building
- Centennial Campus Utility Plant
- Center of Technology & Innovation
- Engineering Building 1, 2 and 3
- Hunt Library
- Partners 1 and 3
- Poulton Innovation Building
- Textiles
- Wolf Ridge Apartments
Assessing Critical Impacts

Find your facilities coordinator at https://facilities.ofa.ncsu.edu/facilities-coordinators/
Next Steps
Coordinate with your Facilities Coordinator to complete Impact Assessment by 1/19/18 at go.ncsu.edu/CentennialEnergy

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Questions?