

The Daily Tar Heel

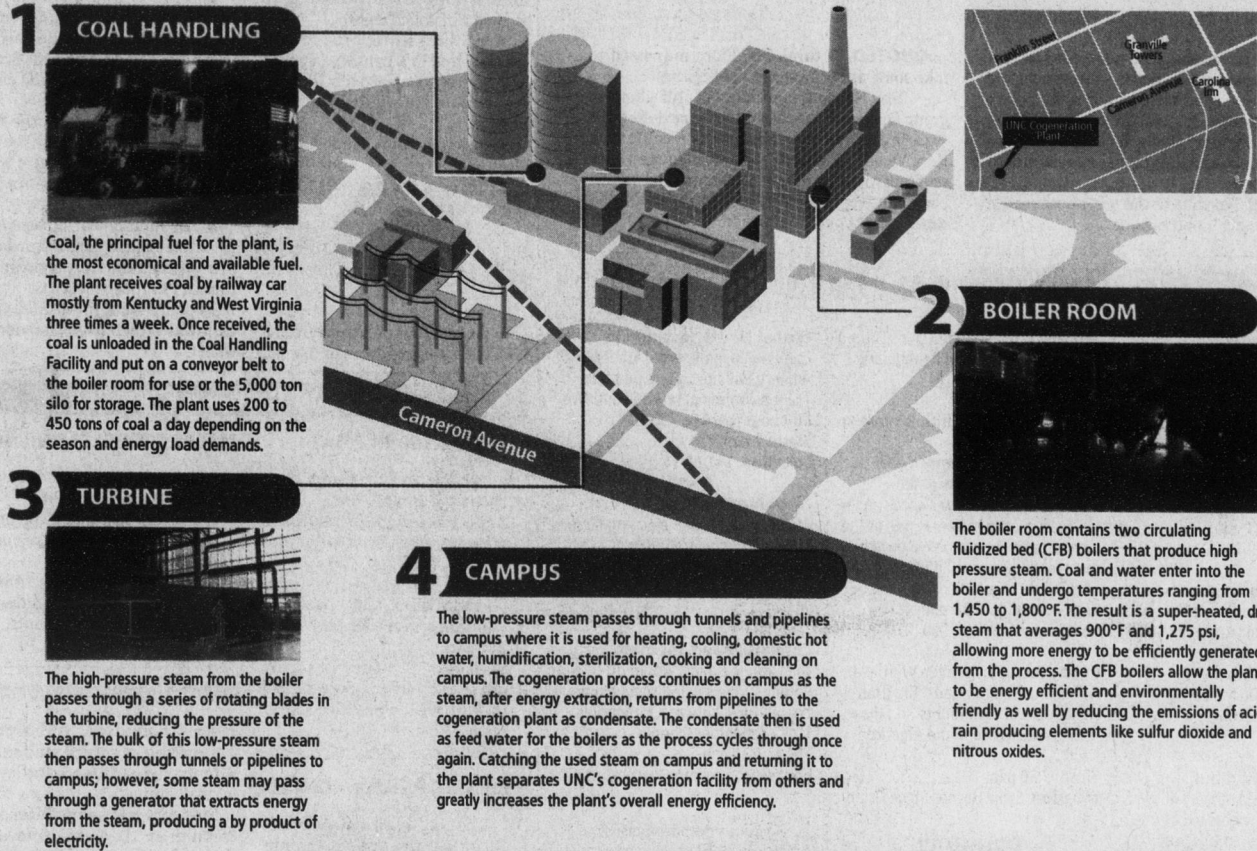
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UNC's cogeneration plant

The cogeneration plant, which opened in 1940, is responsible for providing energy to campus. The plant distributes electricity using coal and progressive techniques and is the keystone of a network of campus energy facilities that keep UNC running. Leaders constantly are evaluating ways to reduce cost and improve efficiency.



Board cements cap on tuition

Student leaders lament lack of input in process

BY ERIC JOHNSON
SENIOR WRITER

The UNC-system adopted Friday a detailed set of tuition guidelines likely to have a far-reaching impact on students and their parents during the next four years.

The plan, approved unanimously by the system Board of Governors, puts a 6.5 percent per year cap on in-state undergraduate tuition hikes.

INSIDE Student leaders and officials have unique relationship
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Yet many student leaders, to say nothing of average students, learned of the tuition policy overhaul just days before it was approved.

That left some wondering about the health of a process meant to incorporate student opinion in university decisions.

Derek Pantiel, president of the system Association of Student Governments, summed up his frustration before last week's vote.

"This is my first tuition policy task force meeting and my last," he told a gathering of student leaders. "I wish I had been in on these meetings last year."

Representing students in system-level policy discussions is a core responsibility of the ASG, and former President Zack Wynne was involved in the earliest stages of the new tuition process.

"We rely on the student representative to the Board of Governors," said Rob Nelson, the system's vice president for finance. "They were given a place on the tuition task force."

But a combination of leadership transitions and bad timing caused the student voice in that critical debate to taper off.

System President Erskine Bowles put the tuition task force on hold shortly after taking office in January, saying he wanted time to study the issue and weigh in. In April, while the task force remained dormant, Pantiel was elected president of the ASG.

"The (tuition) discussion had dropped off long before Derek came along," Wynne said. "It just kind of stopped, and they never put any sort of timeline on it."

Pantiel and other ASG officials complained that they were given little information about the task force, which left them scrambling for a response when Bowles brought forward his plan two weeks ago. But Wynne said there simply wasn't much information to share.

"We didn't sit there and go over it because there was nothing to go over," he said, noting that Bowles essentially took control of the process when he took office.

Still, some information about the proposal was available long before Bowles officially unveiled his plan, and student leaders were told about it.

Forrest Gilliam, student body president at Appalachian State University, e-mailed the ASG's council of student body presidents in

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INSIDE THE BOILER ROOM

The boiler room is six stories tall and contains two circulating fluidized bed (CFB) boilers. These boilers typically operate between 1,450 to 1,800°F to produce high pressure, dry steam that is environmentally friendly, economically friendly and energy efficient.

Coal bunker

Two coal bunkers hold the coal to be burned in the boiler. Coal is the plant's primary fuel source for producing steam.

Limestone bunker

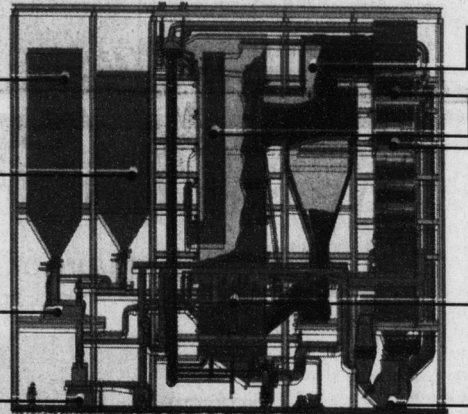
Two limestone bunkers hold limestone which is often added into the boiler. The addition of limestone reduces the amount of sulfur dioxide emissions, a main component of acid rain.

Feeder

Coal and limestone are fed into the crusher by the feeder.

Mill

This device crushes the coal and limestone into small particles and ultimately a powder. This allows the boiler to operate at lower temperatures which increases efficiency and reduces the amount of another acid rain component, nitrous oxides.



SIDE VIEW OF ROOM

Cyclone separator

The cyclone separates larger coal particles from smaller particles and ash. Larger particles fall to the bottom while the smaller particles or flue gas goes on to the heat exchangers.

Superheater 1, 2 and 3

This series of heaters extracts more heat from flue gas, combustion exhaust gas containing ash. This improves efficiency by capturing almost all energy before it is released into the atmosphere.

Combustion chamber

Coal, oxygen, limestone and fire produce flue gas and other exhaust gases from which heat is extracted.

PA and SA fans

These fans continuously push air through the boiler to assist in the movement of particles and materials from one phase to the next. This air is heated air, which also increases the efficiency of the process.

SOURCE: UNC ENERGY SERVICES

PHOTOS COURTESY OF SAMANTHA LEVY AND UNC ENERGY SERVICES. GRAPHIC BY KURT GENTRY

AN ENERGIZED SYSTEM

BY COLIN CAMPBELL
STAFF WRITER

Most students have no idea how it's made. Few people on campus think about how much they use. But it cost the University \$56 million last year.

It's energy, and it keeps UNC running in several different forms — steam, electricity, chilled water and natural gas.

Officials say they are making a con-

scious effort to improve the efficiency of campus energy and implement conservation efforts.

By using new technology to produce and distribute energy from the cogeneration plant and chilled water plants, the University is cutting costs and reducing its impact on the environment.

And the improvements aren't limited to the plants — new buildings on cam-

pus are being designed for efficiency, and older buildings are getting upgrades.

Generating power

The cogeneration plant, located on Cameron Avenue, produces steam and a sizable percentage of UNC's electricity and has received accolades from the Environmental Protection Agency for

superior environmental performance.

"This is one of the cleanest coal facilities you'll come across," said Allen Johnson, plant manager. "We do a hell of a lot to minimize our environmental impact."

The plant maintains a close relationship with Duke Energy, which supplies

SEE ENERGY, PAGE 5

Families make home at fair

BY MONIQUE NEWTON
AND NICOLE NORFLEET
STAFF WRITERS

In its opening Friday and Saturday, the N.C. State Fair drew almost 150,000 people looking to enjoy festival staples such as oversized turkey legs and spins on the Ferris wheel.

OUT AT THE fair

But behind the fair's festivities are a handful of families who have made feeding and entertaining the N.C. masses their family traditions.

Mills on Wheels

Wearing a patterned vest and matching pants, Steve Mills of Marion, Ohio, grinned at the crowd Saturday and knelt while his 19-year-old daughter, Michelle, climbed on his shoulders.

His 15-year-old son, Tony, who was holding the family's poodle, climbed on top of Michelle's shoulders and more than 100 onlookers watched the Mills family tower step onto a unicycle.

"I dedicate this to my mother — who said I could never support my children," Steve Mills said just before he began traveling toward

SEE FAIR FAMILIES, PAGE 5



Doug Trantham plays a banjo at the N.C. State Fair. Trantham's family makes these traditional instruments.

A hoops dream

Editor's note: The Daily Tar Heel asked senior writer Gregg Found to attempt to earn a spot on the UNC men's junior varsity basketball team to offer insight to a process that most don't get to see. Found will write a daily diary of his experiences until the roster is announced on Wednesday.

BY GREGG FOUND
SENIOR WRITER

It's hard to tell from the upper deck, but walk out onto the Smith Center floor and you feel like you're in a blue Roman Coliseum.

You're surrounded. There's nowhere to escape once you're on the main floor. Everybody is watching.

Then again, maybe you're just feeling the pressure of JV

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BODY BELIEFS Groups to promote healthy body image today in the Pit

HEALTHY OUTLOOK UNC to use grant to study Latino health

A LITTLE TASTE A Southern Season celebrates N.C. food, culture

city | page 4

NATURALLY FUN

Friends of Bolin Creek hold a festival Saturday to raise money and awareness of the need to preserve the Bolin Creek corridor.

campus | page 7

CUTTING THE FAT

The Faculty Council hears about the University's involvement in a UNC-systemwide effort to increase operational efficiency and cut costs.

this day in history

OCT. 16, 1999 ...

A female housekeeper is attacked in an attempted sexual assault in the Student Union, marking the third campus attack on a woman since the beginning of the semester.

weather

Partly cloudy
H 69, L 51

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