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TOWN OF CHAPEL HILL

ATTACHMENT 4

[redacted]

Applicant Information

Name: University of North Carolina at Chapel Hill

Address: 103 Airport Drive - Giles F. Horney Building - CB# 1090

City: Chapel Hill State: NC Zip: 27599

Phone (Work): 919-843-2085 FAX: 919-962-9103 E-Mail:

Property Owner Information (included as attachment if more than one owner)

Name: University of North Carolina at Chapel Hill Phone 919-843-2085

Address: 103 Airport Drive – Giles F. Horney Building – CB# 1090

City: Chapel Hill State: NC Zip: 27599

Development Information

Name of Development: Cogeneration Facility Turbine Generator Upgrades

Tax Map: 7 Block: 92 Lot(s): H.2 Parcel ID #: 9788-14-5406

Address/Location: South West Cameron Ave. / UNC Central Campus

Existing Zoning: Ind New Zoning District if Rezoning Proposed n/a

Proposed Size of Development (Acres / Square Feet): .37 acres 16,272 SF

Permitted / Proposed Floor Area (Square Feet): 41, 028 / 16,272

Minimum # Parking Spaces Required: 0 #Proposed 0

Proposed Number of Dwelling Units: 0 # Units per Acre 0

Existing / Proposed Impervious Surface Area (Square Feet): 223,000 / 239,272

Is this Concept Plan subject to additional review by Town Council? Yes

The undersigned applicant hereby certifies that: a) the property owner authorizes the filing of this proposal b) authorizes on-site review by authorized staff; and c) to the best of his/her knowledge and belief, all information supplied with this proposal is true and accurate.

Signature: Anna A. Wu Date: 4/30/04

Please submit **20 sets** of all materials, or **30 sets of all materials including reduced (8 ½" by 11") copies of all plans if the Concept Plan is subject to additional review by the Town Council**, no later than the first day of the month. Materials must be collated and folded to fit into a 12" x 15" envelope.

The Community Design Commission meets regularly on the third Wednesday of each month. Meetings with the Town Council will be scheduled after the Community Design Commission meeting. For confirmation of a meeting dates and the placement of your request on the agenda, please call the Planning Department at (919) 968-2728.

Cameron Avenue Cogeneration Cogeneration Facility - Developer's Program

There are multiple projects proposed for the Cameron Avenue Cogeneration Facility to support the University's growth and need for reliable power. These projects include, the addition of a 20 MW steam powered turbine generator, replacement of the existing cooling tower with a larger, quieter unit, and the addition of a small building adjacent to the Duke Power substation to house electrical equipment necessary to support the turbine.

The addition of these projects will allow the University to more efficiently utilize the existing steam produced at the Cameron facility to produce electrical power which can be used to serve essential needs on campus in the event of a power failure or reduce the amount of power purchased from Duke Power during high demand periods.

The new building adjacent to the Cameron Avenue substation will be constructed to cover two existing modular buildings which house existing switchgear. The new building will consolidate the switchgear in a single building and result in a more aesthetically pleasing site.

The new cooling tower and enclose will also enhance the aesthetics of the site by necessitating the removal several small sheds. The new cooling tower will also reduce the amount of noise generated by the existing cooling towers.

Carter:Burgess

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Cogeneration Facility Turbine Generator Upgrades – Statement of Compliance

In our Professional opinion, we have met the required submittal requirements for the Cogeneration Facility Turbine Generator Upgrades and that the project will meet the requirements of the Town of Chapel Hill Design Guidelines.