

Minutes
Council on the Built Environment
Texas A&M University
June 28, 2006

Voting Members Attending: Sean Eubanks for Kem Bennett, Dick Chilcoat, Ralph Davila for Russell Cross, Clint Magill, David Parrott, Bill Perry, Chuck Sippial, and Max Summers.

Non-Voting Members attending: Fuller Bazer for Jim Calvin, Shelly Janac, James Massey, James Rainer for Chris Meyer, Raye Milburn, Mary Miller and Dick Williams.

Guests: Jim Riley, Kathy Hubbard and Scott Clark and Jay Martin from Carter Burgess.

Utility Master Plan

Representatives from Carter Burgess gave an update on the results of Utility Master Plan. The goals of the study were to develop projected system loads for the campus, analyze and recommend options to meet current and future loads, and develop cost estimates. The plan was separated in two phases—the next five years and the next 30 years, with the first five year's growth based on 3% campus growth increase per year. Years six through 30 are based on 1% growth per year, as estimated by the architectural master plan.

Over the next 30 years, growth is anticipated in all areas of utility infrastructure except steam production capacity (a 38% decrease) with the biggest growth anticipated in cooling capacity (63% increase). TAMU's present value of existing utility infrastructure is \$910 million. Carter Burgess recommends investing \$277,500,000 for future growth and renewal over the next 30 years, with the majority of the expense being system replacement during years six through 30.

Proposed utility projects include 14 items, the first six being: Central Utility Plant room fire rating and renovation, Central Utility Plant flammable materials storage building, Satellite Utility Plant 1 chiller upgrade, electrical system capacity and reliability upgrade, replace chiller 32 in Satellite Utility Plant 2, and steam turbine generator replacement. These six items total \$19 million and are determined to be the most critical. These six items will be submitted to the Board of Regents at its July meeting for approval. The seventh item on the list has the largest individual cost, \$42 million, for combined heat and power generation upgrade.

Perry noted it will be important for the university to work with the System and other entities to consider utilities infrastructure when new buildings are being considered.

Summers noted there are several master plans approved or being considered, but an academic master plan, a long term strategy for planning our academic departments over the next five to 20 years, has not been established, and could help set priorities for the other plans. Perry will prepare a draft for CBE to review in relation to an academic master plan, which can be considered by the Council of Deans, Educational Environment Council, Research Council and Provost and President.

Construction in Support of a DARPA Grant

Theresa Fossum from Veterinary Medicine is a Principal Investigator on a grant to be submitted to the Defense Advanced Research Projects Agency (DARPA). The two-year study would examine the effects on animals of traumatic brain injuries resulting from explosive blasts, and in turn, help medical researchers provide treatment strategies and techniques for identifying and reducing brain trauma in soldiers. If the grant is funded, a temporary MRI building located at the ASTREC site would need to be constructed, as would a concrete pad for a trailer housing a PET scan machine.

Davila stated that the facilities coordinator at ASTREC supports the project and a site has been identified. Formal approval from Dean Murano is forthcoming.

The Council approved the project in concept and asked that the CFPC review for technical issues.

Other Business

- Sippial and Perry will visit separately about utilities for TIGM.
- To help reduce move-in costs for Phase 2 of GSC, departments which already have landscape furniture will be allowed to bring it with them.