November 13, 2014

MEMORANDUM

TO: Dr. Mark A. Hussey
Interim President, Texas A&M University

SUBJECT: CBE Recommendation: Agronomy Road Data Center Utility Infrastructure

The Council for the Built Environment (CBE) received a request from Utilities and Energy Services to use part of PA71 to construct an electrical substation expansion on the north side of the existing TAMU electrical substation. This substation expansion is needed to install a large transformer and associated gear to increase electrical capacity to serve a proposed new data center on Agronomy Road and also serve other facilities on the growing campus.

Recommendations

Technical Review Sub-Council (TRsc) The TRsc supports the proposed Land Use for Agronomy Road Data Center Utility Infrastructure Project and recommends approval, provided the following issues/concerns are addressed and funded:

- Facilities Services:
  The project team should coordinate with Grounds Management for landscaping and irrigation concerns.

- Transportation Services:
  It is desired to have the Transportation Services laydown yard, current located behind the substation, moved to a new location before construction of the new transformer site begins.

- EHS and SASE:
  UES must develop a SWPP Plan for the project.

UES must determine the total acreage that will be disturbed by the entire construction project. If greater than 1 acre total, UES must contact EHS to ensure appropriate construction permitting through TCEQ. If greater than 5 acres, a TCEQ permit must be received before this project is allowed to break ground.

Site fencing is required for any portion of the construction/excavation area that presents hazards for pedestrians, vehicles or animals.
Ensure that emergency vehicle access is maintained through Lot 71 throughout the construction for the new TAMU electrical substation.

Facilities Utilization Sub-Council (FURsc) The FURsc recommends the request by Utilities and Energy Services to proceed with the proposed land use of PA 71 for the Agronomy Road Data Center Utility Infrastructure project.

The CBE voted unanimously to recommend the President’s approval, with noted caveats, the request from Utilities and Energy Services to use part of PA71 to construct an electrical substation expansion on the north side of the existing TAMU electrical substation.

Karan L. Watson 11-17-14
Provost and Executive Vice President
Co-Chair, Council for the Built Environment

Jerry Strawser 11-17-14
Vice President for Finance and Administration
Co-Chair, Council for the Built Environment

Concur or not concur with CBE’s recommendation:

Mark A. Hussey 11-19-2014
Interim President

cc: Sub-Council Chairs, Council for the Built Environment
DATE: September 9, 2014
TO: Dr. Karan L. Watson  
   Chair  
   Council for the Built Environment
THROUGH: Dr. Jerry Strawser  
          Vice President for Finance & Administration  
          and Chief Financial Officer
THROUGH: Mr. James L. Massey  
          Interim Senior Associate Vice President  
          for Facilities
FROM: Mr. James G. Riley  
      Executive Director, Utilities & Energy Services
SUBJECT: Land Use for Agronomy Road Data Center Utility Infrastructure Project

Utilities & Energy Services (UES) requests approval to use part of PA71 to construct an electrical substation expansion on the north side of the existing TAMU electrical substation. This substation expansion is needed to install a large transformer and associated gear to increase electrical capacity to serve a proposed new data center on Agronomy Road and also serve other facilities on the growing campus.

This land use will result in the loss of approximately 34 parking spaces, which has been discussed and coordinated with Transportation Services. Two storage containers on the west side of the site will also likely have to be relocated. UES has contacted Texas Forest Service, which owns the storage containers, and will coordinate with them to relocate the containers. The substation addition will be surrounded with a concrete safety wall that matches the existing substation wall.

A UES-managed project is proposed for addition to the TAMU Capital Plan to complete the electrical substation capacity upgrade and install electrical and thermal distribution lines necessary to convert the Dollar Commissary Building to a data center. The proposed substation expansion location and utility line routing are shown on the attached drawing.

Your favorable consideration is appreciated so university approval can be obtained prior to the November 6, 2014 Board of Regents meeting.

James G. Riley  Executive Director  
UES Central Office  
165 Asbury Street  
1584 TAMU  
College Station, TX 77843-1584  
Tel 979.845.1210  Fax 979.845-5036  
http://utilities.tamu.edu
MEMORANDUM

TO: Dr. Karan Watson
Co-chair, Council on the Built Environment

Dr. Jerry Strawser
Co-chair, Council on the Built Environment

FROM: Tom Reber
Chair, CBE Technical Review Sub-council

DATE: November 3, 2014

SUBJECT: CBE TRsc Recommendation: Land Use for Agronomy Road Data Center Utility Infrastructure Project

On October 20, 2014, Mr. James Riley, Executive Director, Utilities & Energy Services, presented to the CBE’s Technical Review Sub-council on the proposed Land Use for Agronomy Road Data Center Utility Infrastructure Project. This request is for approval to use part of PA71 to construct an electrical substation expansion on the north side of the existing TAMU electrical substation. This substation expansion is needed to install a large transformer and associated gear to increase electrical capacity to serve a proposed new data center on Agronomy Road and also serve other facilities on the growing campus.

A UES-managed project is proposed for addition to the TAMU Capital Plan to complete the electrical substation capacity upgrade and install electrical and thermal distribution lines necessary to convert the Dollar Commissary Building to a data center.

Recommendation
The Technical Review Sub-council supports the proposed: Land Use for Agronomy Road Data Center Utility Infrastructure Project and recommends approval, provided the following issues/concerns are addressed and funded.

Facilities Services:
The project team should coordinate with Grounds Management for landscaping and irrigation concerns.

Transportation Services:
It is desired to have the Transportation Services laydown yard, current located behind the sub-station, moved to a new location before construction of the new transformer site begins.
EHS and SASE:
UES must develop a SWPP Plan for the project.

UES must determine the total acreage that will be disturbed by the entire construction project. If greater than 1 acre total, UES must contact EHS to ensure appropriate construction permitting through TCEQ. If greater than 5 acres, a TCEQ permit must be received before this project is allowed to break ground.

Site fencing is required for any portion of the construction/excavation area that presents hazards for pedestrians, vehicles or animals.

Ensure that emergency vehicle access is maintained through Lot 71 throughout the construction for the new TAMU electrical substation.

Telecommunications, FCOR/GIS, Utility & Energy Services, Capital Financial Planning, CIS, Procurement, University Police, Student Affairs:
No concerns expressed.

Xc: CBE Technical Review Sub-council
    CBE Support Staff
MEMORANDUM

To:       Dr. Karan Watson
          Chair, Council for the Built Environment

          Dr. Jerry Strawser
          Chair, Council for the Built Environment

Subject:  Land Use for Agronomy Road Data Center Utility Infrastructure Project

RECOMMENDATION
The Council for the Built Environment's (CBE) Facilities Utilization Review sub-committee (FURsc)
recommends that the CBE support the request by Utilities and Energy Services to proceed with the
proposed land use of PA71 for the Agronomy Road Data Center Utility Infrastructure project.

SCOPE
A quorum being present, the FURsc met this morning to consider the request by Utilities and Energy
Services to receive utilize part of PA71 to construct an electrical substation expansion on the north side
of the existing TAMU electrical substation. This substation expansion is needed to install a large
transformer and associated gear to increase electrical capacity to serve a proposed new data center on
Agronomy Road and also serve other facilities on the growing campus.

We are pleased to offer this recommendation and welcome further inquiries related to this analysis.

Sincerely,

James Massey
Chairman, CBE-Facilities Utilization Review sub-council
Interim Associate Vice President for Facilities

Attachments
CC:       CBE-FURsc members