CERTIFICATE

Agency Name Texas Engineering Experiment Station

This is to certify that the information contained in the agency Legislative Appropriations Request filed with the Legislative Budget Board (LBB) and the Governor's Office of Budget, Planning and Policy (GOBPP) is accurate to the best of my knowledge and that the electronic submission to the LBB via the Automated Budget and Evaluation System of Texas (ABEST) and the bound paper copies are identical.

Additionally, should it become likely at any time that unexpended balances will accrue for any account, the LBB and the GOBPP will be notified in writing in accordance with Article IX, Section 7.01 (2010–11 GAA).

Chief Executive Office or Presiding Judge

Signature

Dr. G. Kemble Bennett, Ph.D., P.E.
Printed Name

Director , TEES
Title

August 16, 2010
Date

Board or Commission Chair

Signature

Mr. Morris E. Foster
Printed Name

Chairman
Title

August 16, 2010
Date

Chief Financial Officer

Signature

Mr. Mark S. Smock
Printed Name

Associate Director, TEES
Title

August 16, 2010
Date

Agency code: **712** Agency name: **Texas Engineering Experiment Station**

The Texas Engineering Experiment Station (TEES) is the state institution of higher education focused on engineering and technology research and development. TEES was established in 1914 and incorporated within the Texas A&M University System in 1948. Under state statute (Section 88, Subchapter E, Texas Education Code), TEES develops innovations in research, education and technology and offers solutions that help improve quality of life, foster economic development and enhance education.

As a statewide research institution, TEES plays an important role in Texas' higher education system. The agency's organizational structure and operational flexibility enable TEES to respond quickly to the technology research needs of industry and state, federal and local governments. TEES is known for its ability to form strong research and educational partnerships – with universities and community colleges across the state, with the private sector, and with K-12 school districts. The institution is also known for its entrepreneurial culture, the relevance of its research activities, and its high leverage of state dollars.

Headquartered in College Station, TEES has a close relationship with Texas A&M University as well as regional divisions at 14 other institutions of higher education in Texas and affiliations with community colleges. These regional divisions include all the universities within the Texas A&M University System, as well as Angelo State University, Lamar University, Texas State University, Texas Woman's University, the University of North Texas and Del Mar College. Through these regional partnerships, TEES serves as a catalyst for collaborations that position the state to be especially competitive for federal dollars. TEES also plays a major role in strengthening research capabilities and leadership across the state. Working with the other institutions, TEES has formed a centralized structure for many fiscal, compliance and audit functions involved with federal contracts.

TEES successfully leverages the general revenue appropriations it receives, attracting $17 for every $1 appropriated.

TEES general revenue appropriations are critical to the institution's ability to compete for external research awards and thus achieve its mission. By allocating this critical base funding for research program support and new initiatives based on performance in terms of demonstrated success, potential for success, or as an investment in the research future of the regional divisions across the state, the Texas Engineering Experiment Station has continued to be successful in recent years and is currently involved in more than 4,000 research projects. The majority of the external research dollars generated by TEES continues to be from federal sponsors, including major initiatives with the National Science Foundation, the Department of Energy, the Department of Defense and NASA. Research funding from the private sector has also remained strong through research contracts and through established research centers which serve a broad range of industries in Texas such as commercial aerospace, nuclear energy, wind energy, national security, offshore petroleum, manufacturing, and chemical processing, among others. TEES research is impacting the economic health of Texas.

Numerous studies, both at the state and national level, report the need for more technology workers to keep Texas and the nation economically competitive. TEES has developed a comprehensive partnership with K-12 schools, community colleges, universities and industry to address this issue. Over recent years, TEES has brought more than $80 million in federal funding for math and science education to Texas to help produce more engineers and scientists. Among the institution's current initiatives in science, technology, engineering and math (STEM) education, TEES has been awarded a federal grant to conduct a series of statewide workshops for 14 Texas STEM projects funded by the National Science Foundation, including institutions from The Texas A&M University System, The University of Texas System, the Texas State System and the University of Houston System. NSF will utilize the results of these workshops to gather promising practices for increasing STEM degrees and as input for their annual national STEM meeting. In addition, TEES is working with five South Texas engineering programs (TAMU-Kingsville, TAMU-Corpus Christi, TAMIU, UT-Brownsville, and UT-Pan American) to form the South Texas Engineering Alliance. This group is focusing on student recruitment and working with teachers in STEM.

Under statutory provisions passed during past legislative sessions pertaining to the Texas Emissions Reduction Plan, TEES's Energy Systems Laboratory is responsible for providing technical expertise in the area of calculating and verifying energy savings and air emissions reductions from energy efficiency programs as well as providing technical assistance on the statewide building energy code. Funding for these responsibilities comes from the Texas Emissions Reduction Plan Fund. Texas Health and