



2022 TSUS Annual Research Report



About TSUS

Research operations at Texas State University System's four-year universities are catalysts for discovery and innovation. As part of a fast-growing system, Lamar University, Sam Houston State University, Sul Ross State University and Texas State University are at the forefront of new ideas and discoveries that respond to today's scientific, environmental and societal challenges.

These institutions are building upon existing frameworks of academic excellence in learning, teaching and research. They are focused on fostering an environment of creativity and collaboration where student scholars, faculty researchers and industry partners generate solutions-based research relevant to a 21st century economy.



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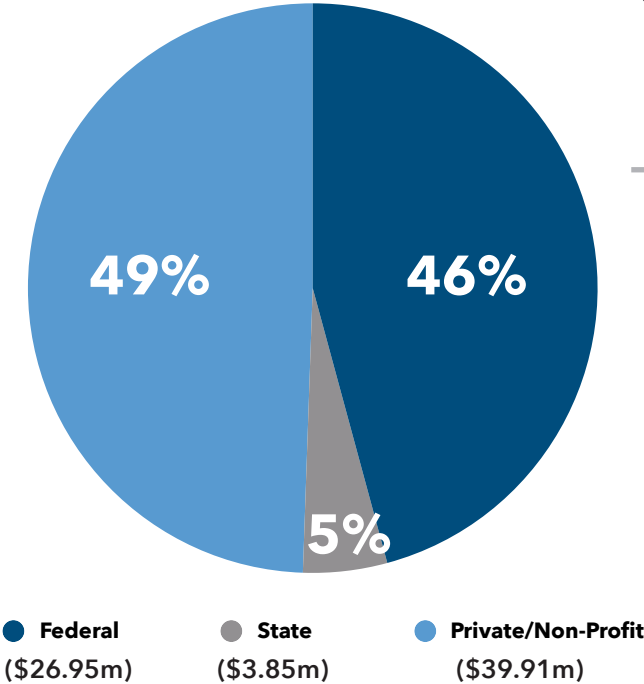
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TSUS Facts & Figures

FY 2020 Funding Sources

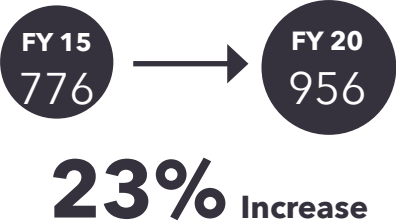


Federal Funds - All federal monies used in support of the R&D activities of the institution.

State - Included in this category are state appropriated "non-formula items," state research contracts and grants, interagency contracts, contracts with Texas local governments, etc.

Private/Non-Profit - Include expenditures from both for-profit and non-profit corporations and individuals. Also, included in this category funds from other states.

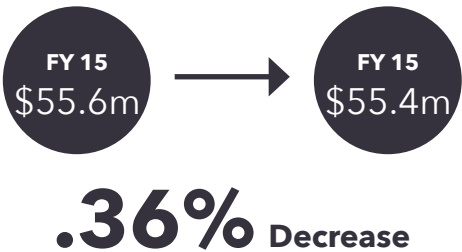
Proposals Submitted



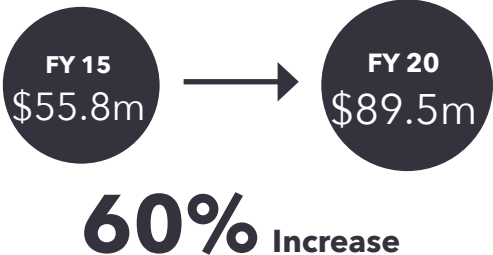
Proposals Funded



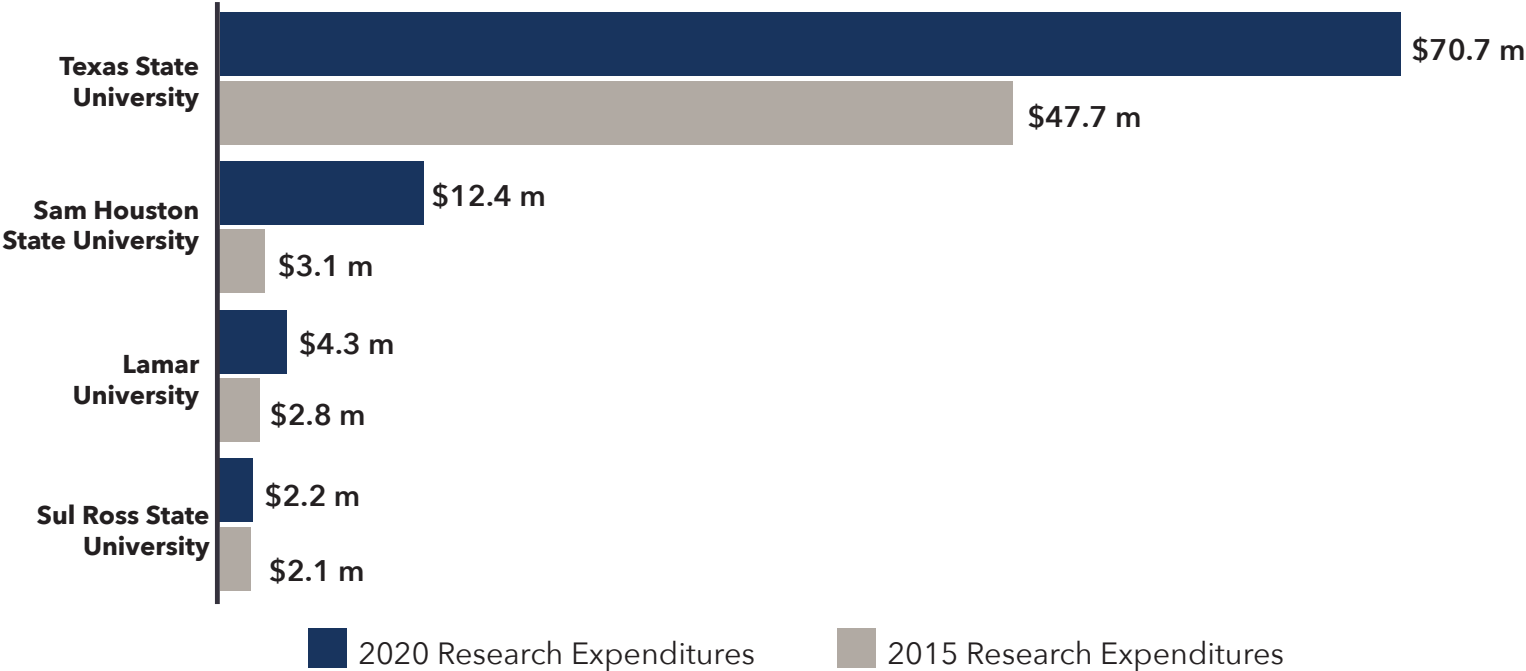
Funding Awarded



Research Expenditures



Research Expenditures by University





Alleviating the Environmental Impacts of Floodwater in Southeast Texas

Lamar Civil and Environmental Engineering Professor Dr. Qin Qian is supported by the Texas General Land Office, National Oceanic and Atmospheric Administration and the United States Environmental Protection Agency to measure the level of contamination of flood water in the Southeast Texas and to develop best practices to improve the water quality in the runoff to the Gulf of Mexico. Her work not only addresses the critical need to better understand water pollution in an industrial metroplex that is frequently impacted by hurricanes and floods, but also designs and builds green infrastructure systems that mitigate the pollution. The project will demonstrate two proof-of-concepts natural biofiltration system, with one on the Lamar University campus. "The outcome of this project can change the willingness to adopt, fund and implement green stormwater infrastructures at a large scale in Southeast Texas. This can inspire the next generation specializing in coastal flood resiliency," said Qian. She also plans to extend this research project to national infrastructure databases and build educational and outreach programs.

A Look Inside the Nucleons

Lamar Physics Professor and Chair Dr. Philip Cole receives support from the National Science Foundation to advance understanding of fundamental structure of nucleons that make up matter of the visible universe. He will engage undergraduate physics students to work at nuclear physics laboratories in Virginia, US and in Germany. The research and the associated learning experience aim to answering the very question on how matter is made and the transition of energy and mass of inside atoms, the basic building blocks of our physical world. According to Cole, understanding how the strong force is generated inside the nucleus is one of the greatest intellectual challenges facing nuclear physicists today because the spatial scale of the force is so small that so very little is really known about the internal structure of protons and neutrons.

Riding on the Hidden yet Available Spectrum

Lamar Computer Science Assistant Professor Dr. Xingya Liu receives funding from the National Science Foundation to exploit the "upper layer spectrum sensing and directionality" to gain access to the hidden spectrum available for communication and data transfer. This research has significant impacts on exploration in emerging technologies with dynamic spectrum access, such as vehicular networks, mobile health, and opportunistic interconnections of heterogeneous wireless networks. Upper layer networking techniques are incorporated to discover and access an additional available spectrum hidden from physical layer detection. Students will be engaged in innovated demonstration to explore the complex concepts of communications and networking through inductive learning and hands-on projects.

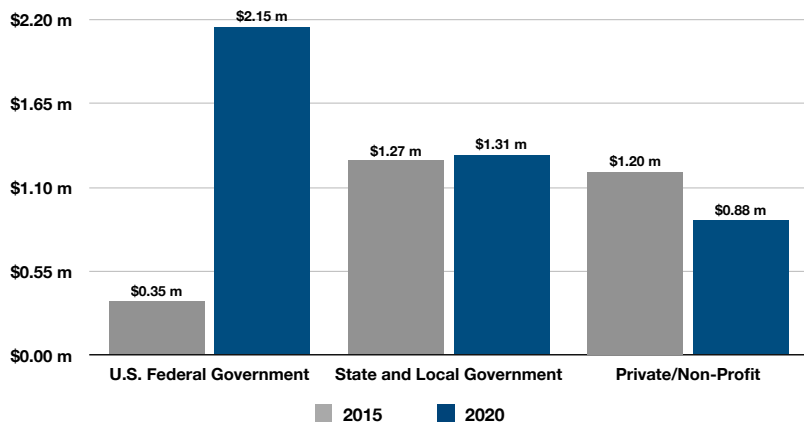
Tough Alloys

Lamar Mechanical Engineering Assistant Professor Dr. Zhe Fan received an Engineering Research Initiation Grant from the National Science Foundation to develop dual phase complex concentrated alloys that can withstand high temperature and corrosive conditions. His work advances the understanding on the multivariate relationship among high temperature, mechanical behavior, deformation mechanisms and interface effects. The knowledge of such physical properties has a wide range of applications in material development and selection, particularly in remote locations with harsh environmental conditions. This project will also offer research opportunities to undergraduate and graduate students along with faculty collaborations from both LU and scientists from external institutions.

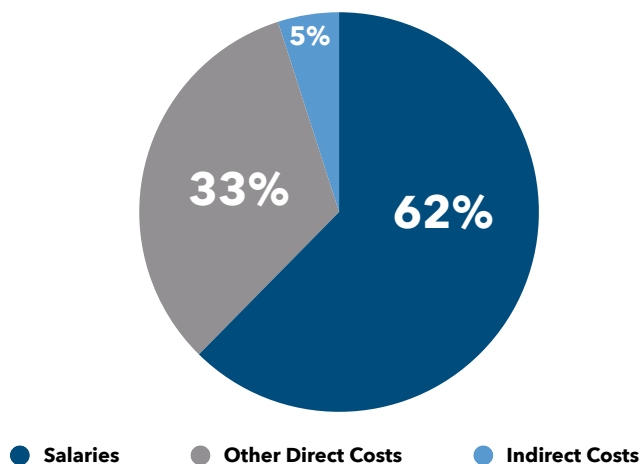


Facts & Figures

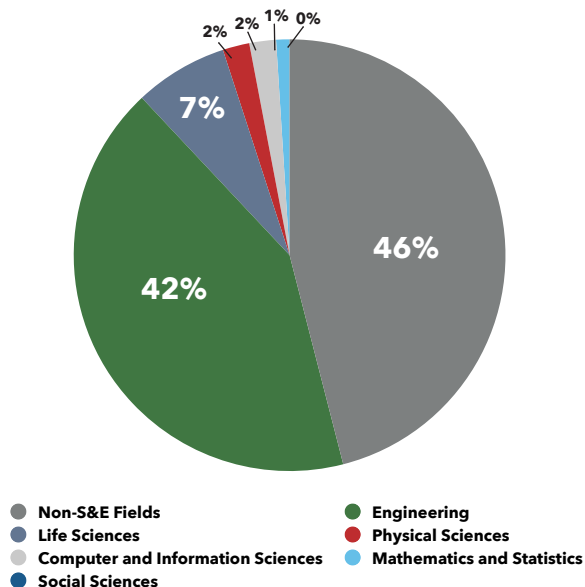
Funding Sources



FY 2020 Types of Costs



FY 2020 Fields of Research



University Research Centers

- ★ Center for Advances in Port Management
- ★ Center for Advances in Water and Air Quality
- ★ Center for Midstream Management and Science
- ★ Center for Resiliency
- ★ Small Business Development Center - Lamar University
- ★ Texas Air Research Center
- ★ Texas Hazardous Waste Research Center
- ★ Texas Manufacturing Assistance Center - SE Texas

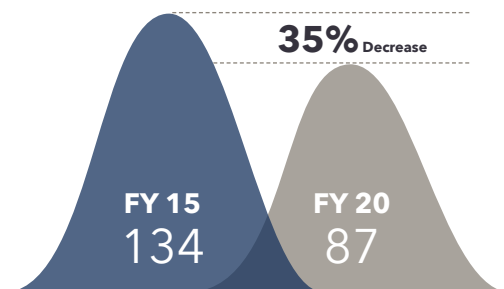
Funding Sources

- ★ American Bureau of Shipping
- ★ American Chemical Society
- ★ American Physics Society
- ★ CRC Pipeline International, Inc.
- ★ U.S. Department of Commerce (NIST, NOAA, EDA)
- ★ Iron Horse Terminal, LLC.
- ★ Light Environment International, LLC
- ★ Lower Neches Valley Authority
- ★ Middle Tennessee State University
- ★ National Aeronautics and Space Administration
- ★ National Oceanic and Atmospheric Administration
- ★ National Science Foundation
- ★ Office of Research
- ★ Port of Port Arthur
- ★ Riverside Research - Department of Defense Air Force
- ★ Sabine River Authority
- ★ Texas General Land Office
- ★ Texas Higher Education Coordinating Board
- ★ U.S. Department of Defense
- ★ U.S. Department of Energy
- ★ U.S. Department of Health and Human Services
- ★ U.S. Department of Education
- ★ UT Arlington - National Institute of Standards
- ★ Welch Foundation

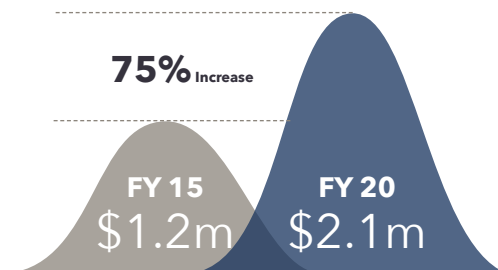


Facts & Figures

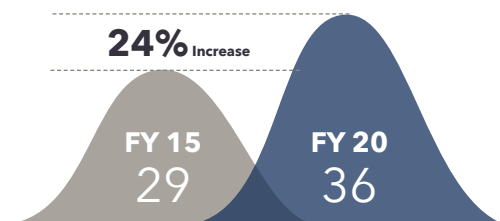
Proposals Submitted



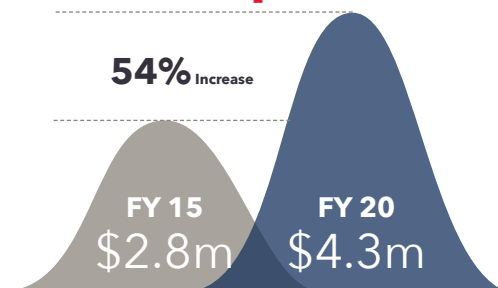
Funding Awarded



Proposals Funded



Research Expenditures





The Physiological and Relational Bases of Persistent Post-Traumatic Stress in Latino Immigrant Youth

Latino immigrant children are disproportionately affected by posttraumatic stress symptoms, therefore there is a critical public health need to understand risk and protective factors for the persistence of these symptoms in the post-migration U.S. context. The proposed study will test both a physiological mechanism underlying this disparity-increased inflammatory response- and the protective effects of parent-child relationship factors in mitigating risk for persistent posttraumatic stress symptoms post-migration in a population that is disproportionally affected and rapidly growing in the U.S. and Texas (data collection site): recently immigrated Latino families. This study will provide novel data on a critical need in minority mental health, posttraumatic stress symptoms, by linking this outcome to a disease mechanism at the physiological level and to protective factors representing putative intervention targets for future research.

Transcriptional Regulation of Adipocyte Inflammation by Early B-Cell Factor (Ebf1)

Obesity is associated with multiple metabolic diseases including insulin resistance, diabetes, hypertension, heart disease, atherosclerosis, some forms of arthritis, and even cancer. Nearly two decades' worth of evidence has indicated that chronic inflammation in adipose tissue (fat cells)—which often accompanies prolonged overnutrition—may represent a major underlying cause of many of these diseases. We have identified a key gene that controls adipocyte inflammation; thoroughly understanding how this gene works may pave the way for development of novel therapeutics aimed at treating metabolic disease.

Network 9: Student-Centered Transitions Network

The Student-Centered Transitions grant is designed to build collaborative infrastructures among students, families, schools, districts, and communities to equip all students with disabilities to be actively involved in planning, communicating, and evaluating progress in meeting their transition goals from early childhood through high school graduation and post-secondary readiness.

Evaluating Project Safe Neighborhoods in the Southern District of Texas

This project will continue to serve the accountability design feature of PSN program Implemented by the US Attorney's Office in the Southern District of Texas (SDTX). The general goal of the project will be to assist the SDTX PSN team, using a data-Informed approach, as they develop evidence-based intervention and prevention Initiatives, and Implement the PSN program effectively to address violent crimes In the targeted area.

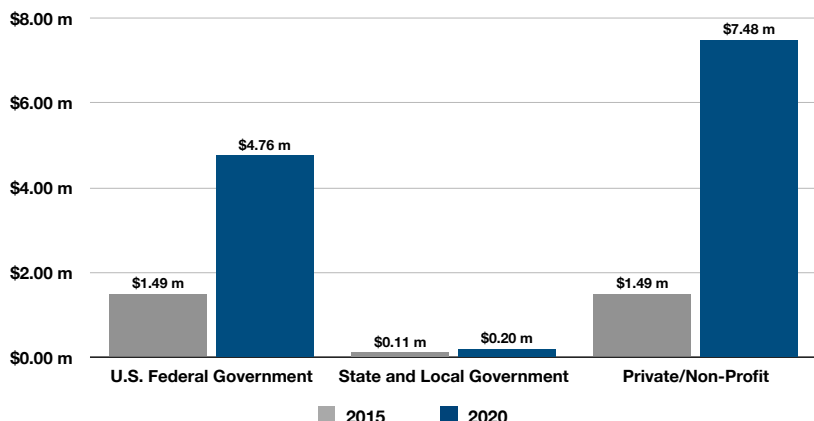
Law Enforcement Stress and Coping

A goal of this project is to validate the Vera Institute of Justice Trafficking Victim Identification tool to ensure that it is standardized and psychometrically sound.

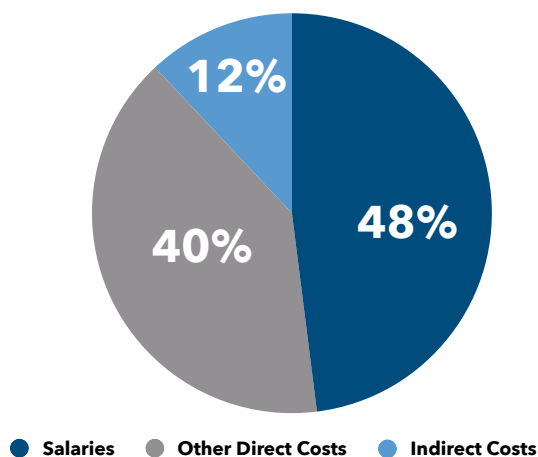
The Greater Houston Area PATH Collaborative provides brief counseling interventions, stabilization, and both inpatient and outpatient care. While highly individualized, this intervention falls within evidence-based practice through the use of motivational interviewing (MI), cognitive behavioral therapy (CBT), cognitive processing therapy (CPT), seeking safety, dialectical behavior therapy (DBT), and prolonged exposure (PE). After the patient is stabilized, victims are connected with community outreach programs that have partnered with the PATH Collaborative, including the Houston Mayor's Office, The Landing, The Salvation Army (Sally's House), and other local shelters. These programs can provide housing, vocational and life skills training, occupational therapy, and programming to further assist victims in their recovery. Throughout each step of this individually tailored process, the PATH Collaborative team provides victims with the treatment, skills, and resources necessary to help them integrate back into the community.

SH Facts & Figures

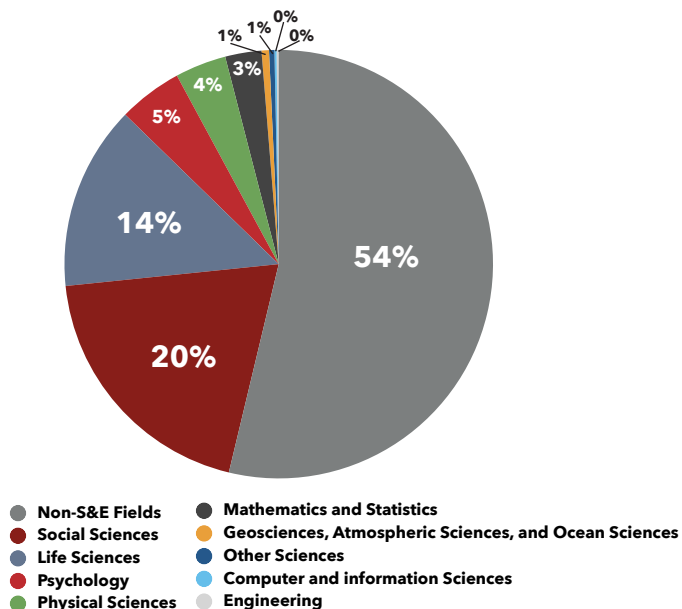
Funding Sources



FY 2020 Types of Costs



FY 2020 Fields of Research



University Research Centers

- ★ Cyber Forensics Intelligence Center
- ★ Geospatial Research and Service Center
- ★ Global Center for Journalism and Democracy (2009 - 2017)
- ★ Sam Houston State Natural History Collections
- ★ Southeast Texas Applied Forensic Sciences Facility (STAFS)
- ★ Texas Research Institute for Environmental Studies (TRIES)
- ★ Virtual Laboratories

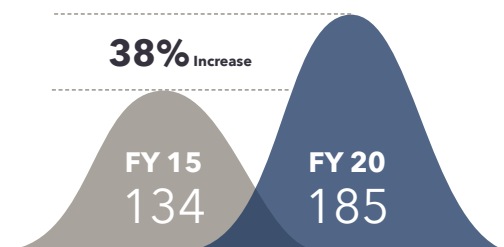
Funding Sources

- ★ Bill and Melinda Gates Foundation
- ★ Botanical Research Institute of Texas
- ★ Ed Rachal Foundation
- ★ Entergy
- ★ Forensics Science Foundation
- ★ Humanities Texas
- ★ Impaq International
- ★ Joint Admission Medical Program
- ★ Library of Congress
- ★ Lockheed Martin
- ★ National Institute of Justice
- ★ National Institutes of Health
- ★ National Science Foundation
- ★ Office of National Drug Control Policy
- ★ Office of the Texas Governor
- ★ Powell Foundation
- ★ Texas Alcoholic Beverage Commission
- ★ Texas Commission on the Arts
- ★ Texas Department of Agriculture
- ★ Texas Department of Criminal Justice
- ★ Texas Department of Public Safety
- ★ Texas Department of Transportation
- ★ Texas Education Agency
- ★ Texas Equine Veterinary Association Foundation
- ★ Texas Higher Education Coordinating Board
- ★ Texas Higher Education Foundation
- ★ Texas Urban Forestry Council
- ★ The Forensic Science Foundation, Inc.
- ★ U.S. Army
- ★ U.S. Department of Agriculture
- ★ U.S. Department of Education

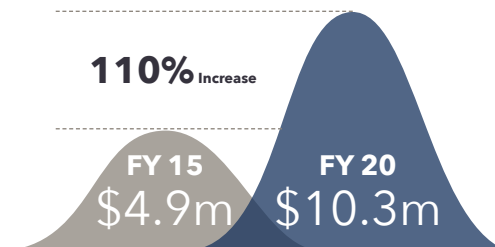


Facts & Figures

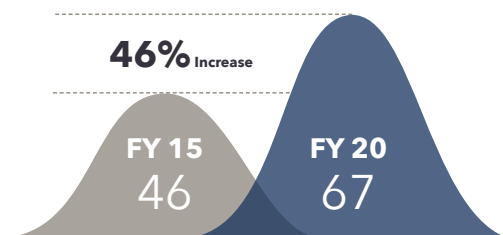
Proposals Submitted



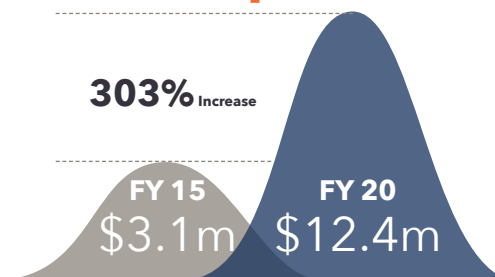
Funding Awarded



Proposals Funded



Research Expenditures





Pronghorn Habitat Research

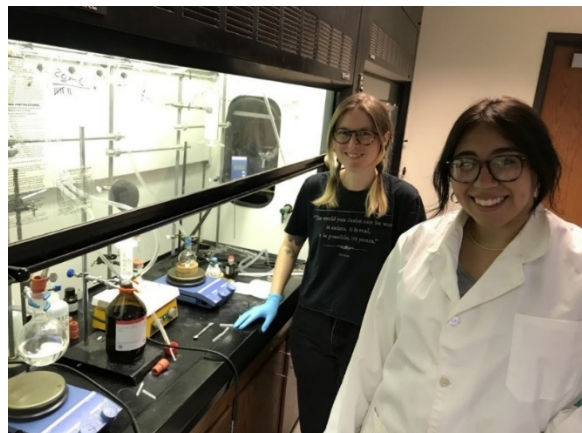
With an ongoing grant from Texas Parks and Wildlife Department, The Borderlands Research Institute is studying how cattle grazing affects pronghorn habitat, specifically in relation to forbs, the preferred food of pronghorn. Researchers measured differences in forb biomass production, protein levels, and energy values across continuous, rotational, and non-grazed systems in West Texas. Results from this study revealed differences in how often productive patches of high-quality forbs occur between the three systems. During years of late and low rainfall, rest from grazing promotes forb production. By contrast, in years of higher rainfall when precipitation is received evenly throughout the year, rotational grazing may be a better option for forb production. These findings provide crucial information for improving pronghorn habitat through cattle grazing in the Trans-Pecos.

The Center for Big Bend Studies Research

The Center for Big Bend Studies continued a third year of collaborative partnership with the University of Kansas Odyssey Archaeological Research Fund searching for evidence of the earliest human occupations in North America. Director Dr. Bryon Schroeder, the co-principal investigator, along with Dr. Rolfe Mandel, distinguished professor of Anthropology/Geology at the University of Kansas, led a team of students and researchers at the continued excavation of San Esteban Rockshelter. The results confirm the site contains a nearly continuous record of human occupation for 6,000 years and may stretch as far back as the Pleistocene/Holocene transition some 13,000 years ago. This research collaboration resulted in the discovery of the first buried Clovis site (distinctive stone tools that belong to some of the first groups to enter North America) in the Big Bend region on the GLD site. Work at this buried archaeological site led to the creation of the Lykes Formation, a group of distinctive sediments and soils reflective of specific environmental signatures and cultural occupations.

3-Year Welch Foundation Chemistry Department Grant

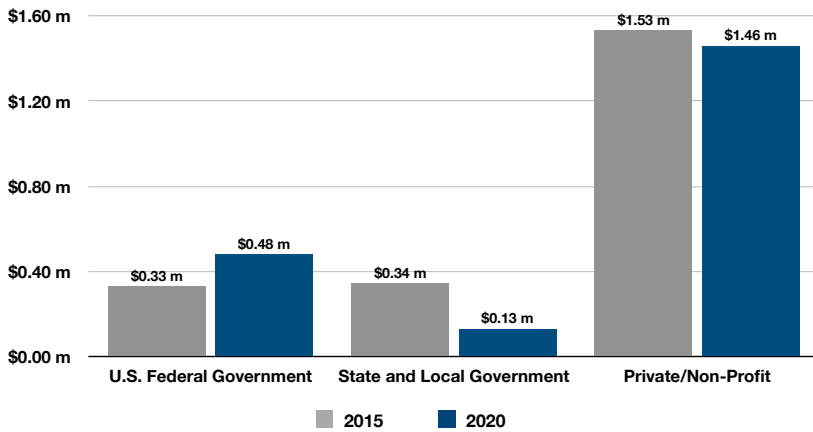
The undergraduate chemistry program at Sul Ross State University received a 3-year \$75,000 Welch Foundation Chemistry Department grant that started in Summer 2021. Research students that got accepted into this competitive program undertook applied chemical research projects under the supervision of Dr. David Leaver and Dr. Hong-Young Chang. Active research projects include the development of synthetic carbohydrate biomimetics as urinary tract infection prophylactics (Vanessa Salazar, right first photo), the discovery of metallochaperone protein inhibitors as possible next generation antibiotics (Taylor Moore, left first photo) and synthesis and characterization of new oxofluorides: A-Bi-Se-system; A = NH_4^+ , Cs^+ , Rb^+ , Ba^{2+} (Derek Dacus, second photo).



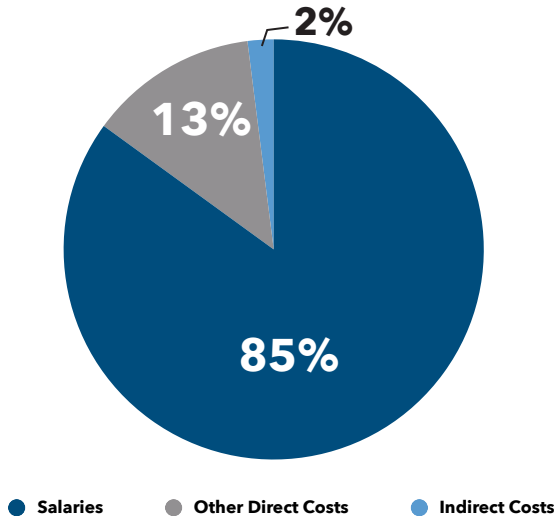


Facts & Figures

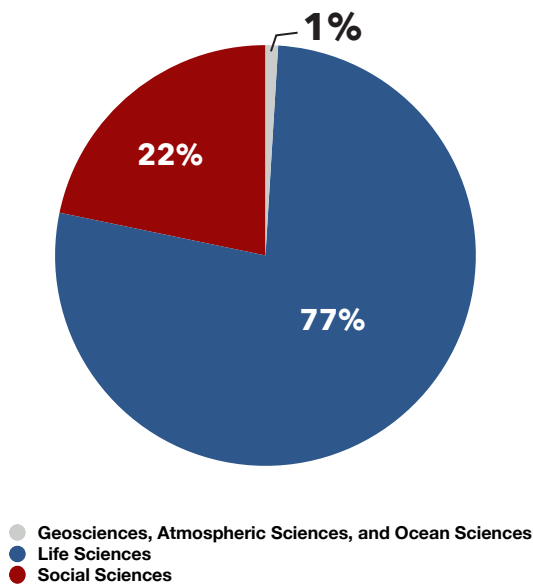
Funding Sources



FY 2020 Types of Costs



FY 2020 Fields of Research



University Research Centers

- ★ Borderlands Research Institute
- ★ Center for Big Bend Studies
- ★ Rio Grande Research Center

Funding Sources

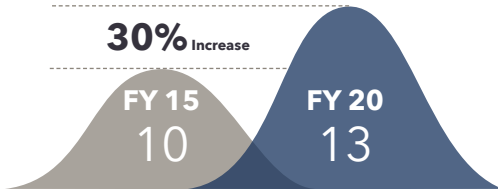
- ★ AmericaView, Inc.
- ★ Cynthia & George Mitchell Foundation
- ★ Department of Agriculture
- ★ Department of Defense
- ★ Dixon Water Foundation
- ★ Lykes Bros 02 Ranch
- ★ National Fish and Wildlife Foundation
- ★ National Science Foundation
- ★ Still Water
- ★ Texas A&M University - Kingsville
- ★ Texas Parks and Wildlife Department
- ★ The Meadows Foundation
- ★ The Welch Foundation
- ★ U.S. Department of the Interior - National Park Service
- ★ Wesleyan University
- ★ U.S. Department of the Interior - Bureau of Land Management



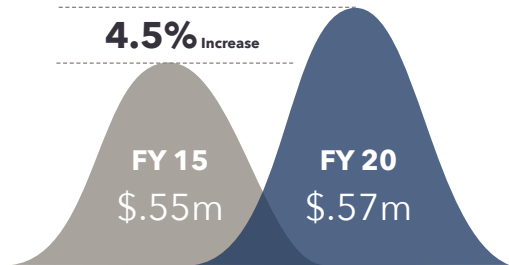


Facts & Figures

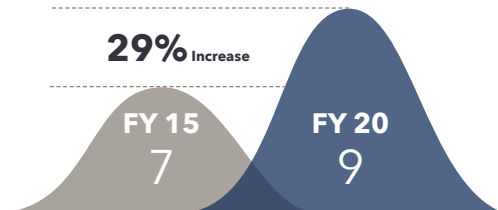
Proposals Submitted



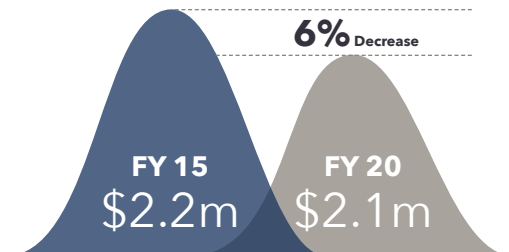
Funding Awarded



Proposals Funded



Research Expenditures



Translational Health and Technology

Healthcare is multidisciplinary. Our researchers work together across traditional boundaries, engaging in applied research to improve health outcomes for people near the university and far. For example, Big Data in Healthcare Data science uses computer science and math to make sense of the massive amount of data being generated in a field such as healthcare. One Texas State researcher uses data science to work on issues related to depression, chronic pain, HIV research, and multiple sclerosis. Others use algorithms to interpret brain scans of mental health patients and identify the treatments most likely to help them. They're developing ways to reduce the number of patients needed for clinical trials, which saves money and makes new treatments available sooner.

Public Health and Safety

Serving our communities has long been a Texas State value. Helping build resilient communities is our specialty. Through research into cognitive and emotional wellbeing, public safety and related topics, we are improving the quality of life for people in Texas and beyond. For example, the advanced Law Enforcement Rapid Response Training (ALERRT) Center has been the FBI's national standard for active-attack response training and testing whether virtual reality (VR) is as effective in learning in other real-life scenarios. The results may shape the future of our world for public safety and law enforcement but also in fields such as health care, engineering, aerospace, education, and sports medicine—and the futures of Texas State students who will be leaders in implementing these new technologies in the workforce. Furthermore, the Texas School Safety Center delivers research-based programs on key school safety initiatives and mandates sponsored by federal, state, and private funding.

Advanced Materials

More than 70 Texas State researchers are developing sensor platforms of the future to bring smart technology to both houses and cities. Sensors are increasingly embedded in everyday technology such as lights, thermostats, security systems, smoke alarms, refrigerators, and automobiles. The smart homes of the future will have fully integrated sensor technology that can be managed from a single device. What's more, they'll use artificial intelligence and machine learning to adapt to your patterns and recognize changes that could predict a safety hazard.

Powering Industry Innovation

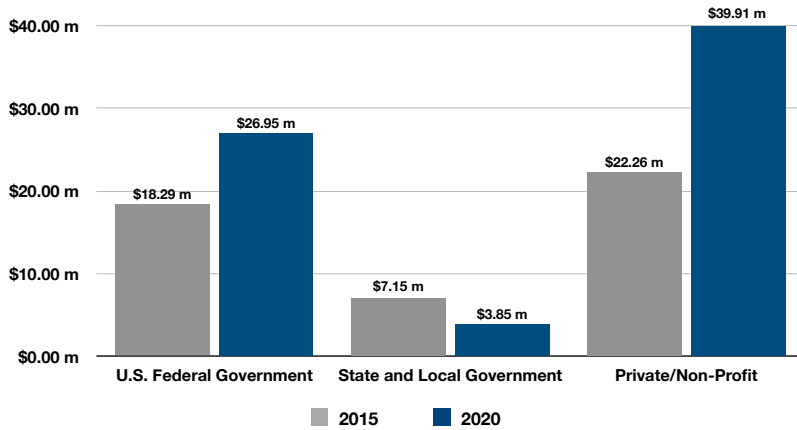
Researchers at Texas State use imagination and determination to bring new ideas, processes, and products to life. We are a strong engine of workforce development and job creation. Our location within the Texas Innovation Corridor fosters many connections among industries and individuals in technical, entrepreneurial, and creative fields. For example, during their academic study and research, students and professors at Texas State collaborate on ideas for new technologies, devices, and solutions to social problems. The university has invested in a robust innovation and entrepreneurship ecosystem that includes six makerspaces and prototyping labs, degree programs with a focus on technology commercialization, the startup incubator Science, Technology, and Advanced Research (STAR) Park, boot camp experiences in design thinking idea development, and new-venture business plan competitions.

Teaching and Lifelong Learning

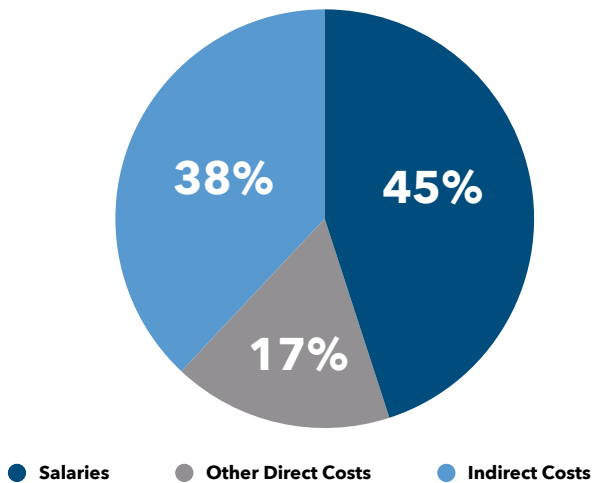
Texas State began as a normal school devoted to preparing new teachers. We continue that legacy by providing degrees in education and with research into the myriad factors that influence teaching and learning at every stage of life. For example, Texas State received a 1.5 million reskilling grant from the United States Department of Education's Education Stabilization Fund Program via the Governor's Emergency Education Relief (GEER) Fund to help students with college credit return to school and complete their degrees. We also received a \$1.4 million grant from the U.S. Department of Education's Institute of Education Sciences to study writing instruction for students with disabilities.

Facts & Figures

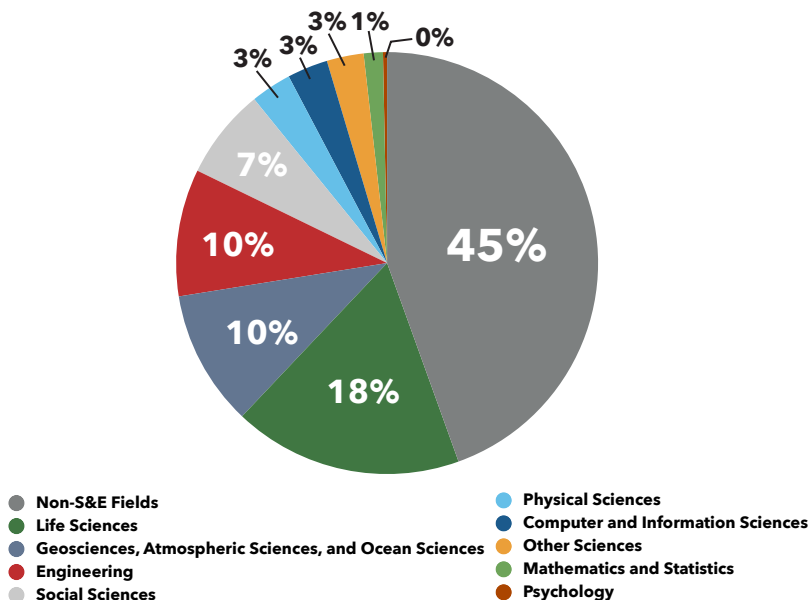
Funding Sources



FY 2020 Types of Costs



FY 2020 Fields of Research



University Research Centers

- ★ Center for Innovation and Entrepreneurship
- ★ Freeman Center
- ★ Materials Applications Research Center
- ★ Texas School Safety Center
- ★ The Meadows Center for Water and the Environment
- ★ The Translational Health Research Center
- ★ Xiphophorus Genetic Stock Center

Funding Sources

- ★ Acushnet Company (a.k.a. FootJoy)
- ★ Air Force Office of Scientific Research
- ★ Alga Technologies, LTD.
- ★ Alliance for Sustainable Energy, LLC
- ★ American Council of Learned Societies
- ★ American Speech/Lang Hrng Assn American Speech/Lang Hrng Assn
- ★ Ann & Robert H. Lurie Children's Hospital of Chicago
- ★ AR Consultants, Inc.
- ★ Association for Assessment and Research in Counseling - Rochelle Cade
- ★ Base-Seal International, Inc.
- ★ Bastrop County Attn: County Auditor
- ★ Beta Beta Beta Research Foundation Kathy Roush
- ★ Braun & Gresham, Attorneys at Law
- ★ Bureau of Land Management
- ★ Cement Council of Texas (CCI)
- ★ Center for Open Science, Inc.
- ★ Changing Expectations
- ★ Chico State Enterprises
- ★ China Rowing Association
- ★ Chung-Ang University
- ★ Cimarex Energy
- ★ City of Austin Watershed Protection Dept.
- ★ City of Fort Stockton, TX
- ★ City of Houston, Houston Public Works
- ★ City of San Marcos, Texas
- ★ Clemson University
- ★ Eastern New Mexico University
- ★ Electroninks, Inc.

Funding Sources (cont.)

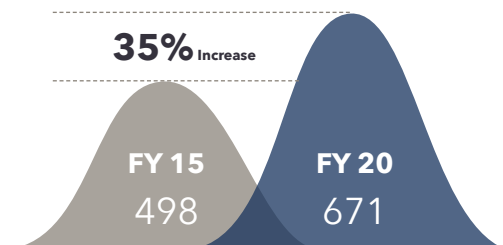
- ★ FAS Holdings Group, LLC
- ★ Federal Bureau of Investigation
- ★ Federal Emergency Management Agency
- ★ Federal Highway Administration
- ★ FiberLight, LLC.
- ★ Field Research Program
- ★ First Solar, Inc.
- ★ George Mason University Accounts Payable Office
- ★ Google Faculty Research Award
- ★ Harris-Galveston Subsidence District
- ★ Honeybee Factory (HF)
- ★ Houston Products Processing (HPP Materials, Inc.)
- ★ ISU Inc.
- ★ Jacobs Technology
- ★ Justices of the Peace & Constables Association of Texas, Inc.
- ★ Korea Institute of Civil Engineering and Technology (KICT)
- ★ Langford Community Management Services Inc.
- ★ Lyndon B. Johnson National Historical Park
- ★ McKnight Memory and Cognitive Disorders Award
- ★ Michigan Technological University
- ★ Mitsubishi Electric Corp. Advanced Technology R&D Center
- ★ Nanohmics, Inc.
- ★ National Aeronautics and Space Administration
- ★ National Endowment for the Humanities
- ★ National Fish and Wildlife Foundation
- ★ National Geographic Society
- ★ National Institutes of Health
- ★ National Institutes of Health National Center for Research
- ★ National Institute of Standards and Tech
- ★ National Science Foundation
- ★ National Space Foundation
- ★ National Wildlife Federation
- ★ New South Associates, Inc.
- ★ Office of Naval Research
- ★ Office of the Governor
- ★ People's Community Clinic
- ★ Perennial Environmental Services, LLC.
- ★ Poinix, Inc.
- ★ Psi Chi International Honor Society
- ★ Public Safety and Frictionless Customer Experience Request for Proposals
- ★ Research Program
- ★ Rural Capital Area Workforce Development Board, Inc.
- ★ Sam Houston State University Office of Contracts & Grants
- ★ San Marcos Greenbelt Alliance
- ★ Smithsonian Astrophysical Observatory
- ★ Space Telescope Science Institute Grants Administration
- ★ Terracon
- ★ Texas A&M Engineering Extension Service
- ★ Texas Christian University
- ★ Texas Commission on Environmental Quality
- ★ Texas Comptroller of Public Accounts
- ★ Texas Department of Transportation
- ★ Texas Department of Criminal Justice Reentry and Integration Division
- ★ Texas Dept of State Health Services Fiscal Division Accounts Payable
- ★ Texas Department of Transportation
- ★ Texas Department of Transportation Research & Technology
- ★ Texas General Land Office
- ★ Texas Parks & Wildlife Department
- ★ Texas Parks and Wildlife Department Wildlife Division
- ★ Texas Southern University
- ★ Texas Speech-Language-Hearing Foundation
- ★ The Leakey Foundation
- ★ The McKnight Endowment Fund for Neuroscience
- ★ Toyota Material Handling North America, Inc.
- ★ Travis County Auditor's Office Patti Smith, CPA
- ★ University of California - Irvine
- ★ University of Georgia - Athens
- ★ University of Michigan Sponsored Programs
- ★ University of Nevada, Reno
- ★ University of Texas at Austin Steve Hicks School of Social Work
- ★ University of Texas at Austin Texas Space Grant Consortium
- ★ U.S. Army Corp of Engineers
- ★ U.S. Army Office of Naval Research San Diego
- ★ USDA Forest Services

Funding Sources (cont.)

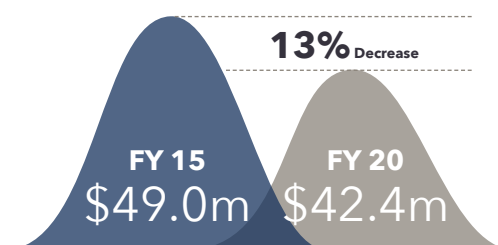
- ★ U.S. Department of Agriculture
- ★ U.S. Dept of Agriculture- NIFA National Institute of Food & Agriculture
- ★ U.S. Department of Defense
- ★ U.S. Department of Education
- ★ U.S. Department of Energy
- ★ U.S. Department of Health and Human Services
- ★ U.S. Department of Justice
- ★ U.S. Department of Justice Community Oriented Policing Services
- ★ U.S. Department of Health and Human Services Administration for Community Living
- ★ U.S. Department of Justice Office of Justice Programs
- ★ U.S. Department of Labor

- ★ U.S. Fish and Wildlife
- ★ U.S. Naval Research
- ★ U.S. Forestry Services
- ★ Visiting Research Scholar Program
- ★ Water Program
- ★ Western Michigan University
- ★ Windham School District - Business Office
- ★ Yeongcheon City

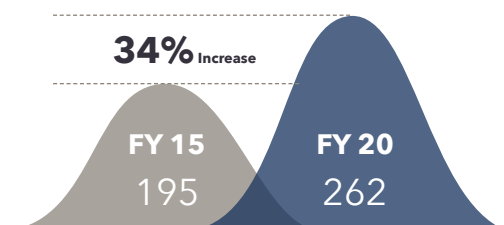
Proposals Submitted



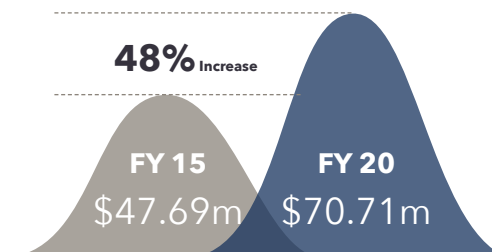
Funding Awarded



Proposals Funded



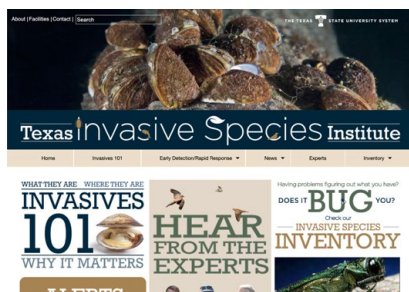
Research Expenditures



TSUS Research

Christmas Mountains

The Christmas Mountains are a small range of mountains next to Big Bend National Park in Brewster County, Texas, United States. The highest peak is 5,728 feet (1,746 m) above sea level. The 9,270 acre tract is owned by the Texas State University System and is open to the public and to academic researchers.



The Texas Invasive Species Institute

The Texas Invasive Species Institute is the first comprehensive effort in Texas focused on the early detection of and rapid response to invasive species that impact ecosystems and the Texas economy. The Institute draws from the expertise of more than 40 researchers across the Texas State University System. This expertise enables TISI to apply effective measures currently lacking in Texas when dealing with detection and rapid response to invasive species.

Normandy Group

Securing such funding for research institutions requires a rigorous and dynamic partnership between universities and the Normandy Group. Each year, researchers and faculty from each TSUS institution come to Washington to build relationships, explore funding opportunities, and eventually successfully pursue federal grants of interest. Similarly, the Normandy team visits TSUS campuses regularly to meet with university leadership, as well as program directors and faculty to better understand the institutions' requisite needs. As part of this process, the Normandy Group also seeks out non-federal sources of funding that may be applicable to a particular research project. Once a funding source has been identified for a particular project, Normandy works to formulate local support as well as Congressional support.



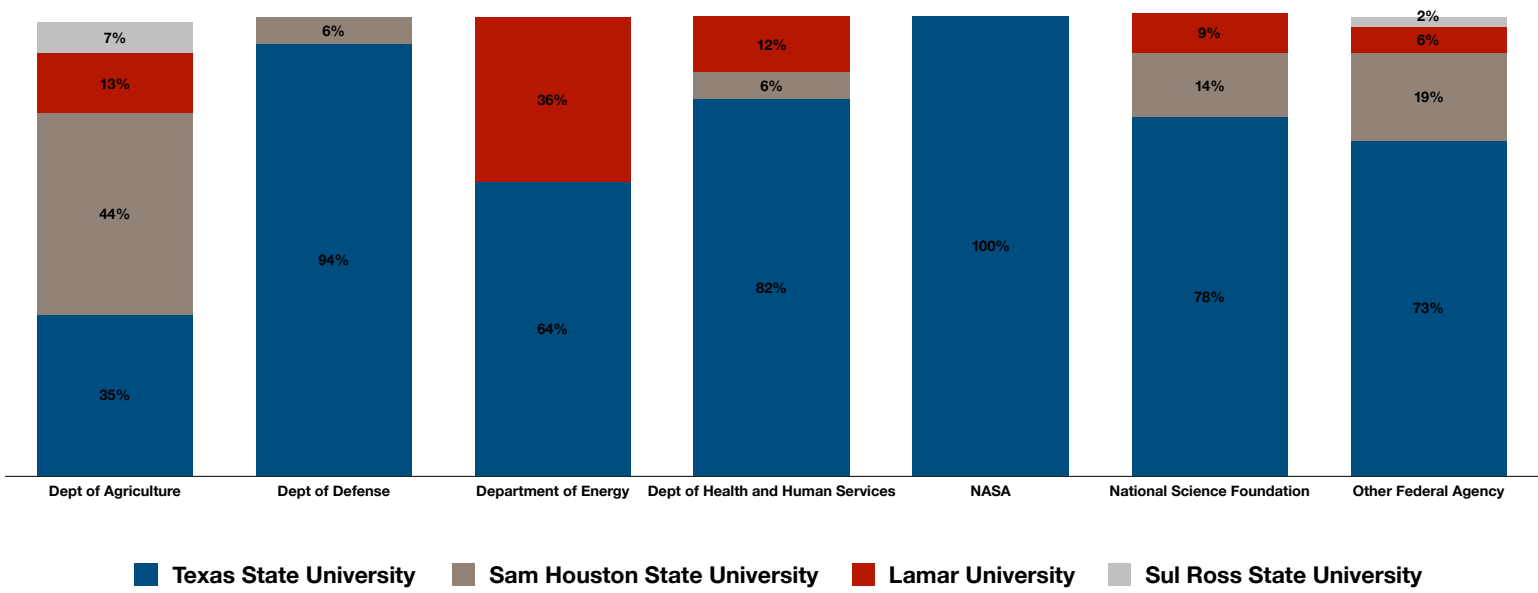
Task Force for Active Attack Preparation



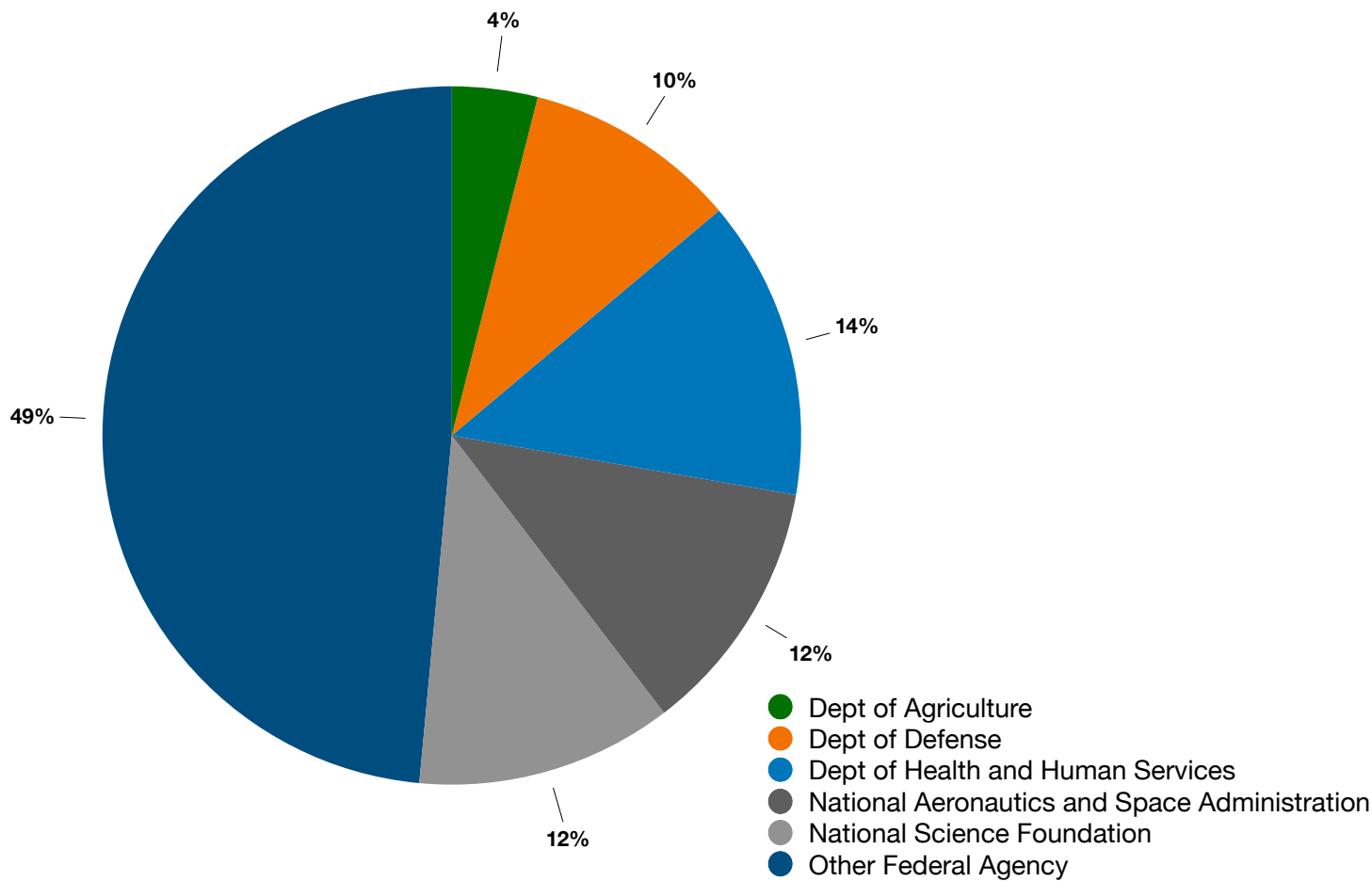
In March 2018, the Texas State University System Task Force for Active Attack Preparation (Task Force) was formed in response to regental and Chancellor concerns for the wellbeing of our campus communities. Component institutions nominated 15 Task Force members that included representatives from faculty, campus law enforcement, emergency management and administration. The Task Force members met multiple times in Austin, as well as completed safety audits on their individual campuses, which resulted in the creation of a training video, System policy recommendations and a virtual tool kit, to assist any campus looking for research-based best practices for developing their own emergency operations plans.

TSUS Research Funding

Percent of Federal Agency Funds Expended by Component



2020 Federal Research Funds by Federal Agency



TSUS Leadership

Board of Regents



Duke Austin
Chairman



Garry Crain
First Vice Chairman



Alan L. Tinsley
Second Vice Chairman



Charlie Amato
Regent



Sheila Faske
Regent



Dionicio (Don) Flores
Regent



Nicki Harle
Regent



Stephen Lee
Regent



William F. Scott
Regent

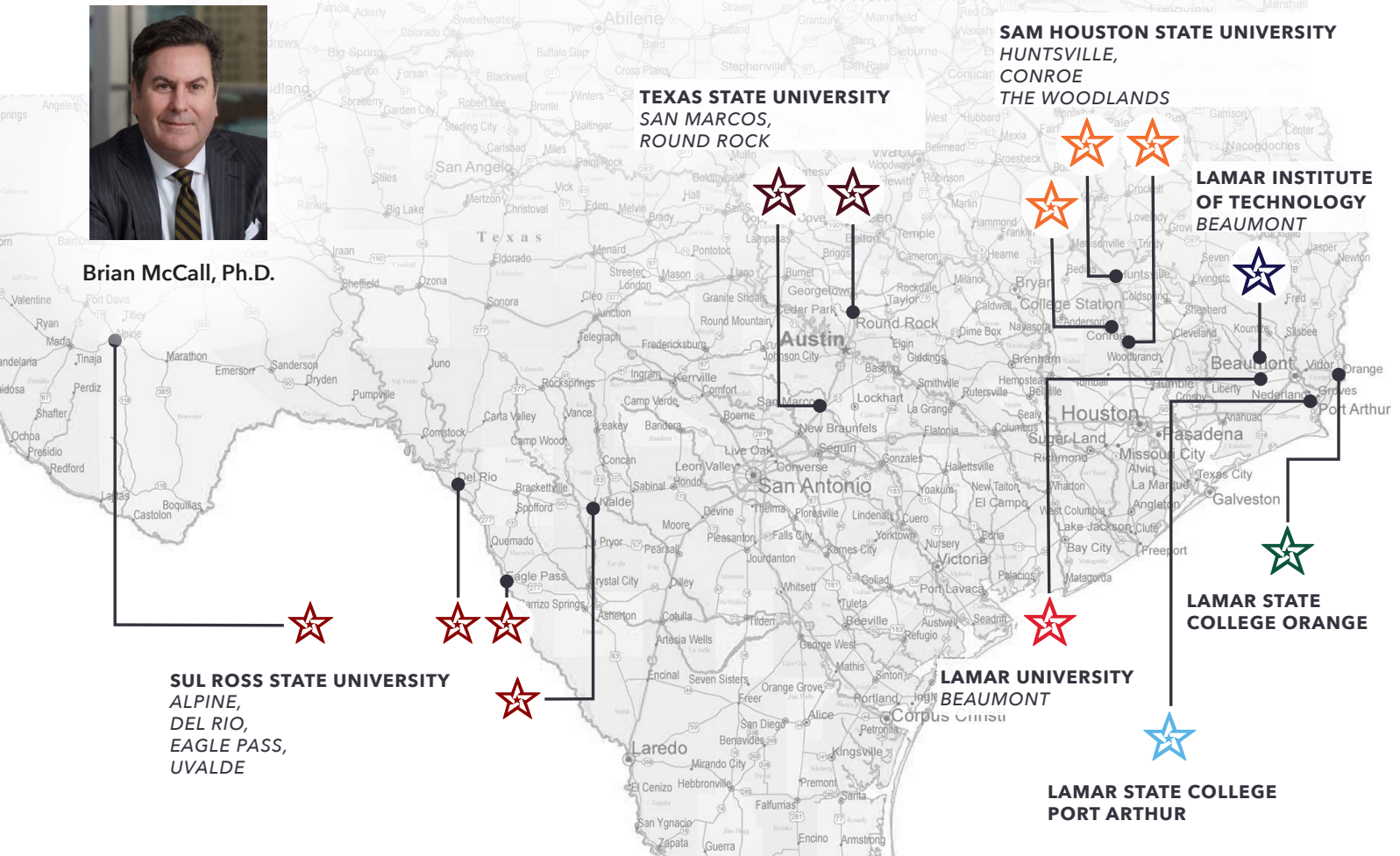


Gabriel Webb
Student Regent

Chancellor



Brian McCall, Ph.D.





TSUS Quick Facts

- ★ The Texas State University System (TSUS) is the third-largest university system in Texas and 21st nationally based on enrollment.
- ★ The System is based in Austin, Texas and is governed by a nine-member Board of Regents appointed by the Governor and led by a board-appointed Chancellor.
- ★ More than 86,000 students (32% Hispanic, 17% African-American, and 38% Pell undergraduate students) are enrolled at TSUS's seven member institutions, a 20% increase since 2010.
- ★ The System awards more than 22,000 degrees and credentials per year, a 49% increase since 2010.
- ★ Approximately 15,500 are employed across the system, including 4,500 faculty, 5,000 staff and administrators, and another 6,000 student workers.
- ★ The System has a combined operating budget of approximately \$1.5 billion.
- ★ TSUS receives 25% of its operating revenue from the state, down from 32% in 2010.
- ★ Total research expenditures across TSUS have increased 110% since 2010, to \$88 million.
- ★ The System's endowment across all institutions has more than doubled since 2010, to \$670 million.
- ★ TSUS's administrative office has the fewest employees and the smallest budget – by far – of any university system in Texas.
- ★ The System's administrative cost as a percentage of total operating revenue is 9.3%, down from 9.6% in 2010.

The Texas State University System
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Austin, TX 78701