# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEARN Member Organizations</td>
<td>2</td>
</tr>
<tr>
<td>2014 Executive Committee</td>
<td>3</td>
</tr>
<tr>
<td>Letter from the Chair</td>
<td>4</td>
</tr>
<tr>
<td>Letter from the President</td>
<td>5</td>
</tr>
<tr>
<td>LEARN Overview &amp; History</td>
<td>6</td>
</tr>
<tr>
<td>Activities &amp; Accomplishments</td>
<td>9</td>
</tr>
<tr>
<td>Infrastructure Performance</td>
<td>17</td>
</tr>
<tr>
<td>Appendices</td>
<td>18</td>
</tr>
<tr>
<td>I.  LEARN Board of Directors</td>
<td>19</td>
</tr>
<tr>
<td>II.  Financial Statements Year Ended December 31, 2014</td>
<td>22</td>
</tr>
<tr>
<td>III.  Affiliate Organizations</td>
<td>26</td>
</tr>
</tbody>
</table>
Chair:
Stephen Riter
University of Texas at El Paso

Chair Elect:
Joe Gargiulo
Southern Methodist University

Past Chair:
Sam Segran
Texas Tech University

Secretary:
Jeffrey Graham
University of Texas - Pan American

Treasurer & Chair, Finance Committee:
Kay Rhodes
Texas Tech University System

Chair, Operations & Services Committee:
William Green
University of Texas at Austin

Chair, Governance & Participation Committee:
Pattie Orr
Baylor University

President & CEO:
Mike Phillips
LEARN
Stephen Riter  
*University of Texas at El Paso*

On behalf of our Board of Directors, I am pleased to present LEARN’s 2014 Annual Report. During the past year, through collaborations and partnership, we have made substantial progress in a number of key areas important to our mission and service to Texas. In the Report, you will have an opportunity to learn about the important work our members are doing as a result of having access to LEARN’s advanced optical fiber network, which provides Texas institutions the global connectivity needed in our interconnected world.

There are over 670 organizations in Texas connected to LEARN. These organizations represent a broad spectrum of different community anchor institutions ranging from some of the smallest independent school districts in Texas to some of the largest research institutions in the world. While the needs of this large and diverse group of organizations are very different, our consortium continues to show great leadership in their service to Texas by sharing resources and creating economies of scale that are typically only available to very large organizations in metropolitan areas. By aligning their strategies and trusting in a collaborative shared environment, our community is overcoming many of the communications challenges inherent in a large state like Texas that is both very rural and very urban.

LEARN’s Board of Directors meetings are the largest meetings of information technology professionals from organizations focused on education and research in Texas. During this past year, the Board modified the structure of its meetings so as to be a catalyst to enhance the interaction and sharing of expertise and ideas between our members in areas beyond the LEARN network services they share. Additionally, we created new activities during our meetings to engage local and regional community leaders where the meeting was being held. The goal of our community outreach is to create new relationships through personal interaction that will extend the value of LEARN to an even larger community of organizations.

LEARN is a leader in the national community of advanced regional optical fiber networks. Additionally, LEARN staff and representatives of our members are serving in leadership roles in their fields bringing recognition, economic growth and prestige to Texas. This visibility and leadership has resulted in two prestigious conferences being held in Texas during 2015. In September, the Energy Sciences Network, the National Sciences Foundation and The Quilt will be meeting together in Austin. This conference will include professionals focused on energy research, the principle science and engineering funding agency in the United States, researchers from across the country working on cyber infrastructure, and leaders in advanced regional networks. Additionally, in November several thousand researchers, scientists, and information technology professionals from around the world will attend the preeminent supercomputing conference (SC15) in Austin.

Although LEARN has a rich history of success, our Board is keenly aware that the environment is constantly changing and our focus must remain on the future.
Our Annual Report provides our dynamic community with an opportunity to highlight the strategically important role that LEARN plays in Texas. Our diverse community includes universities and colleges, health science centers, hospitals, community colleges, K-12 education service centers, independent school districts, the National Weather Service, state and local agencies, libraries and other important public service organizations. In support of the education, research, healthcare and public service elements of our mission, our community leverages the network to serve as a catalyst of collaboration and innovation among this broad constituency of Texans.

LEARN has built our history of success and our service to Texas on collaboration and developing partnerships both within our membership and with the private and public sectors. During 2014, collaboration and partnerships enabled LEARN to expand the topology of the network and add several new “on ramps” to the network to provide a growing community with access to valuable network enabled services. The future of Texas depends on how well we educate and prepare Texas public school children to be tomorrow’s leaders. Therefore, during the year, we were pleased to enter into an agreement to enable new services to an even broader K-12 community in Texas. Expanding our network topology to areas of unmet need and growing the community of organizations who are connected together through LEARN enabled services are essential elements to our long term strategy.

The image on our cover this year shows cancer cells. In our report, we feature the commitment and leadership of our colleagues at MD Anderson Cancer Center in their fight to eradicate cancer and end its devastating impact on society. It is essential that Texas researchers remain leaders in scientific discovery and transformational research in the very competitive and strategically important research community both nationally and internationally. Because of the expertise that is required and the cost, many of today’s research projects are global in scope and require a digital ecosystem of interconnected advanced networks like LEARN. During 2014, to ensure Texas researchers have the high speed connectivity they need to maintain a leadership role in research, LEARN provisioned 100 Gigabit connections in Dallas and in Houston to Internet2, the national research and education network for the United States.

We believe our Annual Report reflects the strategic importance of LEARN to Texans. While the network is vitally important, our success and our story is really about the remarkable things that our students, faculty, researchers, healthcare professionals, and public servants are able to accomplish on the network. From humble begins, through hard work, collaboration, coupled with a commitment and focus on the future, LEARN has become an organization that has and will continue to play an important role in the economic prosperity of Texas. We appreciate your interest in our work and our community and we look forward to working with you.
Who Is LEARN?

The Lonestar Education And Research Network (LEARN) is a consortium of 39 organizations throughout Texas that includes public and private institutions of higher education, community colleges, the National Weather Service, and K-12 public schools. The consortium, organized as a 501(c)(3), connects these organizations, and over 630 affiliated organizations, together with high performance optical network services to support their research, education, healthcare and public service missions. LEARN is also a part of a national community of research optical networks, and provides Texas connectivity to the national and international research and education networks.

How Was LEARN Created?

In 2003, a series of meetings were held to forge a shared vision concerning the value of creating a unifying high performance optical network for higher education in Texas. Despite the significant challenges that lay ahead, a consensus soon emerged among higher education leaders that it was strategically important to create an organization dedicated to high performance networking in Texas.

In the summer of 2003, the Texas Legislature endorsed the concept of providing the initial investment of $7.5 million dollars to construct the proposed optical network for Texas. The legislature also endorsed the concept of funding a $2.5 million proposal to develop a grid computing collaborative among the five universities in the Texas Internet Grid for Research and Education (TIGRE). While both projects were authorized by the Legislature, the grants were to be awarded under the auspices of the Texas Enterprises Fund (TEF), if authorized by the Governor, Lieutenant Governor and the Speaker of the House.

In the fall of 2003, it was decided to use the Texas GigaPoP as the 501(c)(3) structure for the new statewide organization that later became LEARN. In January 2004, the officers of the new organization were installed at a Board meeting on the Southern Methodist University campus in Dallas. The new organization was officially named “LEARN: Lonestar Education And Research Network”. Therefore, at that meeting, LEARN was created with a 30 member Board of Directors.

LEARN’s Vision

To be the premier organization providing advanced network services for research, education, healthcare and economic development throughout Texas. LEARN will be a national model for organizations that serve institutions of higher education. We will provide leadership in creating global networking initiatives.
During 2004, LEARN worked with the offices of the Governor, Lieutenant Governor, Speaker of the House and the Department of Information Resources (DIR) as they studied the merit of authorizing a TEF grant for the optical network project. In the fall of 2004, the elected leadership offices announced that the State of Texas would support funding a TEF grant. The TEF grant provided the initial capital funds to acquire dark fiber and equipment or leased wavelengths for a “triangle” backbone connecting, Dallas, College Station, Houston, San Antonio and Austin with additional connections to El Paso, Lubbock, Denton, Tyler/Longview, Beaumont, Galveston and Corpus Christi.

On February 28, 2005, the Governor signed the TEF grant agreement to provide $7.28 million in funding for the optical network project. LEARN now had the organizational, political and financial means to begin deploying the optical network for Texas.

**Organization & Governance**

LEARN’s Board of Directors governs the overall affairs of the corporation. Committees of the Board have been formed to oversee specific areas of LEARN. The standing committees of the Board include: Finance, Governance and Participation, and Operations and Services. Additionally, an Audit Committee consisting of three elected Board members and an independent advisor monitors the activities of the annual independent audit. The Board also creates ad hoc committees of the Board, as necessary.

Within the authority delegated by the Board, the Executive Committee develops the Board agendas and governs the affairs of LEARN, between meetings of the Board. The Executive Committee is comprised of the elected officers of the corporation and the Chairs of the three standing committees. The elected officers of LEARN include: the President, Chair, Chair Elect, Past Chair, Treasurer and Secretary. Other than the President, the officers are elected from the members of the Board of Directors.

The day-to-day business of LEARN is managed by the President of the corporation, who is elected by the Board and serves at their pleasure. The President employees and supervises a professional technical and administrative staff to conduct and manage operations.

The Technical Advisory Group (TAG) is comprised of representatives, with extensive technical expertise, from our member institutions. TAG members are appointed by the LEARN Board member from the institution they represent. The TAG Chair is elected by the TAG members. TAG is an advisory body to the Board, President and LEARN’s Chief Technologist. TAG serves an important role in helping shape LEARN’s infrastructure, operations and portfolio of services.
Network Infrastructure

In collaboration with the public and private sector, LEARN’s network spans over 3,200 miles across Texas. LEARN is built on dense wavelength division multiplexing (DWDM) optical technology. This technology provides the capability to transport multiple high capacity signals over a shared optical fiber by using the different color wavelengths of laser light. DWDM is state-of-the-art technology that is very scalable and permits LEARN to leverage the initial investment by adding additional capacity at marginal costs.

LEARN is built on agreements with the private sector that provide the long term use of optical dark fibers and/or long term leases of optical wavelength capacity. When dark fiber is conveyed via an indefeasible right to use (IRU) agreement, LEARN provides the infrastructure to “light” the fiber and can add additional capacity, as needed. In wavelength capacity agreements, the service provider provides the infrastructure and bandwidth under the terms and conditions of the agreement.

Membership & Network Services

Each of the member institutions of LEARN pays $20,000 per year in dues, which funds the general administration of LEARN. Members are entitled to appoint an individual to the Board of Directors and to acquire network services from LEARN at member rates. Network services are enabled based on the needs of individual members and collaborations among our members. Unlike the membership dues, network services are funded by the members who consume the services. Network service rates are set at levels to enable and sustain current and future network requirements. Network services include:

- Layer 1 Transport Services Between LEARN Points-of-Presence (POP),
- Switched Layer 2 MPLS Services,
- Routed Layer 3 Services,
- Connection Gateways to the Internet2 National Research and Education Network,
- Colocation Services at LEARN Facilities,
- Commodity Internet Services, and
- Peering and Caching Services.

LEARN has received a Service Provider Identification Number (SPIN) with the Universal Service Administration Company. Acquiring a SPIN number permits our school, library, and rural health customers to receive significant discounts through the Universal Services Fund.

The Board and the staff are committed to ensuring LEARN remains a customer focused organization. Enhancing our portfolio of services is a cornerstone of the strategic priorities, which are guiding our current initiatives. There is a broad consensus among our members that continuing to expand the scope of services, which are available from LEARN, creates operational efficiencies, provides additional options for customers, supports collaboration, and enhances the overall value of LEARN.
During the past year, LEARN has continued to build partnerships to enhance the strategic value of LEARN to Texas. LEARN is a very diverse and talented consortium with a history of success, but a focus on the future. Highlights from the past year include:

**MD Anderson Leads the Way in the Fight Against Cancer**

If the current trend is not reversed, by 2030 the number of people who die each year from cancer is expected to rise by over 50 percent to 13 million people worldwide. MD Anderson Cancer Center (MD Anderson), the preeminent cancer center in the world, believes that with new knowledge and powerful new technologies, now is the time to reduce the current trend and even to reduce the number of deaths caused by cancer. Building on over 70 years of renowned expertise and lifesaving research and innovation, MD Anderson has launched the ambitious Moon Shots Program to achieve that goal.

Inspired by America’s drive a generation ago to put a man on the moon, the Moon Shots Program aims, over a 10 year period, to make a “giant leap” for cancer patients by rapidly and dramatically reducing mortality and suffering in several major cancers. Moon Shots’ primary focus is on breast, ovarian, leukemia, lung, melanoma, and prostate cancers. While these are some of the most deadly cancers, progress in transformational research and treatment in these cancers will be of benefit to patients with other types of cancer.

Using LEARN and other advanced networks, MD Anderson has collaborated with colleagues from around the world to build the largest global cancer network. In an integrated and innovative way, the network brings together the expertise of leading technology companies, pharmaceutical companies, academia, researchers and clinicians to unite together to enable more effective individualized patient treatment protocols. Using cutting edge big data analytic tools like artificial intelligence, the network draws on the collective global knowledge of cancer experts, in a multi-disciplinary approach, to share advances in research and treatment to help patients everywhere.

One of the biggest challenges to be overcome is that during various stages of treatment, many cancers become resistant to treatment therapy. They mutate to become resistant via biological evasion mechanisms or because, a small subset of resistant cells has become the dominant population in the cancer. Additionally, not all patients with the same type of cancer respond to treatment in the same way. Using genomic and proteomic analysis to study immune function, on a patient by patient basis, Moon Shots seeks to tailor the right treatment for the right patient at the right time. This individualized approach is more effective and it reduces the damaging side effects of unbeneficial treatment and the number of patients that develop second cancers.

Moon Shots is attacking cancer on many fronts from awareness, prevention, diagnosis, treatment, research and mobilizing many types of communities and constituencies to form a collaborative and effective environment. In only its third year, Moon Shots is already making significant advances including:
A new protocol, to determine which patients should proceed to surgery immediately and which need chemotherapy before surgery, has increased the rate of complete tumor removal.

Genetic screening is being used to determine if patients and their families have inherited mutations that elevate their risk of breast and ovarian cancer.

Patients are participating in new clinical trials using new drugs that inhibit cancer mutation.

Extending the reach of an online anti-tobacco program and developing a mentor program with a focus on teenagers.

Accelerating the transition from chemotherapy to new targeted therapies and immunotherapy approaches.

Initiating the first human trials using state of the art engineered immune cells to find and destroy leukemia cells.

Leading an effort to establish a new state law banning the use of tanning beds for people under 18 to reduce the risk of melanoma caused by UV rays.

The Agency for Healthcare Research and Quality estimates the direct medical cost of cancer in the United States to be over $88 billion per year. However, the real cost of cancer is the toll it takes on human lives and the devastating impact it has on our families. The American Cancer Society estimates there will be over 1.6 million new cases of cancer diagnosed in the United States in 2015. With the leadership and determination of MD Anderson and their partners, there is a renewed hope and an expectation that we can eradicate cancer.

**Partnerships Enable New On Ramps & Services in the Metroplex**

LEARN partnered with member institutions Southern Methodist University, the University of North Texas, Texas Woman’s University, the University of Texas at Dallas, the private sector and Denton Independent School District to design, finance and deploy new on ramps (nodes) to the network and new services in one of the fastest growing areas of Texas. These partnerships enabled LEARN and its partners to leverage existing investment, pool resources to fund a large complex project, achieve cost savings from economies of scale and ensure that organizations in the region will have long term access to infrastructure and services that will efficiently and cost effectively scale as their requirements grow in the future.

Collaboration and partnerships are critical to LEARN’s success.
The project created a path protection network ring from Dallas to Denton, deployed five new nodes where customers can gain access to network enabled services, deployed new services in the region and retired infrastructure nearing the end of its useful life. This complex project included gaining access, for twenty years, and interconnecting fibers from two private sector providers and the Denton Independent School District. This new network path interconnects with other fiber that LEARN has to create an optical network ring that will protect critical services, if there is a fiber cut or an outage in a piece of network equipment. Additionally, the new network access nodes are located on the campuses of participating partners, which will save these partners, LEARN and other customers a significant amount of money and make LEARN services even more cost effective.

Meeting the needs of our ever growing community, both now and in the future, by enabling connectivity that is a catalyst to collaboration and innovation and providing valuable network services has always been the primary goal of LEARN. This project is another example of LEARN's philosophy of creating partnerships with the private and public sectors that leverage existing investment instead of duplicating investment to create a network of networks to achieve our primary goal.

**Texas Tech’s Worldwide eLearning Degrees**

As a result of the partnership between LEARN and Texas Tech University (TTU), students in today’s mobile society do not have to live in Lubbock to pursue their education goals. With over 50 degrees, certifications, and certification preparation programs available entirely online, students can prepare for a variety of careers without leaving their home community. The degrees offered online are the same high quality programs as those earned on TTU’s main campus in Lubbock.

TTU’s eLearning programs were recently ranked number 6 in the United States by the Affordable Colleges Foundation for their quality and affordability. The ranking includes institutions that offer a wide variety of online degrees that have demonstrated a history of academic excellence. To qualify for the ranking, an institution must charge less than $500 per credit hour and maintain a six year graduation rate of more than 50 percent. TTU’s eLearning programs cost $198 per credit hour with a six year graduation rate of 59 percent.

TTU has three online computer science master’s degrees that were recently ranked number 5 nationally for their affordability, job placement, the percentage of students receiving financial aid, quality of education and student graduation rates. The three computer science degree programs include Master of Science in Software Engineering, Master of Arts in Technical Communication, and Master of Science in Systems and Engineering Management. During the ranking process, higher education experts analyzed data from colleges and universities that offer high quality education at an affordable price and provide the type of student services that are needed to support graduate education in an online environment. The schools that were ranked provide flexible access to learning and academic rigor in one of the fastest growing careers paths.

*Distance education programs help students meet their educational goals.*
TTU’s rankings were a result of a strong focus in research, curriculum and teaching skills. The foundation of their curriculum and teaching skills is a result of instructional software design training and support, computer programming training and assistance for educators, and applying best practices in curriculum psychology and learning. With LEARN’s support, TTU is among the leaders in the United States in providing access to high quality and affordable online degree programs.

**Meeting the Needs of the Students in K-12 Classrooms**

K-12 students in Texas are becoming more engaged in rigorous content in their classrooms through the use of multiple devices connected to the Internet. The need to support broadband connectivity for students is being met through a strategically important partnership between LEARN and the Texas Education Telecommunications Network (TETN). TETN is a consortium of 21 entities; the Texas Education Agency, and all 20 Texas Education Services Centers. The partnership with LEARN helps TETN provide an integrated statewide network for K-12 to improve student performance and to increase the efficiency of K-12 education in Texas.

Throughout the state, students and teachers are accessing the Internet from school or their own Internet connected devices for curriculum and assessments. Textbooks being adopted by districts, in some instances, have only online access and support materials, as well as, supplemental tools to enhance the curriculum. Each student can access their textbook and these resources throughout the school day and from home via the Internet. Assessment and testing tools, available through apps, enable teachers to create quick in-class assessments, as well as, full length tests. Quick in-class assessments provide real-time data that is needed by teachers to enhance learning for their students.

Students are engaging in video production and presentation development on apps available to them through the Internet. The use of these types of products are more appealing than the software used in the past. Presentations are created and delivered through an Internet connection.

Videoconferencing through cloud based apps creates new opportunities for students to communicate and interact from anywhere in the world. Because students have grown up with this type of access and collaboration tools, it is becoming more of an expectation for them to connect via videoconferencing to museums, universities and content experts to fulfill their education and research needs.

The demand for more bandwidth will continue to grow as student’s expectations and needs require more content and access to the world. Thanks to the partnership between LEARN and TETN, the needs of Texas public school children will be met.
Gulf of Mexico Research Initiative’s Data Housed in Corpus Christi

The Gulf of Mexico Research Initiative (GoMRI) is a 10 year cooperative research project that was established in 2010 through a $500 million commitment from BP following the Deepwater Horizon oil spill. GoMRI includes 250 institutions and over 2,750 researchers who are studying the Gulf of Mexico (Gulf) ecosystem and the impact that oil spills have on the Gulf. Understanding the need to share the large data sets that would be generated among the researchers and the public, GoMRI agreed to house the data at the Harte Research Institute for Gulf of Mexico Studies at Texas A&M University – Corpus Christi (TAMUCC).

The management and accessibility of the data that is being generated is governed by the Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC) that includes a team of researchers, data specialists and computer system developers who are supporting the development of a data management system to store scientific data generated by Gulf researchers. To date, more than 18 terabytes of research data has been generated and it is housed at TAMUCC. Gulf researchers are sharing and accessing the data and their expertise using LEARN and other advanced networks. This central data repository is a catalyst for other new research and it will be extremely valuable in shortening the discovery process when oil spills happen in the future, because the database will contain critical baseline data on the area of impact. The work is supported by a technical team that includes software engineers, data analysts, web developers, and subject matter experts from TAMUCC and the Florida Fish and Wildlife Research Institute.

The GRIIDC data management system assists researchers with multiple phases of data management and provides researchers with a variety of tools to manage data throughout the lifecycle of a project. For example, the GRIIDC Dataset Information Form (DIF) is a resource designed to assist researchers with data management planning. Researchers from diverse fields of study including biology, chemistry, physical oceanography, sociology, political science and public health are able to store their data using LEARN and other networks in the GRIIDC system. Through the GRIIDC Data Discovery portal researchers, policy makers, and the general public are able to search for and download this data. This shared data is used to address innovative scientific research questions, assess policies and programs, and in supporting educational initiatives. By providing a forum for both storing and sharing data, the GRIIDC system increases the impact of scientific research in the Gulf of Mexico and beyond for the benefit of society.

UT Arlington Students Win International Challenges

Two teams of engineering students from the University of Texas at Arlington (UT Arlington) won first place in team challenges at the 2014 Institute of Electrical and Electronics Engineers (IEEE) International Conference
on Robotics and Automation (ICRA) in Hong Kong. The IRCA, the premier academic robotics conference in the world, was attended by over 2,000 people from around the globe. Using LEARN and other advanced networks, the students remotely used a robot in Portugal to compete in the challenges. Reflecting the importance and the need for a global ecosystem of advanced networks, students from around the world competed in these competitions.

Team Orion, which won the Humanitarian Robotics and Automation Technology Challenge included two master’s candidate students in electrical engineering and a doctoral candidate student in electrical engineering. Initially, the team located virtual land mines in a simulation environment. Then, the students using mine detection computer code they developed, instructed the remote robot to find the mines. Team Orion accurately located more mines than any other team in the challenge. Given the conflicts that exist around the world, the use of robotics to detect land mines will save lives by keeping people out of harm’s way.

The UT Arlington Microrobotics Team, which was comprised of mostly undergraduates, competed against teams comprised mostly of professional engineers, academic researchers, and post-doctoral fellows to win the Microrobotics Challenge. The Microrobotics Team was challenged to move triangles, representing kidney stones, from one part of an extremely small sized field to another part of the field. Teams were judged on their ability to move and assemble these triangles into a precise pattern in a challengingly small environment. This demonstrates the future that microrobotics will play in solving challenging problems in medical and other environments.

These student teams reflect the leadership role that UT Arlington is playing in transformational research in robotics, particle physics, and other research fields. In 2013, the Chronicle of Higher Education ranked UT Arlington as the 7th fastest growing public research university in the United States. Additionally, the U.S. News and World Report ranks UT Arlington fifth in the nation for undergraduate diversity.

The UT Arlington Microrobotics Team, which was comprised of mostly undergraduates, competed against teams comprised mostly of professional engineers, academic researchers, and post-doctoral fellows to win the Microrobotics Challenge. The Microrobotics Team was challenged to move triangles, representing kidney stones, from one part of an extremely small sized field to another part of the field. Teams were judged on their ability to move and assemble these triangles into a precise pattern in a challengingly small environment. This demonstrates the future that microrobotics will play in solving challenging problems in medical and other environments.

These student teams reflect the leadership role that UT Arlington is playing in transformational research in robotics, particle physics, and other research fields. In 2013, the Chronicle of Higher Education ranked UT Arlington as the 7th fastest growing public research university in the United States. Additionally, the U.S. News and World Report ranks UT Arlington fifth in the nation for undergraduate diversity.

The Role of Technology at Baylor’s McLane Stadium

Collegiate sports is strategically important to the mission of higher education institutions in Texas and throughout the United States. Game day is an essential part of the college experience for students and it provides alumni with a lifetime bond to one another and to their alma mater. The visibility of college sports on various media platforms is an important element of the overall branding strategy for universities as they look to attract students, faculty and staff to their campus.
On August 31, 2014, Baylor University (Baylor) opened McLane Stadium, one of the most technologically advanced stadiums in the country. A robust network infrastructure, which is supported as a part of a partnership between LEARN and Baylor, is essential in providing one of the best fan experiences in college football. McLane Stadium contains more than 400 miles of fiber pulled through 20 network closets to support over 425 cellular antennas and 340 Wi-Fi access points. During its inaugural season, fans and visitors to McLane Stadium used an average of over 2 terabytes of data per game sending photos, videos, tweets, emails, Facebook posts, and Snapchats while engaging with family and friends online. The network performed beautifully throughout the season keeping people connected and assuring access to emergency assistance, if needed, as fans enjoyed the game.

Baylor enriched the fan experience at McLane by developing a Baylor InGame app, which was downloaded by over 28,000 fans. Using the Baylor InGame app, fans can find parking before the game and access an interactive stadium map to help locate food, merchandise or restroom facilities. During the game, the Baylor In-Game app uses robust Wi-Fi connectivity at McLane to provide live and replay video clips of the game from several different camera angles, enabling users to become the producers of their own game experience. In addition to this exclusive in-game feature, the app also empowers fans to engage with one another on social media, provides content from the game to share, provides up to date game statistics and connects users with news from other sports venues. The Baylor InGame app enriched the game day experience for Baylor fans throughout the season, blending the experience of the live event with amenities people are used to when they watch live sporting events at home.

ESPN's College Game Day broadcasted from McLane Stadium at Baylor for the final game of the season. Through this exposure Baylor demonstrated that McLane Stadium was, in fact, something unique and special in collegiate athletics. This coverage highlighted the thoughtful and intentional way that network technologies were implemented in this facility to create a new level of game day experience that will certainly be mirrored by other colleges and universities in the future.

In its inaugural season, McLane Stadium provided one of the premiere college game day experiences in the nation. Building on its expansive technology infrastructure powered by the LEARN network and other partners, Baylor provided its fans and visitors an immersive experience by keeping people connected and providing them a way to engage in the game as never before.
**Revolutionizing Our View & Understanding of the Universe**

The University of Texas at Austin and Texas A&M University are a part of a distinguished international consortium of leading universities and science institutions building the Giant Magellan Telescope (GMT). GMT, a giant earth based telescope, promises to revolutionize our view and understanding of the universe. Scheduled to begin operation in 2021, the GMT will use a unique design that uses seven large monolith mirrors configured in a circle to form a single 80 foot optical surface. The GMT will also have adaptive optics using hundreds of actuators controlled by advanced computers that will adjust the mirrors to compensate for atmospheric turbulence. The actuators will transform the “twinkling” of stars caused by atmospheric turbulence into a clear steady point of light.

The GMT is being built at the Las Campanas Observatory in the Atacama Desert in Chile. In desert conditions, at approximately 8,500 feet of altitude, the GMT will be located in a region of dark clear skies that is unsurpassed by any site on earth. The GMT will have spectacular viewing conditions for over 300 days a year. These factors and the lack of vegetation and moisture in the region provide an ideal location for GMT. The innovative design of the GMT and the location of the telescope will provide scientists and researchers with more resolving power and images that are 10 times sharper than the space based Hubble telescope.

As recently as 100 years ago, scientists thought the Milky Way galaxy was the entire universe. However, in the 1920s using a 100 inch telescope, Edwin Hubble discovered there were other galaxies. That was followed by the discovery that the universe was not static, it was in fact expanding and changing over time. In much the same way as Hubble’s 100 inch telescope, the GMT promises to transform our understanding of the universe and it will answer questions we cannot even imagine. For the GMT to fulfill its promise, this global scale “big data” project will rely heavily on advanced networks like LEARN to transport the massive data sets from the desert in Chile to scientists working collaboratively around the world.

We have made tremendous progress in our understanding of the universe since Galileo first pointed his telescope at the heavens 400 years ago. GMT will write the next chapter in our journey to understand the universe we live in. With our participation in the GMT project, Texas scientists will play a leadership role in unlocking the answers to profound questions that humanity has been asking for thousands of years.
LEARN has deployed and operates a sophisticated state-of-the-art fiber-based optical network throughout Texas. The infrastructure is “carrier grade” optical technology that is highly reliable and capable of provisioning high-speed bandwidth between Texas cities. While capacity is important, the reliability of the network is just as important. In today’s complex and interconnected world, an “always on” reliable network is the foundation of our members’ needs and their expectations. A network outage can cause significant disruptions for our members.

The LEARN Network Operations Center (NOC) is staffed by professional network engineers, 24 hours a day, 7 days a week, and 365 days a year. The NOC serves as the central point for monitoring and managing the overall health and performance of the network. LEARN engineers have the network management tools and the training they need to manage the configuration of the network, monitor the performance of the network segments and their components, diagnose and isolate the cause of performance issues, and manage incidents until they are resolved. LEARN staff works closely with our members to align our network management practices and performance with their needs.

The vast majority of LEARN’s network topology is designed to provide optical rings, which serve as a protected path for our customers in the event of a failure in the network infrastructure. This design redundancy is a key element of the network’s performance. Despite the network design, the reliability of deployed infrastructure, operational discipline, and the expertise of our network engineers, occasionally components of the network fail. In order to reduce the time required to replace these components, LEARN has acquired and strategically deployed critical infrastructure spares throughout the network. Additionally, LEARN maintains maintenance and support agreements for its critical infrastructure.

During the past year, LEARN’s network continued to provide reliable service for our customers. Our WaveNet or Layer 1 services and Layer 3 services, on our backbone, were available without disruption. Our FrameNet Layer 2 services, on our backbone, were available 99.998% of the time. While these performance levels are very favorable compared with other telecommunications companies, LEARN is always exploring strategies to improve the availability of the network and customer satisfaction.

During 2014, engineers deployed 100 Gigabits per second ports on backbone routers and connected LEARN to the Internet2 network at 100 Gigabits per second in Houston and Dallas. During the year, as a part of LEARN’s strategy to continue to improve the availability of the network, additional monitoring and reporting tools were deployed. Engineers also deployed additional performance measurement and network management tools, as a part of our ongoing strategy. Additionally, enhancements were made to our comprehensive database that provides a centralized source for asset, network configuration, circuits and other strategically important data that is an essential component of LEARN’s overall strategy to continuously improve the operational performance and efficiency of our growing network.
Appendices
I. LEARN Board of Directors

Douglas (Doug) Fox, Associate Vice President, Information Technology & CIO
Angelo State University

Jeffrey (Jeff) Early, Director of Communication Technologies
Baylor College of Medicine

Pattie Orr, Vice President, Information Technology & Dean of University Libraries
Baylor University

Priscilla A. Parsons, Vice President, Information Technology & CIO
Lamar University

Mickey Slimp, Executive Director
Northeast Texas Consortium of Colleges & Universities (NETnet)

Rodney V. Moore, Chief Information Officer
Prairie View A&M University

Kamran M. Khan, Vice Provost, Information Technology
Rice University

Mark C. Adams, Vice President, Information Technology
Sam Houston State University

Joseph (Joe) Gargiulo, Chief Information Officer
Southern Methodist University

Paul T. Davis, Director, Information Technology Services & CIO
Stephen F. Austin State University

Rudy Supak, Chief Network Engineer
Texas A&M Health Science Center

Scott Honea, Associate Vice President, Information Technology & CIO
Texas A&M University

Terry Tatum, Associate Vice President, Information Technology & CIO
Texas A&M University - Corpus Christi
Rodney (Rod) L. Zent, Executive Director, Educational Broadcast Services TTVN
Texas A&M University System

Larry D. Mendez, Chief Information Officer
Texas Association of Community Colleges

Bryan Lucas, Assistant Provost, Information Technology & CTO
Texas Christian University

C. Van Wyatt, Vice President, Information Technology
Texas State University - San Marcos

Sam Segran, Chief Information Officer
Texas Tech University

Benny (Chip) Charles Shaw, Jr., Vice President, Information Technology & CIO
Texas Tech University Health Sciences Center

Gerardo (Jerry) Rodriguez, Assistant Vice President, Information Technology & Interim CIO
Texas Tech University Health Sciences Center at El Paso

Kay Rhodes, Associate Vice Chancellor & CIO
Texas Tech University System

Robert Placido, Associate Provost, Technology & CIO
Texas Woman’s University

Dennis Fouty, Associate Vice President, Information Technology & CIO
University of Houston System

Michael Di Paolo, Associate Vice Chancellor & CIO
University of North Texas System

Jeffrey Graham, Vice President, Information Technology & CIO
University of Texas - Pan American

Jim Bradley, Vice President, Information Technology & CIO
University of Texas at Arlington
William Green, Director of Networking & Telecommunications, Information Technology Services
University of Texas at Austin

Andrew (Andy) J. Blanchard, Vice Provost & Vice President, Information Resources & CIO
University of Texas at Dallas

Stephen Riter, Vice President, Information Resources & Planning
University of Texas at El Paso

Kenneth (Ken) Pierce, Vice Provost, Information Technology
University of Texas at San Antonio

Derek Drawhorn, Executive Director, Communications Technology
University of Texas Health Science Center at Houston

Yeman Collier, Vice President, Information Management & Services & CIO
University of Texas Health Science Center at San Antonio

John D. Yoder, Jr., Associate Vice President, Information Technology & CIO
University of Texas Health Science Center at Tyler

Keith Perry, Associate Vice President & Deputy CIO
University of Texas MD Anderson Cancer Center

Todd A. Leach, Vice President, Information Services & CIO
University of Texas Medical Branch at Galveston

Kirk Kirksey, Vice President, Information Resources
University of Texas Southwestern Medical Center at Dallas

Marc Milstein, Associate Vice Chancellor & CIO
University of Texas System
LONESTAR EDUCATION AND RESEARCH NETWORK

Financial Statements

Year Ended

December 31, 2014
INDEPENDENT ACCOUNTANT’S COMPILATION REPORT

To the Board of Directors
Lonestar Education and Research Network
Lubbock, TX

I have compiled the accompanying Statement of Financial Position of Lonestar Education and Research Network (a nonprofit organization) as of December 31, 2014 and the related Statement of Activities for the year then ended. I have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in the United States of America.

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

My responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

Management has elected to omit substantially all of the disclosures and statement of cash flow required by accounting principles generally accepted in the United States of America. If the omitted disclosures and statement of cash flow were included in the financial statements, they might influence the user’s conclusion about the Organization’s financial position, changes in assets, results of operations, and cash flow. Accordingly, these financial statements are not designed for those who are not informed about such matters.

January 29, 2015

Certified Public Accountant
LONESTAR EDUCATION AND RESEARCH NETWORK  
STATEMENT OF FINANCIAL POSITION  
DECEMBER 31, 2014  

ASSETS  

<table>
<thead>
<tr>
<th></th>
<th>Current Operating Funds</th>
<th>Network Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CURRENT ASSETS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and cash equivalents</td>
<td>$923,094</td>
<td>$11,273,930</td>
<td>$12,197,024</td>
</tr>
<tr>
<td>Accounts receivable:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network services</td>
<td>43,535</td>
<td>43,535</td>
<td></td>
</tr>
<tr>
<td>Earned credit card rewards</td>
<td>293</td>
<td>-</td>
<td>293</td>
</tr>
<tr>
<td>Funds held by others</td>
<td>1,900</td>
<td>-</td>
<td>1,900</td>
</tr>
<tr>
<td><strong>Total Current Assets</strong></td>
<td>$925,287</td>
<td>$11,317,465</td>
<td>$12,242,752</td>
</tr>
</tbody>
</table>

| **PROPERTY AND EQUIPMENT** |                     |              |            |
| Network equipment         | -                     | 7,900,696    | 7,900,696  |
| Furniture and equipment   | 69,422                | -            | 69,422    |
| **Total Property and Equipment - net** | 69,422 | 7,900,696 | 7,970,118 |

| **OTHER ASSETS**          |                     |              |            |
| Network and IRU access rights | -                    | 9,076,747    | 9,076,747  |
| **Total Other Assets**    | -                     | (4,128,045)  | (4,128,045)|
| **TOTAL ASSETS**          | $938,316              | $18,336,540  | $19,274,856|

LIABILITIES AND NET ASSETS  

<table>
<thead>
<tr>
<th></th>
<th>Current Operating Funds</th>
<th>Network Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CURRENT LIABILITIES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred revenue</td>
<td>-</td>
<td>$210,902</td>
<td>$210,902</td>
</tr>
<tr>
<td>Accounts payable</td>
<td>74,518</td>
<td>72,891</td>
<td>147,409</td>
</tr>
<tr>
<td>Credit cards payable</td>
<td>26,654</td>
<td>5,228</td>
<td>31,882</td>
</tr>
<tr>
<td>Capital leases payable - current portion</td>
<td>-</td>
<td>38,400</td>
<td>38,400</td>
</tr>
<tr>
<td><strong>Total Current Liabilities</strong></td>
<td>101,172</td>
<td>327,421</td>
<td>428,593</td>
</tr>
</tbody>
</table>

| **LONG TERM LIABILITIES**|                      |              |            |
| Capital leases net of current portion | -     | 55,767 | 55,767 |
| **Total Liabilities**    | 101,172                | 383,188      | 484,360    |

| **NET ASSETS**           |                         |              |            |
| Unrestricted net assets  | 837,144                 | 9,984,791.00 | 10,821,935 |
| Unrestricted board designated net assets | -        | -            | -         |
| Life cycle replacement   | -                       | 7,876,242    | 7,876,242  |
| Member balances          | -                       | 92,319       | 92,319     |
| **Total Net Assets**     | 837,144                 | 17,953,352   | 18,790,496 |
| **TOTAL LIABILITIES AND NET ASSETS** | $938,316 | $18,336,540 | $19,274,856|

See accountant’s compilation report.
LONESTAR EDUCATION AND RESEARCH NETWORK
STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED DECEMBER 31, 2014

Current Operating Funds

<table>
<thead>
<tr>
<th></th>
<th>Program Fund</th>
<th>Network Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REVENUES AND OTHER SUPPORT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network services</td>
<td>$</td>
<td>- $</td>
<td>$6,652,452</td>
</tr>
<tr>
<td>Membership dues</td>
<td>780,000</td>
<td>-</td>
<td>780,000</td>
</tr>
<tr>
<td>Investment income</td>
<td>3,326</td>
<td>47,735</td>
<td>51,061</td>
</tr>
<tr>
<td>Other income</td>
<td>-</td>
<td>2,773</td>
<td>2,773</td>
</tr>
<tr>
<td><strong>NET ASSETS RELEASED FROM RESTRICTIONS:</strong></td>
<td>(12)</td>
<td>12</td>
<td>-</td>
</tr>
<tr>
<td>Fund transfers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL REVENUES AND OTHER SUPPORT</strong></td>
<td>783,314</td>
<td>6,702,972</td>
<td>7,486,286</td>
</tr>
<tr>
<td><strong>EXPENSES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PROGRAM SERVICES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connections and fibers</td>
<td>-</td>
<td>2,758,606</td>
<td>2,758,606</td>
</tr>
<tr>
<td>Network parts and supplies</td>
<td>-</td>
<td>58,780</td>
<td>58,780</td>
</tr>
<tr>
<td>Installation</td>
<td>-</td>
<td>70,706</td>
<td>70,706</td>
</tr>
<tr>
<td>Depreciation</td>
<td>-</td>
<td>703,710</td>
<td>703,710</td>
</tr>
<tr>
<td>Amortization</td>
<td>-</td>
<td>585,242</td>
<td>585,242</td>
</tr>
<tr>
<td><strong>Total Program Expenses</strong></td>
<td></td>
<td></td>
<td>4,177,044</td>
</tr>
<tr>
<td><strong>SUPPORTING SERVICES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional fees</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>376,134</td>
<td>536,186</td>
<td>912,320</td>
</tr>
<tr>
<td>Auditing</td>
<td>17,850</td>
<td>-</td>
<td>17,850</td>
</tr>
<tr>
<td>Consulting</td>
<td>10,250</td>
<td>-</td>
<td>10,250</td>
</tr>
<tr>
<td>Accounting</td>
<td>9,066</td>
<td>-</td>
<td>9,066</td>
</tr>
<tr>
<td>Legal</td>
<td>7,437</td>
<td>-</td>
<td>7,437</td>
</tr>
<tr>
<td>Salaries and wages</td>
<td>12,417</td>
<td>207,725</td>
<td>220,142</td>
</tr>
<tr>
<td>Travel</td>
<td>24,049</td>
<td>49,382</td>
<td>73,431</td>
</tr>
<tr>
<td>Insurance</td>
<td>44,756</td>
<td>-</td>
<td>44,756</td>
</tr>
<tr>
<td>Sponsored meetings</td>
<td>75,217</td>
<td>-</td>
<td>75,217</td>
</tr>
<tr>
<td>Membership dues</td>
<td>19,940</td>
<td>-</td>
<td>19,940</td>
</tr>
<tr>
<td>Office rent</td>
<td>23,325</td>
<td>-</td>
<td>23,325</td>
</tr>
<tr>
<td>Books, subscriptions and reference materials</td>
<td>1,055</td>
<td>14,092</td>
<td>15,147</td>
</tr>
<tr>
<td>Office expenses</td>
<td>12,016</td>
<td>2,413</td>
<td>14,429</td>
</tr>
<tr>
<td>Telephone</td>
<td>11,817</td>
<td>240</td>
<td>12,057</td>
</tr>
<tr>
<td>Payroll taxes</td>
<td>1,010</td>
<td>10,630</td>
<td>11,640</td>
</tr>
<tr>
<td>Office utilities and maintenance</td>
<td>6,103</td>
<td>-</td>
<td>6,103</td>
</tr>
<tr>
<td>Marketing, education and awards</td>
<td>8,067</td>
<td>-</td>
<td>8,067</td>
</tr>
<tr>
<td>Computer and software supplies</td>
<td>3,785</td>
<td>820</td>
<td>4,605</td>
</tr>
<tr>
<td>Federation support</td>
<td>8,347</td>
<td>-</td>
<td>8,347</td>
</tr>
<tr>
<td>Staff development</td>
<td>-</td>
<td>2,750</td>
<td>2,750</td>
</tr>
<tr>
<td>Depreciation</td>
<td>5,154</td>
<td>-</td>
<td>5,154</td>
</tr>
<tr>
<td><strong>Total Supporting Services</strong></td>
<td>677,795</td>
<td>824,238</td>
<td>1,502,033</td>
</tr>
<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td>677,795</td>
<td>5,001,282</td>
<td>5,679,077</td>
</tr>
<tr>
<td><strong>CHANGES IN NET ASSETS</strong></td>
<td>105,519</td>
<td>1,701,662</td>
<td>1,807,209</td>
</tr>
<tr>
<td>Beginning balance at January 1, 2014</td>
<td>731,625</td>
<td>16,251,662</td>
<td>16,983,287</td>
</tr>
<tr>
<td>Ending balance at December 31, 2014</td>
<td>837,144</td>
<td>17,953,352</td>
<td>18,790,496</td>
</tr>
</tbody>
</table>
III. Affiliate Organizations

Alvin Community College
Angelina College
Austin Community College
Blinn College
Brazosport College
Del Mar College
Galveston College
Houston Community College
Kilgore College
Lamar Institute of Technology
Lamar State College - Orange
Lamar State College - Port Arthur
Midland College
Navarro College
Northeast Texas Community College
Panola College
Paris Junior College
Texarkana College
Trinity Valley Community College
Tyler Junior College
Victoria College
Education Service Center - Region 2
Education Service Center - Region 3
Education Service Center - Region 4
Education Service Center - Region 5
Education Service Center - Region 6
Education Service Center - Region 7
Education Service Center - Region 8
Education Service Center - Region 9
Education Service Center - Region 11
Education Service Center - Region 13
Education Service Center - Region 14
Education Service Center - Region 15
Education Service Center - Region 16
Education Service Center - Region 17
Education Service Center - Region 18
Education Service Center - Region 19
Education Service Center - Region 20
Abernathy ISD
Adrian ISD
Albany ISD
Alice ISD
Alief ISD
Alpine ISD
Alto ISD
Amherst ISD
Anderson-Shiro CISD
Andrews ISD
Angleton ISD
Anson ISD
Anton ISD
Apple Springs ISD
Archer City ISD
Aspermont ISD
Atlanta ISD
Aubrey ISD
Austin ISD
Austwell-Tivoli ISD
Avery ISD
Avinger ISD
Azleway Charter School
Baird ISD
Balmorhea ISD
Bangs ISD
Banquete ISD
Bartlett ISD
Bastrop ISD
Beeville ISD
Bellevue ISD
Ben Bolt-Palito Blanco ISD
Benavides ISD
Benjamin ISD
Big Sandy ISD
Big Spring ISD
Birdville ISD
Blackwell CISD
Blanco ISD
Blanket ISD
Bloomburg ISD
Bluff Dale ISD
Bob Hope Charter School
Boling ISD
Booker ISD  Cherokee ISD  Chester ISD
Borden County ISD  Childress ISD  Chillicothe ISD
Borger ISD  Chisum ISD  Christoval ISD
Bovina ISD  Cisco ISD  City View ISD
Bowie ISD  Clarendon ISD  Clarksville ISD
Boys Ranch ISD  Breckenridge ISD  Claude ISD
Brackett ISD  Brenham ISD  Clint ISD
Brady ISD  Bridge City ISD  Clyde CISD
Brazos ISD  Broaddus ISD  Coahoma ISD
Brazos School for Inquiry & Creativity  Brazos ISD  Coldspring-Oakhurst CISD
Breckenridge ISD  Brazos School for Inquiry & Creativity  Coleman ISD
Brenham ISD  Brooks County ISD  Colmesneil ISD
Bridge City ISD  Brookshire ISD  Colorado ISD
Broaddus ISD  Brownfield ISD  Comanche ISD
Brock ISD  Brownwood ISD  Comfort ISD
Bronte ISD  Brownfield ISD  Community ISD
Brookeland ISD  Brownwood ISD  Como-Pickton CISD
Brooks County ISD  Brownwood ISD  Comstock ISD
Brooksmith ISD  Butterfield ISD  Cooper ISD
Brownfield ISD  Burkburnett ISD  Corpus Christi Montessori School
Brownwood ISD  Burnet CISD  Corrigan-Camden ISD
Bryson ISD  Burkburnett ISD  Cotton Center ISD
Buckholts ISD  Burkeville ISD  Coupland ISD
Buena Vista ISD  Burnet CISD  Crane ISD
Bullard ISD  Burnet CISD  Crockett County Consolidated CSD
Buna ISD  Burton ISD  Crockett ISD
Burkburnett ISD  Caldwell ISD  Crosbyton CISD
Burkeville ISD  Calvert ISD  Cross Plains ISD
Burnet CISD  Canadian ISD  Cross Roads ISD
Burton ISD  Caney ISD  Crowell ISD
Caldwell ISD  Caney ISD  Culberson County ISD
Calvert ISD  Caney ISD  Cumby ISD
Canadian ISD  Caney ISD  Daingerfield-Lone Star ISD
Canyon ISD  Caney ISD  Damon ISD
Carthage ISD  Caney ISD  Danbury ISD
Castleberry ISD  Caney ISD  Darrouzett ISD
Cayuga ISD  Caney ISD  Darrouzett ISD
Centerville ISD  Caney ISD  Daingerfield-Lone Star ISD
Channelview ISD  Caney ISD  Damon ISD
Channing ISD  Caney ISD  Danbury ISD
Chapel Hill ISD  Caney ISD  Darrouzett ISD
<table>
<thead>
<tr>
<th>Dawson ISD</th>
<th>Fort Elliott CISD</th>
</tr>
</thead>
<tbody>
<tr>
<td>De Leon ISD</td>
<td>Fort Sam Houston ISD</td>
</tr>
<tr>
<td>Dekalb ISD</td>
<td>Fort Stockton ISD</td>
</tr>
<tr>
<td>Del Valle ISD</td>
<td>Fort Worth ISD</td>
</tr>
<tr>
<td>Denton ISD</td>
<td>Frankston ISD</td>
</tr>
<tr>
<td>Detroit ISD</td>
<td>Fredericksburg ISD</td>
</tr>
<tr>
<td>Deweyville ISD</td>
<td>Freer ISD</td>
</tr>
<tr>
<td>D'Hanis ISD</td>
<td>Galena Park ISD</td>
</tr>
<tr>
<td>Dime Box ISD</td>
<td>Gause ISD</td>
</tr>
<tr>
<td>Dimmitt ISD</td>
<td>George West ISD</td>
</tr>
<tr>
<td>Doss Consolidated CSD</td>
<td>Glasscock County ISD</td>
</tr>
<tr>
<td>Douglass ISD</td>
<td>Glen Rose ISD</td>
</tr>
<tr>
<td>Dripping Springs ISD</td>
<td>Godley ISD</td>
</tr>
<tr>
<td>Duncanville ISD</td>
<td>Gold Burg ISD</td>
</tr>
<tr>
<td>Early ISD</td>
<td>Goliad ISD</td>
</tr>
<tr>
<td>East Central ISD</td>
<td>Gonzales ISD</td>
</tr>
<tr>
<td>East Chambers ISD</td>
<td>Goodrich ISD</td>
</tr>
<tr>
<td>East Fort Worth Montessori Academy</td>
<td>Gordon ISD</td>
</tr>
<tr>
<td>Eastland ISD</td>
<td>Gorman ISD</td>
</tr>
<tr>
<td>Ector County ISD</td>
<td>Grady ISD</td>
</tr>
<tr>
<td>Eden ISD</td>
<td>Graford ISD</td>
</tr>
<tr>
<td>Edna ISD</td>
<td>Grandfalls-Royalty ISD</td>
</tr>
<tr>
<td>Ehrhart School</td>
<td>Grandview-Hopkins ISD</td>
</tr>
<tr>
<td>Electra ISD</td>
<td>Granger ISD</td>
</tr>
<tr>
<td>Era ISD</td>
<td>Grape Creek ISD</td>
</tr>
<tr>
<td>Erath Excels Academy, Inc.</td>
<td>Grapeland ISD</td>
</tr>
<tr>
<td>Etoile ISD</td>
<td>Greenwood ISD</td>
</tr>
<tr>
<td>Eula ISD</td>
<td>Groom ISD</td>
</tr>
<tr>
<td>Evadale ISD</td>
<td>Groveton ISD</td>
</tr>
<tr>
<td>Excelsior ISD</td>
<td>Gruver ISD</td>
</tr>
<tr>
<td>Ezzell ISD</td>
<td>Gustine ISD</td>
</tr>
<tr>
<td>Fannindel ISD</td>
<td>Hale Center ISD</td>
</tr>
<tr>
<td>Fayetteville ISD</td>
<td>Hamlin ISD</td>
</tr>
<tr>
<td>Flatonia ISD</td>
<td>Hamshire-Fannett ISD</td>
</tr>
<tr>
<td>Florence ISD</td>
<td>Happy ISD</td>
</tr>
<tr>
<td>Floresville ISD</td>
<td>Hardin-Jefferson ISD</td>
</tr>
<tr>
<td>Floydada ISD</td>
<td>Harlingen CISD</td>
</tr>
<tr>
<td>Follett ISD</td>
<td>Harper ISD</td>
</tr>
<tr>
<td>Forestburg ISD</td>
<td>Harrold ISD</td>
</tr>
<tr>
<td>Forsan ISD</td>
<td>Hart ISD</td>
</tr>
<tr>
<td>Fort Davis ISD</td>
<td>Hartley ISD</td>
</tr>
</tbody>
</table>
Harts Bluff ISD
Haskell CISD
Hawley ISD
Hearne ISD
Hedley ISD
Hemphill ISD
Hempstead ISD
Henrietta ISD
Hermleigh ISD
Higgins ISD
High Island ISD
Highland ISD
Highland Park ISD
Holliday ISD
Hooks ISD
Hubbard ISD
Huckabay ISD
Huntsville ISD
Hutto ISD
Industrial ISD
Iola ISD
Iowa Park CISD
Ira ISD
Iraan-Sheffield ISD
Irion County ISD
Jacksboro ISD
Jarrell ISD
Jasper ISD
Jim Ned CISD
Johnson City ISD
Joshua ISD
Junction ISD
Karnes City ISD
Kelton ISD
Kenedy ISD
Kennard ISD
Kennedale ISD
Kermit ISD
Kingsville ISD
Kinkaid School
Kirbyville CISD
Klondike ISD
Knox City-O’Brien CISD
Kountze ISD
Kress ISD
La Gloria ISD
La Grange ISD
Lackland ISD
Lake Travis ISD
Lake Worth ISD
Lamar ISD
Laneville ISD
Lapoynor ISD
Latexo ISD
Leary ISD
Lefors ISD
Leggett ISD
Leon ISD
Leveretts Chapel ISD
Liberty Hill ISD
Liberty-Eylau ISD
Linden-Kildare CISD
Lindsay ISD
Lingleville ISD
Lipan ISD
Little Cypress-Mauriceville CISD
Littlefield ISD
Lockhart ISD
Lockney ISD
Lohn ISD
Loop ISD
Lorraine ISD
Lorenzo ISD
Lovelady ISD
Lueders-Avoca ISD
Luling ISD
Lumberton ISD
Lytle ISD
Madisonville CISD
Magnolia ISD
Malakoff ISD
Malta ISD
<table>
<thead>
<tr>
<th>Mansfield ISD</th>
<th>Navarro ISD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marathon ISD</td>
<td>Navasota ISD</td>
</tr>
<tr>
<td>Marble Falls ISD</td>
<td>Nazareth ISD</td>
</tr>
<tr>
<td>Marfa ISD</td>
<td>Neches ISD</td>
</tr>
<tr>
<td>Martins Mill ISD</td>
<td>Nederland ISD</td>
</tr>
<tr>
<td>Mason ISD</td>
<td>New Boston ISD</td>
</tr>
<tr>
<td>Matagorda ISD</td>
<td>New Braunfels ISD</td>
</tr>
<tr>
<td>Maud ISD</td>
<td>New Caney ISD</td>
</tr>
<tr>
<td>May ISD</td>
<td>New Deal ISD</td>
</tr>
<tr>
<td>McCamey ISD</td>
<td>New Home ISD</td>
</tr>
<tr>
<td>McDade ISD</td>
<td>Newcastle ISD</td>
</tr>
<tr>
<td>McLean ISD</td>
<td>Newton ISD</td>
</tr>
<tr>
<td>McLeod ISD</td>
<td>Nixon-Smiley CISD</td>
</tr>
<tr>
<td>McMullen County ISD</td>
<td>Nocona ISD</td>
</tr>
<tr>
<td>Meadow ISD</td>
<td>Normangee ISD</td>
</tr>
<tr>
<td>Medina Valley ISD</td>
<td>North Hopkins ISD</td>
</tr>
<tr>
<td>Memphis ISD</td>
<td>North Lamar ISD</td>
</tr>
<tr>
<td>Menard ISD</td>
<td>North Zulch ISD</td>
</tr>
<tr>
<td>Merkel ISD</td>
<td>Northside ISD</td>
</tr>
<tr>
<td>Meyersville ISD</td>
<td>Nueces Canyon ISD</td>
</tr>
<tr>
<td>Miami ISD</td>
<td>Nursery ISD</td>
</tr>
<tr>
<td>Midland Academy Charter</td>
<td>Oakwood ISD</td>
</tr>
<tr>
<td>Midland ISD</td>
<td>O’Donnell ISD</td>
</tr>
<tr>
<td>Midway ISD</td>
<td>Olfen ISD</td>
</tr>
<tr>
<td>Milano ISD</td>
<td>Olney ISD</td>
</tr>
<tr>
<td>Miles ISD</td>
<td>Onalaska ISD</td>
</tr>
<tr>
<td>Miller Grove ISD</td>
<td>Orange Grove ISD</td>
</tr>
<tr>
<td>Monahans-Wickett-Pyote ISD</td>
<td>Orangefield ISD</td>
</tr>
<tr>
<td>Monsignor Kelly Catholic High School</td>
<td>Overton ISD</td>
</tr>
<tr>
<td>Montague ISD</td>
<td>Paint Creek ISD</td>
</tr>
<tr>
<td>Moran ISD</td>
<td>Paint Rock ISD</td>
</tr>
<tr>
<td>Morgan Mill ISD</td>
<td>Palacios ISD</td>
</tr>
<tr>
<td>Morton ISD</td>
<td>Palo Pinto ISD</td>
</tr>
<tr>
<td>Moulton ISD</td>
<td>Pampa ISD</td>
</tr>
<tr>
<td>Mount Enterprise ISD</td>
<td>Panhandle ISD</td>
</tr>
<tr>
<td>Mount Vernon ISD</td>
<td>Panther Creek ISD</td>
</tr>
<tr>
<td>Muenster ISD</td>
<td>Paris ISD</td>
</tr>
<tr>
<td>Mumford ISD</td>
<td>Peaster ISD</td>
</tr>
<tr>
<td>Munday CISD</td>
<td>Pecos-Barstow ISD</td>
</tr>
<tr>
<td>Murchison ISD</td>
<td>Perrin-Whitt CISD</td>
</tr>
<tr>
<td>Natalia ISD</td>
<td>Perryton ISD</td>
</tr>
<tr>
<td>School District Name</td>
<td>School District Name</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Petersburg ISD</td>
<td>Roscoe ISD</td>
</tr>
<tr>
<td>Petrolia ISD</td>
<td>Rotan ISD</td>
</tr>
<tr>
<td>Pettus ISD</td>
<td>Round Top-Carmine ISD</td>
</tr>
<tr>
<td>Pewitt CISD</td>
<td>Roxton ISD</td>
</tr>
<tr>
<td>Pilot Point ISD</td>
<td>Rule ISD</td>
</tr>
<tr>
<td>Pittsburg ISD</td>
<td>Runge ISD</td>
</tr>
<tr>
<td>Plains ISD</td>
<td>Sabinal ISD</td>
</tr>
<tr>
<td>Pleasant Grove ISD</td>
<td>Sabine ISD</td>
</tr>
<tr>
<td>Plemons-Stinnett-Phillips CISD</td>
<td>Sabine Pass ISD</td>
</tr>
<tr>
<td>Ponder ISD</td>
<td>Saint Jo ISD</td>
</tr>
<tr>
<td>Poolville ISD</td>
<td>Saltillo ISD</td>
</tr>
<tr>
<td>Port Aransas ISD</td>
<td>San Angelo ISD</td>
</tr>
<tr>
<td>Port Arthur ISD</td>
<td>San Diego ISD</td>
</tr>
<tr>
<td>Port Neches-Groves ISD</td>
<td>San Felipe-Del Rio CISD</td>
</tr>
<tr>
<td>Post ISD</td>
<td>San Saba ISD</td>
</tr>
<tr>
<td>Prairie Lea ISD</td>
<td>San Vincent ISD</td>
</tr>
<tr>
<td>Prairie Valley ISD</td>
<td>Sands CISD</td>
</tr>
<tr>
<td>Prairiland ISD</td>
<td>Sanford-Fritch ISD</td>
</tr>
<tr>
<td>Presidio ISD</td>
<td>Santa Anna ISD</td>
</tr>
<tr>
<td>Pringle-Morse CISD</td>
<td>Santa Gertrudis ISD</td>
</tr>
<tr>
<td>Quanah ISD</td>
<td>Schertz-Cibolo-Universal City ISD</td>
</tr>
<tr>
<td>Queen City ISD</td>
<td>Schleicher ISD</td>
</tr>
<tr>
<td>Ralls ISD</td>
<td>Schulenburg ISD</td>
</tr>
<tr>
<td>Ranger ISD</td>
<td>Seagraves ISD</td>
</tr>
<tr>
<td>Rankin ISD</td>
<td>Sealy ISD</td>
</tr>
<tr>
<td>Raven School</td>
<td>Seashore Middle Academy</td>
</tr>
<tr>
<td>Reagan County ISD</td>
<td>Seymour ISD</td>
</tr>
<tr>
<td>Red Lick ISD</td>
<td>Shallowater ISD</td>
</tr>
<tr>
<td>Redwater ISD</td>
<td>Shamrock ISD</td>
</tr>
<tr>
<td>Refugio ISD</td>
<td>Shelbyville ISD</td>
</tr>
<tr>
<td>Richards ISD</td>
<td>Shepherd ISD</td>
</tr>
<tr>
<td>Richland Springs ISD</td>
<td>Shiner ISD</td>
</tr>
<tr>
<td>Rio Vista ISD</td>
<td>Sidney ISD</td>
</tr>
<tr>
<td>Rising Star ISD</td>
<td>Silsbee ISD</td>
</tr>
<tr>
<td>River Road ISD</td>
<td>Silverton ISD</td>
</tr>
<tr>
<td>Robert Lee ISD</td>
<td>Simms ISD</td>
</tr>
<tr>
<td>Roby CISD</td>
<td>Sivells Bend ISD</td>
</tr>
<tr>
<td>Rochelle ISD</td>
<td>Skidmore-Tynan ISD</td>
</tr>
<tr>
<td>Rocksprings ISD</td>
<td>Slaton ISD</td>
</tr>
<tr>
<td>Roosevelt ISD</td>
<td>Slidell ISD</td>
</tr>
<tr>
<td>Ropes ISD</td>
<td>Slidell ISD</td>
</tr>
<tr>
<td></td>
<td>Slocum ISD</td>
</tr>
</tbody>
</table>
Smyer ISD
Snyder ISD
Somerville ISD
Sonora ISD
Spearman ISD
Spring Creek ISD
Spring Hill ISD
Spurger ISD
St. Francis de Sales School
St. Vincent de Paul School
Stamford ISD
Stanton ISD
Sterling City ISD
Stockdale ISD
Strake Jesuit College Preparatory
Stratford ISD
Strawn ISD
Sulphur Bluff ISD
Sulphur Springs ISD
Sundown ISD
Sunray ISD
Sweeny ISD
Sweet Home ISD
Sweetwater ISD
Taft ISD
Tahoka ISD
Tarkington ISD
Tekoa Academy of Accelerated Studies
Tenaha ISD
Terlingua ISD
Terrell County ISD
Texas School for the Blind & Visually Impaired
Texhoma ISD
Texline ISD
Thorndale ISD
Thrall ISD
Three Rivers ISD
Three Way ISD
Throckmorton ISD
TLC Academy
Tolar ISD
Trent ISD
Trinidad ISD
Tulia ISD
Tuloso-Midway ISD
Valentine ISD
Vega ISD
Veribest ISD
Vernon ISD
Victoria ISD
Vidor ISD
Vysehrad ISD
Waelder ISD
Walcott ISD
Wall ISD
Walnut Bend ISD
Warren ISD
Water Valley ISD
Wellington ISD
Wellman-Union CISD
Wells ISD
West Hardin County CISD
West Orange-Cove CISD
West Oso ISD
West Rusk ISD
West Sabine ISD
Westbrook ISD
Westhoff ISD
Wharton ISD
Wheeler ISD
White Deer ISD
Whiteface CISD
Whitharral ISD
Wichita Falls ISD
Wildorado ISD
Wimberley ISD
Windthorst ISD
Winfield ISD
Wink-Loving ISD
Winters ISD
Woden ISD
Woodson ISD
Woodville ISD  Guadalupe Valley Hospital
Wylie ISD  Lower Colorado River Authority
Yoakum ISD  Medina Community Hospital
Yorktown ISD  Mesquite Public Library
Zavalla ISD  Mission Hospital
Zephyr ISD  Newton County Library
Southwestern Adventist University  Orange County
Sul Ross State University  Parkland Memorial Hospital
Sul Ross State University Rio Grande College  Project Unity
Tarleton State University  Southwest Education Development Lab
Texas A&M International University  Texas AgriLife Extension Service
Texas A&M University - Central Texas  Texas AgriLife Research
Texas A&M University - Commerce  Texas Engineering Experiment Station
Texas A&M University - Kingsville  Texas Engineering Extension Service
Texas A&M University - San Antonio  Texas Forest Service
Texas A&M University - Texarkana  Texas Transportation Institute
Texas A&M University at Galveston  Texas Veterinary Medical Diagnostic Lab
Texas Southern University  Travis County
University of Houston - Clear Lake  Uvalde Memorial Hospital
University of Houston - Downtown  Wharton County Library
University of Houston - Victoria
University of North Texas at Dallas
University of North Texas Health Science Center
University of Texas - Permian Basin
University of Texas at Brownsville
University of Texas at Tyler
University of the Incarnate Word of San Antonio
West Texas A&M University
Alamo Area Council Of Governments
Brazos Valley Affordable Housing
Brazos Valley Council of Governments (BVCOG)
Brazos Valley Council on Alcohol Substance Abuse
Brazos Valley Small Business Development Council
Bryan/College Station Chamber of Commerce
Citizen’s Medical Center - Victoria
City of Austin Information Services
Duncanville Public Library
Ector County Library
Fort Worth Public Library
Grimes County Clerk’s Office