



LEARN

LONESTAR EDUCATION AND RESEARCH NETWORK



2014

Annual Report

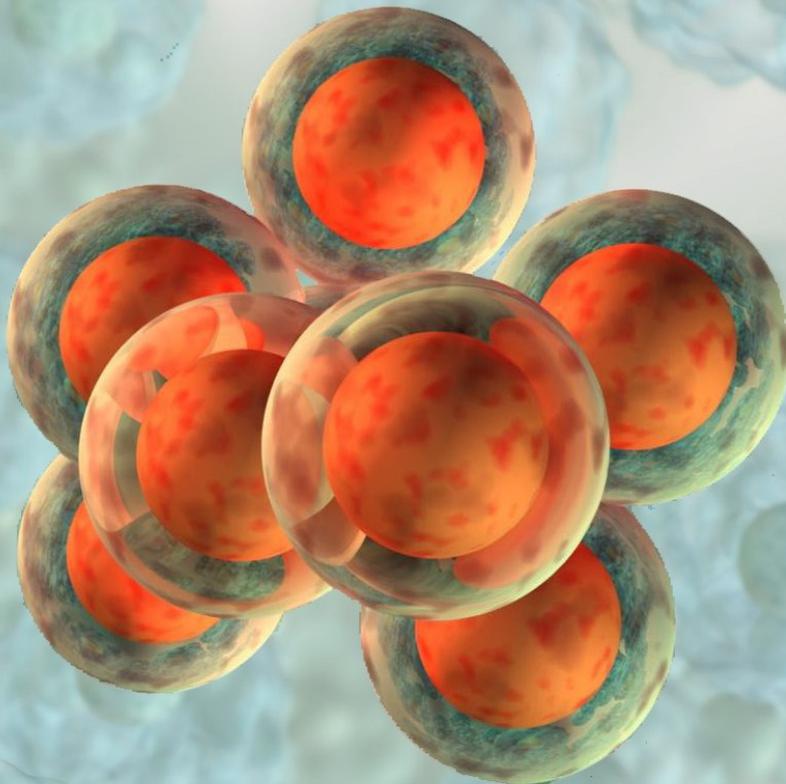




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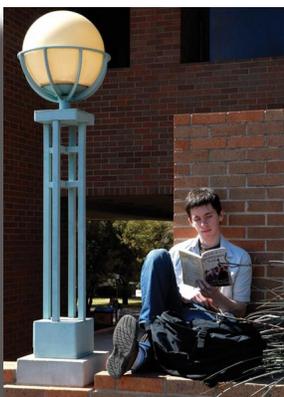
LEARN Member Organizations



Angelo State University
 Baylor College of Medicine
 Baylor University
 Lamar University
 National Weather Service
 Northeast Texas Consortium
 Prairie View A&M University
 Rice University
 Sam Houston State University
 Southern Methodist University
 Stephen F. Austin State University
 Texas A&M Health Science Center
 Texas A&M University
 Texas A&M University - Corpus Christi
 Texas A&M University System
 Texas Association of Community Colleges
 Texas Christian University
 Texas Education Telecommunications Network
 Texas State University - San Marcos



Texas Tech University
 Texas Tech University Health Sciences Center
 Texas Tech University Health Sciences Center at El Paso
 Texas Tech University System
 Texas Woman's University
 University of Houston System
 University of North Texas System
 University of Texas - Pan American
 University of Texas at Arlington
 University of Texas at Austin
 University of Texas at Dallas
 University of Texas at El Paso
 University of Texas at San Antonio
 University of Texas Health Science Center at Houston
 University of Texas Health Science Center at San Antonio
 University of Texas Health Science Center at Tyler
 University of Texas MD Anderson Cancer Center
 University of Texas Medical Branch at Galveston
 University of Texas Southwestern Medical Center
 University of Texas System





2014 Executive Committee



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*



Letter from the Chair



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.



Letter from the President



Mike Phillips

LEARN

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.



Overview & History



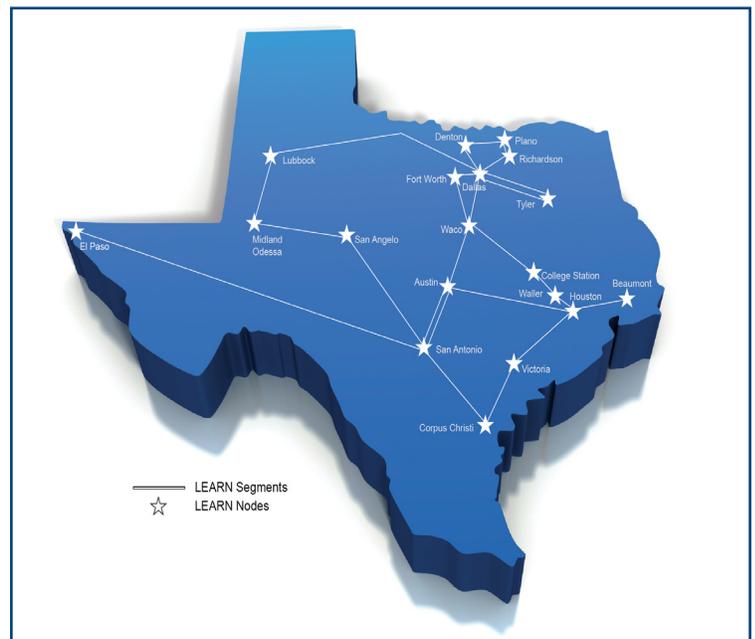
Who Is LEARN?

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.



LEARN's network topology.

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 employs 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.



*Akbar Kara
LEARN, Chief Technologist*



*Jesse Miller
Chair, Technical Advisory Group*



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 over 30 network points-of-presence strategically located throughout Texas.

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.



Activities & Accomplishments



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.



Lung cancer is the leading cause of cancer deaths.

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.

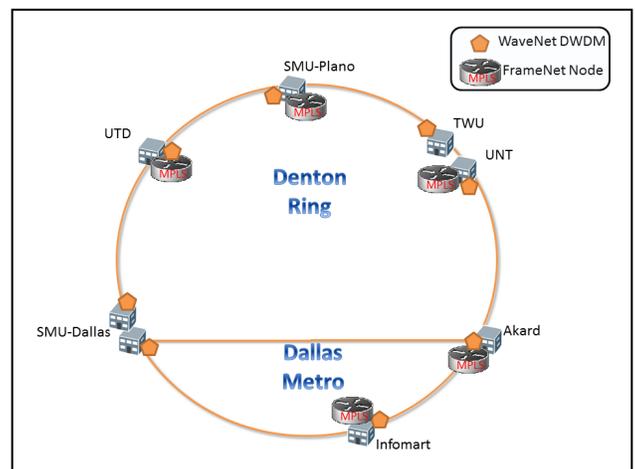


MD Anderson's Moon Shots is giving cancer patients hope.

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.



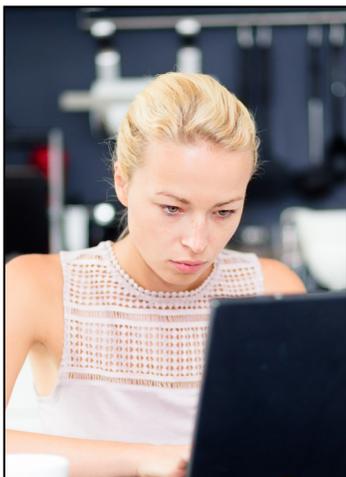
The project created a path protection network ring from Dallas to Denton, deployed five new nodes where customers can gain access to network enabled services, deployed new services in the region and retired infrastructure nearing the end of its useful life. This complex project included gaining access, 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

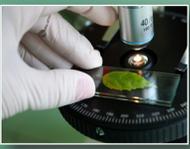
As a result of the partnership between LEARN and Texas Tech University (TTU), students in today's mobile society do not have to live in Lubbock to pursue their education goals. With over 50 degrees, certifications, and certification preparation programs available entirely online, students can prepare 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.



Distance education programs help students meet their educational goals.

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.



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



Texas public school children connect to curriculum from around the world.

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.



Students learn and interact by accessing the Internet.

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.



Project data is improving predictive models for oil spills.

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 ques-

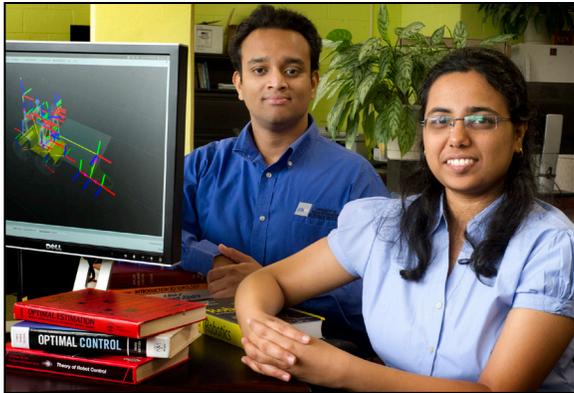
tions, assess policies and programs, and in supporting educational initiatives. By providing a forum for both storing and sharing data, the GRIIDC system increases the impact of scientific research in the Gulf of Mexico and beyond for the benefit of society.

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.



UT Arlington students demonstrate how remotely controlled robots can save lives.

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.

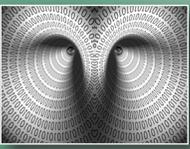
These student teams reflect the leadership role that UT Arlington is playing in transformational research in robotics, particle physics, and other research fields. In 2013, the Chronicle of Higher Education ranked UT Arlington as the 7th fastest growing public research university in the United States.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



Microrobotics will play an important role in patient care.

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.



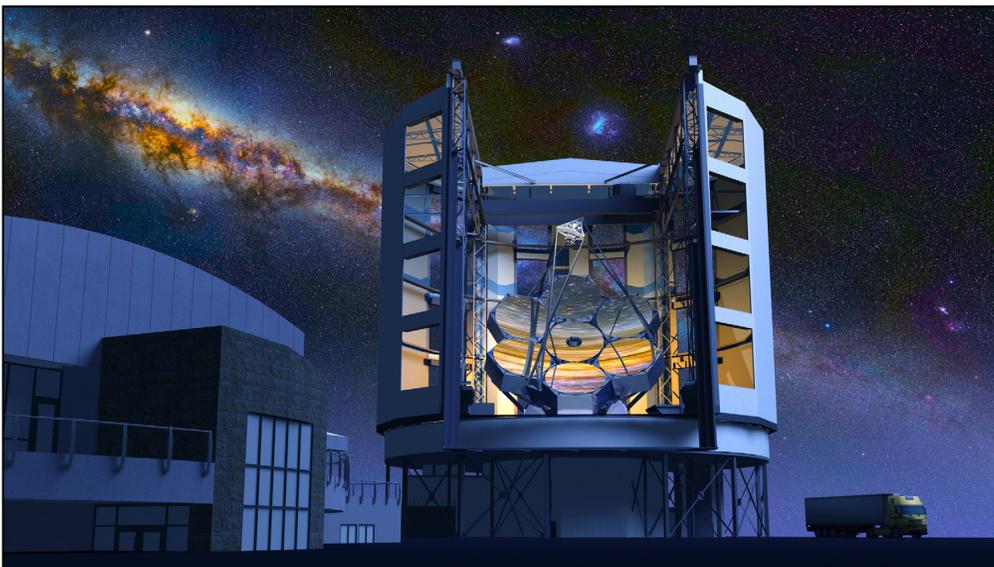
Technology in Baylor's McLane Stadium gives fans the ultimate game day experience.

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.



Advanced networks will help us transform our understanding of the universe.

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

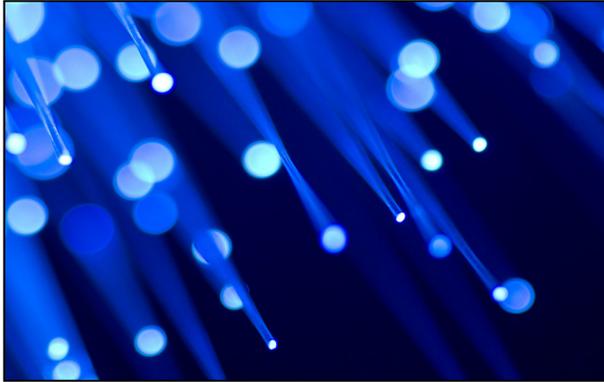
will provide scientists and researchers with more resolving power and images that are 10 times sharper than the space based Hubble telescope.

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.



Infrastructure Performance



LEARN uses light from lasers to transport large data sets.

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



II. Financial Statements



LONESTAR EDUCATION AND RESEARCH NETWORK

Financial Statements

Year Ended

December 31, 2014



Ingrid Edwards CPA PC

8500 N. Mopac, Suite 605,
Austin, TX 78759
512-582-0118

*Member of American Institute of
Certified Public Accountants*

*Member of Texas Society of
Certified Public Accountants*

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

	Current Operating Funds		Total
	Program Fund	Network Fund	
CURRENT ASSETS			
Cash and cash equivalents	\$ 923,094	\$ 11,273,930	\$ 12,197,024
Accounts receivable:			
Network services	-	43,535	43,535
Earned credit card rewards	293	-	293
Funds held by others	1,900	-	1,900
Total Current Assets	925,287	11,317,465	12,242,752
PROPERTY AND EQUIPMENT			
Network equipment	-	7,900,696	7,900,696
Furniture and equipment	69,422	-	69,422
Less accumulated depreciation	(56,393)	(5,830,323)	(5,886,716)
Property and Equipment - net	13,029	2,070,373	2,083,402
OTHER ASSETS			
Network and IRU access rights	-	9,076,747	9,076,747
Less accumulated amortization	-	(4,128,045)	(4,128,045)
Total Other Assets	-	4,948,702	4,948,702
TOTAL ASSETS	\$ 938,316	\$ 18,336,540	\$ 19,274,856

LIABILITIES AND NET ASSETS

CURRENT LIABILITIES			
Deferred revenue	\$ -	\$ 210,902	\$ 210,902
Accounts payable	74,518	72,891	147,409
Credit cards payable	26,654	5,228	31,882
Capital leases payable - current portion	-	38,400	38,400
Total Current Liabilities	101,172	327,421	428,593
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



**LONESTAR EDUCATION AND RESEARCH NETWORK
STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED DECEMBER 31, 2014**

	Current Operating Funds			Total
	Unrestricted		Network Fund	
	Program Fund			
REVENUES AND OTHER SUPPORT				
Network services	\$ -	\$ 6,652,452		\$ 6,652,452
Membership dues	780,000	-		780,000
Investment income	3,326	47,735		51,061
Other income	-	2,773		2,773
NET ASSETS RELEASED FROM RESTRICTIONS:				
Fund transfers	(12)	12		-
TOTAL REVENUES AND OTHER SUPPORT	783,314	6,702,972		7,486,286
EXPENSES				
PROGRAM SERVICES				
Connections and fibers	-	2,758,606		2,758,606
Network parts and supplies	-	58,780		58,780
Installation	-	70,706		70,706
Depreciation	-	703,710		703,710
Amortization	-	585,242		585,242
Total Program Expenses	-	4,177,044		4,177,044
SUPPORTING SERVICES				
Professional fees				
Administration	376,134	536,186		912,320
Auditing	17,850	-		17,850
Consulting	10,250	-		10,250
Accounting	9,066	-		9,066
Legal	7,437	-		7,437
Salaries and wages	12,417	207,725		220,142
Travel	24,049	49,382		73,431
Insurance	44,756	-		44,756
Sponsored meetings	75,217	-		75,217
Membership dues	19,940	-		19,940
Office rent	23,325	-		23,325
Books, subscriptions and reference materials	1,055	14,092		15,147
Office expenses	12,016	2,413		14,429
Telephone	11,817	240		12,057
Payroll taxes	1,010	10,630		11,640
Office utilities and maintenance	6,103	-		6,103
Marketing, education and awards	8,067	-		8,067
Computer and software supplies	3,785	820		4,605
Federation support	8,347	-		8,347
Staff development	-	2,750		2,750
Depreciation	5,154	-		5,154
Total Supporting Services	677,795	824,238		1,502,033
TOTAL EXPENSES	677,795	5,001,282		5,679,077
CHANGES IN NET ASSETS	105,519	1,701,690		1,807,209
NET ASSETS:				
Beginning balance at January 1, 2014	731,625	16,251,662		16,983,287
Ending balance at December 31, 2014	\$ 837,144	\$ 17,953,352		\$ 18,790,496



III. Affiliate Organizations



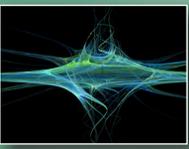
Alvin Community College
Angelina College
Austin Community College
Blinn College
Brazosport College
Del Mar College
Galveston College
Houston Community College
Kilgore College
Lamar Institute of Technology
Lamar State College - Orange
Lamar State College - Port Arthur
Midland College
Navarro College
Northeast 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
Borden County ISD
Borger ISD
Bovina ISD
Bowie ISD
Boys Ranch ISD
Brackett ISD
Brady ISD
Brazos ISD
Brazos School for Inquiry & Creativity
Breckenridge ISD
Brenham ISD
Bridge City ISD
Broaddus ISD
Brock ISD
Bronte ISD
Brookeland ISD
Brooks County ISD
Brooksmith ISD
Brownfield ISD
Brownwood ISD
Bryson ISD
Buckholts ISD
Buena Vista ISD
Bullard ISD
Buna ISD
Burkburnett ISD
Burkeville ISD
Burnet CISD
Burton ISD
Caldwell ISD
Calvert ISD
Canadian ISD
Canyon ISD
Carthage ISD
Castleberry ISD
Cayuga ISD
Centerville ISD
Channelview ISD
Channing ISD
Chapel Hill ISD

Cherokee ISD
Chester ISD
Childress ISD
Chillicothe ISD
Chisum ISD
Christoval ISD
Cisco ISD
City View ISD
Clarendon ISD
Clarksville ISD
Claude ISD
Clint ISD
Clyde CISD
Coahoma ISD
Coldspring-Oakhurst CISD
Coleman ISD
Colmesneil ISD
Colorado ISD
Comanche ISD
Comfort ISD
Community ISD
Como-Pickton CISD
Comstock ISD
Cooper ISD
Corpus Christi Montessori School
Corrigan-Camden ISD
Cotton Center ISD
Coupland ISD
Crane ISD
Crockett County Consolidated CSD
Crockett ISD
Crosbyton CISD
Cross Plains ISD
Cross Roads ISD
Crowell ISD
Culberson County ISD
Cumby ISD
Daingerfield-Lone Star ISD
Damon ISD
Danbury ISD
Darrouzett ISD



Dawson ISD
De Leon ISD
Dekalb ISD
Del Valle ISD
Denton ISD
Detroit ISD
Deweyville ISD
D'Hanis ISD
Dime Box ISD
Dimmitt ISD
Doss Consolidated CSD
Douglass ISD
Dripping Springs ISD
Duncanville ISD
Early ISD
East Central ISD
East Chambers ISD
East Fort Worth Montessori Academy
Eastland ISD
Ector County ISD
Eden ISD
Edna ISD
Ehrhart School
Electra ISD
Era ISD
Erath Excels Academy, Inc.
Etoile ISD
Eula ISD
Evadale ISD
Excelsior ISD
Ezzell ISD
Fannindel ISD
Fayetteville ISD
Flatonia ISD
Florence ISD
Floresville ISD
Floydada ISD
Follett ISD
Forestburg ISD
Forsan ISD
Fort Davis ISD

Fort Elliott CISD
Fort Sam Houston ISD
Fort Stockton ISD
Fort Worth ISD
Frankston ISD
Fredericksburg ISD
Freer ISD
Galena Park ISD
Gause ISD
George West ISD
Glasscock County ISD
Glen Rose ISD
Godley ISD
Gold Burg ISD
Goliad ISD
Gonzales ISD
Goodrich ISD
Gordon ISD
Gorman ISD
Grady ISD
Graford ISD
Grandfalls-Royalty ISD
Grandview-Hopkins ISD
Granger ISD
Grape Creek ISD
Grapeland ISD
Greenwood ISD
Groom ISD
Groveton ISD
Gruver ISD
Gustine ISD
Hale Center ISD
Hamlin ISD
Hamshire-Fannett ISD
Happy ISD
Hardin-Jefferson ISD
Harlingen CISD
Harper ISD
Harrold ISD
Hart ISD
Hartley ISD



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
Loraine ISD
Lorenzo ISD
Lovelady ISD
Lueders-Avoca ISD
Luling ISD
Lumberton ISD
Lytle ISD
Madisonville CISD
Magnolia ISD
Malakoff ISD
Malta ISD



Mansfield ISD
Marathon ISD
Marble Falls ISD
Marfa ISD
Martins Mill ISD
Mason ISD
Matagorda ISD
Maud ISD
May ISD
McCamey ISD
McDade ISD
McLean ISD
McLeod ISD
McMullen County ISD
Meadow ISD
Medina Valley ISD
Memphis ISD
Menard ISD
Merkel ISD
Meyersville ISD
Miami ISD
Midland Academy Charter
Midland ISD
Midway ISD
Milano ISD
Miles ISD
Miller Grove ISD
Monahans-Wickett-Pyote ISD
Monsignor Kelly Catholic High School
Montague ISD
Moran ISD
Morgan Mill ISD
Morton ISD
Moulton ISD
Mount Enterprise ISD
Mount Vernon ISD
Muenster ISD
Mumford ISD
Munday CISD
Murchison ISD
Natalia ISD

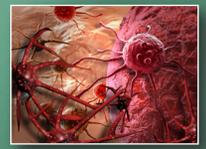
Navarro ISD
Navasota ISD
Nazareth ISD
Neches ISD
Nederland ISD
New Boston ISD
New Braunfels ISD
New Caney ISD
New Deal ISD
New Home ISD
Newcastle ISD
Newton ISD
Nixon-Smiley CISD
Nocona ISD
Normangee ISD
North Hopkins ISD
North Lamar ISD
North Zulch ISD
Northside ISD
Nueces Canyon ISD
Nursery ISD
Oakwood ISD
O'Donnell ISD
Olfen ISD
Olney ISD
Onalaska ISD
Orange Grove ISD
Orangefield ISD
Overton ISD
Paint Creek ISD
Paint Rock ISD
Palacios ISD
Palo Pinto ISD
Pampa ISD
Panhandle ISD
Panther Creek ISD
Paris ISD
Peaster ISD
Pecos-Barstow ISD
Perrin-Whitt CISD
Perryton ISD



- Petersburg ISD
- Petrolia ISD
- Pettus ISD
- Pewitt CISD
- Pilot Point ISD
- Pittsburg ISD
- Plains ISD
- Pleasant Grove ISD
- Plemons-Stinnett-Phillips CISD
- Ponder ISD
- Poolville ISD
- Port Aransas ISD
- Port Arthur ISD
- Port Neches-Groves ISD
- Post ISD
- Prairie Lea ISD
- Prairie Valley ISD
- Prairiland ISD
- Presidio ISD
- Pringle-Morse CISD
- Quanah ISD
- Queen City ISD
- Ralls ISD
- Ranger ISD
- Rankin ISD
- Raven School
- Reagan County ISD
- Red Lick ISD
- Redwater ISD
- Refugio ISD
- Richards ISD
- Richland Springs ISD
- Rio Vista ISD
- Rising Star ISD
- River Road ISD
- Robert Lee ISD
- Roby CISD
- Rochelle ISD
- Rocksprings ISD
- Roosevelt ISD
- Ropes ISD
- Roscoe ISD
- Rotan ISD
- Round Top-Carmine ISD
- Roxton ISD
- Rule ISD
- Runge ISD
- Sabinal ISD
- Sabine ISD
- Sabine Pass ISD
- Saint Jo ISD
- Saltillo ISD
- San Angelo ISD
- San Diego ISD
- San Felipe-Del Rio CISD
- San Saba ISD
- San Vincent ISD
- Sands CISD
- Sanford-Fritch ISD
- Santa Anna ISD
- Santa Gertrudis ISD
- Schertz-Cibolo-Universal City ISD
- Schleicher ISD
- Schulenburg ISD
- Seagraves ISD
- Sealy ISD
- Seashore Middle Academy
- Seymour ISD
- Shallowater ISD
- Shamrock ISD
- Shelbyville ISD
- Shepherd ISD
- Shiner ISD
- Sidney ISD
- Silsbee ISD
- Silverton ISD
- Simms ISD
- Sivells Bend ISD
- Skidmore-Tynan ISD
- Slaton ISD
- Slidell ISD
- Slocum ISD



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
Wylie ISD
Yoakum ISD
Yorktown ISD
Zavalla ISD
Zephyr ISD
Southwestern Adventist University
Sul Ross State University
Sul Ross State University Rio Grande College
Tarleton State University
Texas A&M International University
Texas A&M University - Central Texas
Texas A&M University - Commerce
Texas A&M University - Kingsville
Texas A&M University - San Antonio
Texas A&M University - Texarkana
Texas A&M University at Galveston
Texas Southern University
University of Houston - Clear Lake
University of Houston - Downtown
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
Guadalupe Valley Hospital
Lower Colorado River Authority
Medina Community Hospital
Mesquite Public Library
Mission Hospital
Newton County Library
Orange County
Parkland Memorial Hospital
Project Unity
Southwest Education Development Lab
Texas AgriLife Extension Service
Texas AgriLife Research
Texas Engineering Experiment Station
Texas Engineering Extension Service
Texas Forest Service
Texas Transportation Institute
Texas Veterinary Medical Diagnostic Lab
Travis County
Uvalde Memorial Hospital
Wharton County Library



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