SHARED TECHNOLOGY SERVICES

FEBRUARY 2012

WORKING TOGETHER FOR COST SAVINGS

Oklahoma's two comprehensive research universities touch the lives of every Oklahoman through individual and collaborative activities. Working together, Oklahoma State University, the University of Oklahoma, OneNet, and the Oklahoma State Regents for Higher Education utilize unique and specialized technologies to deliver programs and services to our institutions and for the state.

Our universities have identified key opportunities for collaboration and shared technology services in areas such as purchasing, technology design, vendor relationships, projects, service delivery, knowledge and expertise sharing, strategic planning and decision making. The success of these activities is dependent on the development of mutually agreeable plans and on the extent to which appropriate funding is available.

> **Real Value**
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> Our collaboration on technology services generates value for Oklahoma in the millions of dollars through grants, cost avoidance, and cost savings.

Infrastructure

Staff are actively working to identify opportunities for sharing hardware and infrastructure resources between campuses and institutions including data center facility co-location, server, storage, and virtualization capabilities to support collaboration, research, and business continuity and disaster recovery.

People

Our staff will identify common roles and resources that can collaborate in a Center of Excellence model to share specialized skills and expertise. This model will facilitate investigation of options for staff augmentation between our organizations for operational support, application development and emergency assistance in business continuity/disaster recovery situations.

Key Contracts

We will identify key contracts and vendors for opportunities to negotiate volume purchase agreements that lower costs and create consistent relationships for our institutions. Additionally, we will investigate including these contracts as part of our SciQuest online product catalogs, with a goal of making them available to other institutions and agencies throughout the state.

Trusted Access

Faculty, students and staff from each institution will have secure mutual access to services and resources of both institutions through a federated trust model between our account and authentication systems. Further, implementing the InCommon federated trust model will facilitate secure collaboration with other higher education and research institutions.

Enhance Network Connectivity with OneNet

Building on the successes of the Oklahoma Cyberinfrastructure Initiative, and including leveraging the recent EPSCoR grant investment in 10 Gbps optical connectivity provided through OneNet to Oklahoma research institutions, active planning is underway to add additional private-cloud connectivity between our campuses, which will build a foundation for shared services. The enhanced network connectivity will also ensure continued access to ever-evolving high-speed research consortia via the National Lambda Rail, the Quilt, regional optical networks and Internet2.

Service Catalogs and Project Portfolios

On a regular basis, we will review our catalogs of key technology services and our project portfolios to identify upcoming opportunities for collaborative implementations in the areas of knowledge sharing, creating centers of excellence and for sharing people and infrastructure.

For example, we are currently investigating security monitoring and SharePoint services as candidates for eliminating duplicative efforts while designing quality user experiences. We will develop a framework for sharing internally developed applications between our institutions. Finally, we will publish a public view of these collaborative projects and initiatives.
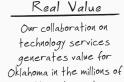
Training Materials and Resources

The technology learning curve for both our users and our staff is constantly rising. We will collaborate on various training programs, technology and otherwise, including specific security awareness training materials and resources for National Cyber Security Awareness Month, HIPAA and other security best practices.

OneNet — Oklahoma's Telecommunications Network

OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION — Improving our future by degrees

SUCCESSFUL COLLABORATION

OSU and OU have long recognized our unique opportunities to invest in Oklahoma's future through collaborative efforts and shared technology services. Both universities have decades of experience delivering shared services within our systems, to affiliated entities and to state agencies such as voice services for the Department of Health, call center services for DHS and training to local, state and national entities through the Center for Local Government & Technology.

These services have optimized technology resources and reduced duplication and agency-specific hiring resulting in significant accumulated cost savings.

In 2008, OU, OSU and OneNet joined forces to create the Oklahoma Cyberinfrastructure Initiative (OCII) which produced five successful NSF EPSCoR awards totaling more than $20M. There are proposals in development for another $23M in anticipated awards by the end of 2013. These awards have helped create a research cyberinfrastructure environment that has facilitated another $70M in grants for Oklahoma.

CENTERS OF EXCELLENCE

Our universities, through public and private partnerships and affiliations, operate many centers of excellence for education and research that drive innovation and economic development and improve the quality of life for Oklahomans. The following are just a few examples.

Research and Education are at the heart of our institutional missions of generating graduates, jobs and capital for our communities and state.

- Oklahoma Mesonet
- K20 Center for Educational & Community Renewal
- College of Medicine Clinical Skills Education & Testing Center
- Rawl Engineering Practice Facility
- OU Urban Design Studio
- OU Drilling Rig Simulator
- Center for Spatial Analysis
- Advanced Center for Genome Technology
- Henry Bellmon Research Center
- OSU Institute for Agricultural Biosciences
- University Multispectral Laboratories
- OSU Web Handling Research Center
- Robert M. Kerr Food and Agricultural Products Center
- National Center for Veterinary Parasitology
- OSU Center for Innovation and Economic Development
- Devon Visualization Facility

Quality of life is enhanced by our centers and programs for healthcare, cultural enrichment, and public safety.

- Peggy and Charles Stephenson Cancer Center
- Harold Hamm Diabetes Center
- OU Physicians
- OU-TU School of Community Medicine
- Oklahoma Poison Control Center
- Sam Noble Museum of Natural History
- Fred Jones, Jr. Museum of Art
- National Weather Center
- Center for Analysis and Prediction of Storms
- National Resource Center for Youth Services
- Center for Rural Health
- OSU Physicians Clinics
- Oklahoma Cooperative Extension Service
- OSU Fire Protection Services
- OSU Center for Hospitality and Tourism Research
- Institute for Protective Apparel Research and Technology
- Oklahoma AgrAbility Project
- OSU Center for Family Resilience
- Center for Veterinary Health Sciences
- Center for Research on STEM Teaching and Learning

Foundational to these unique, innovative centers, activities and programs are specialized technologies such as high performance computing, high speed data research networks, advanced radar systems, petascale storage resources, virtualization, classroom technologies, distance education systems, electronic medical records, medical imaging and informatics, 3-D architectural rendering, library catalogs and online databases, animal facilities, advanced research labs, telemedicine and many more. Sharing resources, knowledge, contracts, training materials and technology services will benefit our campuses and state by further enhancing our centers for excellence and reducing costs.

> " In light of recent budget cuts that are happening across both the state and the entire country, sharing services between Oklahoma's research universities represents significant costs savings. With advances in technology, collaboration and shared services between OU and OSU are now easier than ever. Working together benefits both university communities and the entire state. "
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> - David Boren, OU President

> " One of OneNet's core initiatives is minimizing the costs of network resources for all higher education institutions across Oklahoma. Through efforts within the State Regents' Council on Information Technology, the state saves tens of millions of dollars every year. We see this collaboration as an expansion on those successes. "
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> - Glen D. Johnson, Chancellor

> " As a public land-grant institution, it is imperative Oklahoma State University continue to be a good steward of the public's money. We support and encourage collaborations and the use of shared technology with the University of Oklahoma that will reduce costs, enhance our students' educational experience and our faculty's research, and advance our state. "
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> - Burns Hargis, OSU President