To the citizens of

Johnson County

It is with great pleasure and gratitude we present to you this report on the first five years of the Johnson County Education Research Triangle.

While the Triangle proudly celebrates this anniversary, the concept has deep roots in the positive and hopeful culture of Johnson County. Like the visionaries who started the county’s library system and community college in the middle of the last century, academic and civic leaders foresaw great economic opportunity in public funding for higher education focused on bioscience and technology.

We thank the Kansas lawmakers who enacted the 2007 law that allowed you, the voters, to support a 1/8th cent sales tax as an investment in the future of this county. As a result, Johnson County embarked upon a unique partnership between The University of Kansas and Kansas State University to bring academic, research and business development initiatives to our economy.

Together, the schools invested $72 million of Triangle tax funds to build or renovate 265,400 square feet of space, providing construction jobs and capital investment during the recession while creating new, local places for leading educational, business development, research and healthcare activity.

As the Triangle continues to receive nearly $15 million annually to support programs and these facilities, its institutions also are able to unlock millions of dollars more in private and public funds and research grants. We remain firmly committed to the long-range vision of $1.4 billion in economic county impact in this generation.

We also are committed to our purpose of attracting and retaining a talented workforce that will foster expansion in our business community. The Triangle will help Johnson County provide a healthy and prosperous economy, as well as intellectual and cultural activity that maintains, protects and enhances community values.

We are grateful to the citizens and elected leaders of Johnson County. We invite you to stay abreast of the Triangle’s progress at JoCoTriangle.com. We pledge our best efforts to meet and exceed your expectations.

Ed Eilert, Chairman
Johnson County Education Research Triangle Authority
The new Johnson County Education Research Triangle Authority was established in early 2009. It has seven members who must be elected officials in Johnson County, Kan.

They are appointed for no more than two, four-year terms by the Governor, the Board of Regents, the Johnson County Commission, University of Kansas, Kansas State University and Johnson County Community College.

The Authority will ensure the monies are divided equally, the three facilities, degrees and research promised are delivered to the citizens of Johnson County and the funds are managed correctly.

The Kansas Board of Regents maintains its constitutional Authority over the universities.

The Authority retains up to 2 percentage of the revenue for conducting the business of the Authority such as legal, audit and communications. They meet quarterly in an open meeting.

The Authority oversees the scholarship program for Johnson County residents accessing Triangle programs. K-State Olathe and KU Edwards Campus both set aside $50,000 for these scholarships.

The State of Kansas and Johnson County both have the right to audit the Authority at any time. However, the Authority conducts a regular independent audit to ensure credibility, efficiency and public confidence.
A SPECIAL COUNTY SUPPORTS A UNIQUE PROJECT

Every visionary initiative gets its start when a few people begin talking about the future. The Johnson County Education Research Triangle is no different. In 2006 a confluence of activities brought together Johnson County leaders, the University of Kansas and Kansas State University to do something unique, special and impactful to the future of this county, the region and the state of Kansas.

Many say the success of the Triangle was its timing during what was called the “perfect storm” because it started amid the swirl of several major initiatives in the metropolitan area.

- Jim and Virginia Stowers constructed the Stowers Institute, housing 25 basic cancer research scientists.
- The Greater Kansas City Community Foundation hired Dr. Benno Schmidt, former president of Yale University, to produce the “Time To Get It Right” study which highlighted the coming of the knowledge-based economy in of life sciences, animal health and food safety and the urgent need for a higher education strategy.
- The Kansas City Civic Council established the life sciences economy as a top priority for the future of the region.
- KU Edwards Campus Vice Chancellor Dr. Robert Clark floated an idea for a local property tax to help the campus expand more quickly to serve the growing needs of existing engineering, technology and science companies.
- KU Chancellor Robert Hemenway declared the acquisition of the NIH National Cancer Institute’s Designation for the Cancer Center as the top priority of the university and developed a 10-year strategy to do so.
- Anne St. Peter led the charge with the Greater Kansas City Chamber of Commerce, Civic Council and Kansas City Area Development Council to explore the potential for the Kansas City economy to focus on animal health which, resulted in the founding of the Animal Health Corridor from Manhattan, Kan. to Columbia, Mo.

- The City of Olathe Mayor Michael Copeland and developer Clay Blair were working with Kansas State University to develop a satellite campus in Olathe that would focus on animal health and food safety. Johnson County leaders began to discuss what areas of the life sciences and animal health economy might be a good fit for Johnson County and enhance the region’s current efforts.

- Johnson County employers identified higher education opportunities as a key component to attract and retain the labor force for the future of the knowledge-based economy.
THE TRIANGLE

The Johnson County Education Research Triangle is a partnership between the taxpayers of Johnson County, Kansas State University and the University of Kansas to bring the finest expanded higher education degrees and research to the county.

Three new facilities have been constructed or renovated, the KU Edwards Campus Business, Engineering, Science and Technology (BEST) Building in Overland Park, the Kansas State University Innovation Campus National Food and Animal Health Institute in Olathe and the University of Kansas Clinical Research Center in Fairway.

THE JOURNEY TO THE TRIANGLE

It took five years and three big steps for the Triangle to become a reality. A year before seeking legislation the research began, the vision was developed and the Triangle was born. Early leaders including KU Chancellor Hemenway, K-State President Wefald, and civic leaders Dick Bond, Bob Regnier, Bill Hall and Mary Birch brought the partnership together to move the initiative forward.

- In 2007 enabling legislation was passed to allow the voters of Johnson County to vote on the Triangle. KU Medical Center Vice Chancellor, David Adkins drafted the legislation, Overland Park Senator and Tax Committee Chairwoman Barbara Allen introduced and carried the bill. University advocates Kathy Damron of KU and Sue Peterson of K-State led the legislative approval effort. House Tax Chairman Kenny Wilk facilitated the bill in the House. Governor Kathleen Sebelius, a proponent of the initiative, signed the enabling legislation into law in 2007.

- In 2008 the Johnson County Commission voted 6-1 to place a one-eighth cent sales tax on the ballot. This effort took more than a year. A case had to be made to convince the commission to put the Triangle on the ballot. Supporters had grown and many Johnson County business people spoke before the commission. This was the beginning of the grassroots education effort. The Johnson County Issue #2 was placed on the 2008 November general election ballot.

- Fred Logan, a staunch education proponent in Johnson County chaired the campaign; he was joined by honorary co-chairs Bob Regnier and Karin Brownlee. Logan conducted extensive research, commissioned an economic impact analyses ($1.4B in the first 20 years) and designed the winning strategy.

- Hall raised the $400,000 to finance the effort. It was gratifying to see support come from both sides of the state line for the Triangle campaign. Former Senator Audrey Langworthy led the volunteer efforts with support in every city of the county and more than 1000 advocates talking about the excitement of the Triangle. The volunteers made more than 226 presentations to clubs, organizations and groups.

- In November 2008, I n spite of the stock market crash of the month before, the Triangle tax was passed by the voters of Johnson County by 57 percent. This was a monumental victory; it was one of its kind in the Nation.
Ambitions & Achievement

On behalf of all KU Edwards Campus faculty, staff and students, thank you to county citizens for supporting the Johnson County Education Research Triangle.

When voters approved the tax, they said yes to a combination of cutting-edge programs and a state-of-the-art higher education facility in the heart of the county at 127th Street and Quivira Road. We’ve worked hard to deliver both.

Our campus’s new programs in business, engineering, science and technology, plus the state-of-the-art BEST Building, make KU Edwards Campus a growing center in the county for both higher education and area-wide economic development.

Going forward, KU Edwards Campus expects to gain momentum and solidify strong relationships with business and industry, grateful they welcome our graduates seeking to grow their careers in a way that can only improve the local, state and regional economies.

— David Cook, vice chancellor

Outcomes & Opportunities

The projected estimate of more than $1 billion worth of positive, local economic impact in the next decades means Johnson County is gaining a more competitive edge in both attracting new business and meeting existing industry needs for talented and well-educated employees.

Cooperation and Continuity

Close collaboration between the KU Edward Campus and Johnson Country businesses means 10 new programs enabled by the Triangle tax will provide students with opportunities for hands-on, real-life education.

Not only are early- and mid-career students easily transitioning in the classroom, but also annual enrollment in the new Triangle degree programs is increasing steadily, with the opportunity to award up to $50,000 each year in scholarships to students in Triangle programs.
Signature Accomplishments

The BEST Building: The Name Says It All

- $23 million Business, Engineering, Science and Technology (BEST) Building opened in spring of 2012.
- 75,000-square-foot building increased KU Edwards Campus’s space by nearly 50 percent.
- The building includes 17 classrooms and a 4,000-square-foot conference center that accommodates up to 400 people.
- 11.5 new jobs created totaling $901,600 in salaries and benefits.

Seven Degree Programs Added

- Bachelor of Business Administration
- Bachelor of Science in Exercise Science
- Bachelor of Science in Information Technology
- Master of Engineering in Project Management
- Master of Science in Project Management
- Master of Science in Educational Technology
- Professional Science Master’s in Environmental Assessment

Classroom to Workbench

“My bachelor’s degree in information technology included an internship that became an apprenticeship. My classroom education has transferred directly to my success at Cerner, and I hope to stay at Cerner after I graduate to continue to help improve our healthcare systems.”

— James Byars, Bachelor of Science in Information Technology student and Triangle scholarship recipient

Educated and Expanding Workforce

“Engineers need technical skills, but they also must manage people, resources, clients, budgets and schedules. The project management degree programs added at KU Edwards Campus through the Triangle tax provide the best opportunity for an engineer to also be a competent project manager.”

— Peter D. Zanoni, retired, vice president and civil engineer, Burns and McDonnell
K-State expertise at Johnson County’s doorstep

Kansas State University Olathe’s mission: “To be the model and leader of adaptable, interdisciplinary and innovative education, research and public/private engagement in the Kansas City area bridging the university with global and local community, government and industry partners.”

K-State Olathe is more than just a campus — it’s a stakeholder in the community. Professionals in the Kansas City metro come here to advance their careers, strengthen industry linkages and become solid assets in their organizations. K-State Olathe works with K-12 schools as well as local industry to ensure tomorrow’s leaders have the necessary skills for success in the workplace.

Every day we are helping the metro’s talent to sharpen their technological skills in the sciences and hone their capabilities to meet the expectations of their employers.

—Prema Arasu, Ph.D., D.V.M., MBA, CEO and vice provost

Industry highlights

Industry and community interests are a core priority of K-State Olathe. This has led to:

- Engaging with K-State Research and Extension on urban food systems and commercialization opportunities.
- Collaborating with companies such as SmartVet USA resulting in a patented technology that efficiently and effectively delivers pharmaceuticals.
- Partnering with Merck Animal Health and the Kansas State Veterinary Diagnostic Laboratory to build a Microbial Surveillance Laboratory that can process samples more rapidly and train students in new technologies.
- Providing companies in the region with K-State’s expertise and talent.
Centers and institutes

• Urban Water Institute
• U.S.-China Center for Animal Health
• Sensory and Consumer Research Center (food or other products)
• Innovation Accelerator with funding from the U.S. Economic Development Administration to bring business and engineering solutions to health, agricultural and food related challenges

Research, education and engagement

In its first three years of operation, K-State Olathe has emphasized research and graduate education relevant to the region’s workforce and economic development. Our laboratories and programs emphasize the food sciences, animal biotechnology, biological engineering, disease diagnostics, urban water issues, renewable energy and much more.

Our community engagement has included:

• More than 40,000 participants in professional programs.
• More than 10,000 K-12 students and teachers through science and career development programs and summer workshops.
• More than 150 university faculty contributing to a diversity of initiatives.
• Graduate and executive education that leads to the master’s and doctoral degrees in several disciplines relevant to health, agriculture, food and education.
• Building Size: 108,000 square feet
• Building Cost: $29 million
• Employees: 50 employees including full time, part time and graduate research assistants
Finding hope and saving lives

Designed unlike any other research facility in the country, the KU Clinical Research Center is the home of The University of Kansas Cancer Center’s Clinical Trials Office and the Early Phase Oncology Clinical Trials Unit; the Midwest Cancer Alliance; Frontiers: The Heartland Institute for Clinical and Translational Research; and the University of Kansas Alzheimer’s Disease Center. Their close proximity to each other inspires collaboration in discovering cures and working toward a world without cancer, Alzheimer’s disease and other conditions.

We know that KU scientists are among the nation’s leaders in drug development. This building provides a place where our patients can have access to the latest new therapies while, at the same time, helping to improve treatments and find cures for future generations.

—Douglas Girod, M.D., executive vice chancellor

The University of Kansas Cancer Center Early Phase Oncology Program

Cancer clinical trials provide access to potential advancements in care and lead to medical innovations in cancer prevention and treatment. Clinical trials have become an essential element in cancer treatment options and may be a patient’s best chance for increased survival.

In the two years since the Early Phase Oncology Program began operating at the CRC, the program has increased availability of the number of early phase clinical trials from eight trials in January 2012 to 27 open or soon to be open trials in the first half of 2014. The program is also reaching larger numbers of patients with the increase in the unit’s clinical trial portfolio, jumping from 57 patients in early phase clinical trials in year 1 to 100 patients in year 2.
The KU Clinical Research Center

- Location: Fairway Kansas
- Building donated by Hall Family Foundation
- Renovation $19.4M
- Sq. Ft. 82,400
- New Jobs - 55
- Annual Payroll approximately - $4M

Premier programs

In addition to the Early Phase Oncology Clinical Trials Unit, there are a number of other nationally-recognized programs at the KU Clinical Research Center.

The Clinical and Translational Science Unit (CTSU) has promoted collaborations that have spurred research efforts among scientists and institutions across the Kansas City metropolitan area. The resources at the CTSU have been used to support dietary/nutrition services, research sleep studies, exercise physiology testing, and a wide variety of clinical research studies. Total CTSU grant funding awarded to researchers since 2012 is $13,766,118.

The University of Kansas Alzheimer’s Disease Center became a nationally-designated center in August 2011, receiving a 5-year, $6 million grant from the National Institutes on Aging. This Center is one of 29 centers in the country. The KU Alzheimer’s Disease Center has supported over $2 million in federal and non-federal grants by investigators within the Clinical Research Center.

The Midwest Cancer Alliance (MCA) is a membership-based organization that brings together cancer research, care and support professionals to advance the quality and reach of cancer prevention, early detection, treatment, and survivorship in the Heartland. The MCA links The University of Kansas Cancer Center research and services with member hospitals, medical professionals and their patients so that the latest cancer research and care can be found close to home.

The unit has seen a significant increase in study participant visits to the Clinical Research Center. In 2013 there were 796 oncology patient visits, compared to 482 in 2012, an increase of 60 percent.

Numerous pharmaceutical company representatives and other collaborators continue to visit the facility to monitor ongoing studies, discuss potential new studies, conduct pre-study site visits and study initiation visits.
Johnson County Education Research Triangle
Summary of Economic Impacts: 2009 - 2014

IMPACTS FROM CONSTRUCTION*:

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<tr>
<th>Industry</th>
<th>Employment</th>
<th>Household</th>
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<tr>
<td>K-State Olathe</td>
<td>175</td>
<td>10,928,264</td>
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<td>KU Edwards Campus - BEST Building</td>
<td>138</td>
<td>8,620,400</td>
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<tr>
<td>KU Clinical Research Center</td>
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<td>7,271,120</td>
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<td><strong>Total Impact of Construction Activities</strong></td>
<td>429</td>
<td><strong>26,819,784</strong></td>
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* Impacts lasting only for the duration of the construction.

IMPACTS FROM ONGOING OPERATIONS:

**K-State Olathe**

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<tr>
<td>Operations and Research Activities</td>
<td>62</td>
<td>6,488,201</td>
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<td>Visitors Attending K-State Programs</td>
<td>7</td>
<td>112,293</td>
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<td>Impact of National Food &amp; Animal Health Institute</td>
<td>68</td>
<td>6,604,494</td>
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**KU Edwards Campus - BEST Building Programs**

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<tr>
<td>Operations and Research Activities</td>
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<td>5,775,265</td>
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<td>Increased Earnings of KU Graduates (77 graduates)</td>
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<td>172,691</td>
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<tr>
<td>Visitors Attending KU Edwards Campus Programs</td>
<td>3</td>
<td>56,971</td>
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<tr>
<td>Impact of Business Education Technology Center</td>
<td>98</td>
<td>6,004,927</td>
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**KU Cancer Center - Clinical Research Center**

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<th>Industry</th>
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<tbody>
<tr>
<td>Operating and Research Activities</td>
<td>71</td>
<td>4,888,548</td>
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<tr>
<td>Visitors Associated with Clinical Trials</td>
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<td>113,757</td>
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<td>Impact of Cancer Clinical Research Center</td>
<td>78</td>
<td>5,002,305</td>
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<tr>
<td><strong>Total Impact of Ongoing Operations</strong></td>
<td>245</td>
<td><strong>17,607,726</strong></td>
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- JCERT 1/8th cent county sales tax raises approximately $15M per year. $75M over the first five years.
- The Impact information does not include the bond and debt that is paid out for the facilities, approximately $7.5M per year/$37.5M for five years.
- The construction impact was for approximately two years.
- The balance of the tax revenue each year goes to operations, degrees and research, approximately $7.5M per year/$37.5M for five years.
- The $80M in impact is for about two years of operations and is about 35% of the programs, degrees and research promised by the Triangle.
- The Triangle is on track to achieve the predicted $1.4B of economic impact in its first two decades.
WHAT’S NEXT

THE TRIANGLE’S HORIZON
2014-2019

THE KU CLINICAL RESEARCH CENTER

A hub of translational research in the region

The KU Clinical Research Center will continue to conduct clinical trials on novel drugs and innovative devices to speed the research process bringing potential treatments faster to patients, provide opportunities for people across the region to participate in clinical research; and provide hope for patients seeking cures to rare and neglected diseases. While performing this mission, the KU Clinical Research Center activities will provide academics, scientists, and other professionals with good jobs, have an impact on the region’s economy; and stimulate collaboration with Triangle and other community partners.

KU Cancer Early Phase Oncology Program

- Expand its clinical trial portfolio by approximately 100 percent from current volume to 40-45 open trials for treatment 300 cancer patients per year
- Acquire national recognition as a premier early phase oncology program by increasing partnerships and business relationships with the pharmaceutical industry, philanthropic organizations and government agencies
- Expand the patient referral network among its Midwest Cancer Alliance partners and community collaborators
- Be a key driver in achieving Comprehensive Cancer Center status, the highest possible NCI designation

The Alzheimer’s Disease Center

- Become a national leader in Alzheimer’s disease treatment and prevention by expanding current programs
- Grow investigator user base and develop a post-doctoral fellowship
- Improve access to clinical trials by expanding the Clinical Trial Unit.

THE K-STATE OLATHE CAMPUS

Growth, Creativity, Change, Innovation

Through the Olathe campus, Kansas State University will provide a model of how strong partnerships between university-industry-government-community can address today’s social, economic and local/global issues especially as they relate to agriculture, health and food.

K-State Olathe will be an innovation hub connecting Kansas State University to Greater Kansas City, a hive of integrated, interdisciplinary learning, discovery and translation and a hybrid of “cultures,” partnering in novel ways of thinking and doing. Industry will see this campus as the “solution finders.”

- Increase educational offerings (courses, workshops, certificates, graduate degrees) through specialized, flexible and just-in-time opportunities in response to the needs of students, executives and industry
- Expand interdisciplinary research and development of viable technologies in animal health and food with industry and institutional partners
- Capitalize on the success of K-12 science partnerships through increasing strategic initiatives with all Johnson County school districts
- Explore and implement Triangle partnerships such as the 2+2+2+2 pathway to degrees, outreach programs such as “Cooking for Cancer” and cross-institutional course sharing

THE UNIVERSITY OF KANSAS EDWARDS CAMPUS

Targeted degree programs developed with business and industry that result in new jobs and economic impact

The business, engineering, science and technology expansion at the KU Edwards Campus provides a permanent footprint for KU in Johnson County. Through the support of those economic sectors and KU’s investment in this county, the local economy remains competitive with new jobs and contributes to a better quality of life. Within the next five years, the Edwards Campus will:

- Proceed with the final three academic degree programs of the 10 that were promised to the voters. A Bachelor of Applied Science in Biotechnology will begin in the 2014-2015 academic year.
- Cultivate further collaborations with business, industry and area community colleges to identify additional degree programs to address workforce needs.
- Launch Degree in 3 program with Blue Valley School District’s Center for Advanced Professional Studies (CAPS) and Johnson County Community College. Expand program to area Johnson County school districts and engage business and industry to create internships and real-world experiences for students.
- Produce a community speaker’s series focused on health, nutrition and the environment in partnership with K-State Olathe and the KU Clinical Research Center.