


ConnectKentucky
Accelerating Technology in the Commonwealth!

**Community Benchmark
Daviness County**



**Governor Fletcher's
"Prescription for Innovation"**

Initiative announced October 7th, 2004:

"Governor Fletcher today announced a comprehensive broadband deployment and adoption plan that will **leverage state, federal and private dollars to blanket Kentucky with broadband Internet access, encourage citizen use of computers and the Internet, and provide every Kentucky community with an online presence** for delivering citizen services and promoting economic development."

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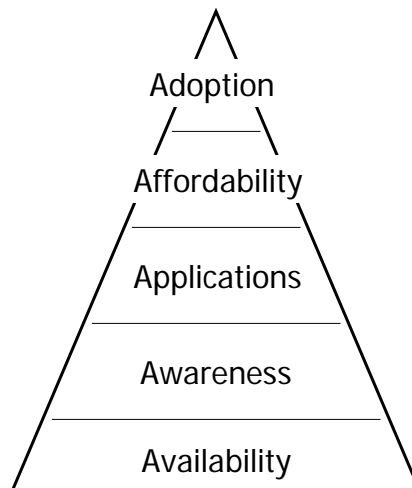
Making Progress a Priority

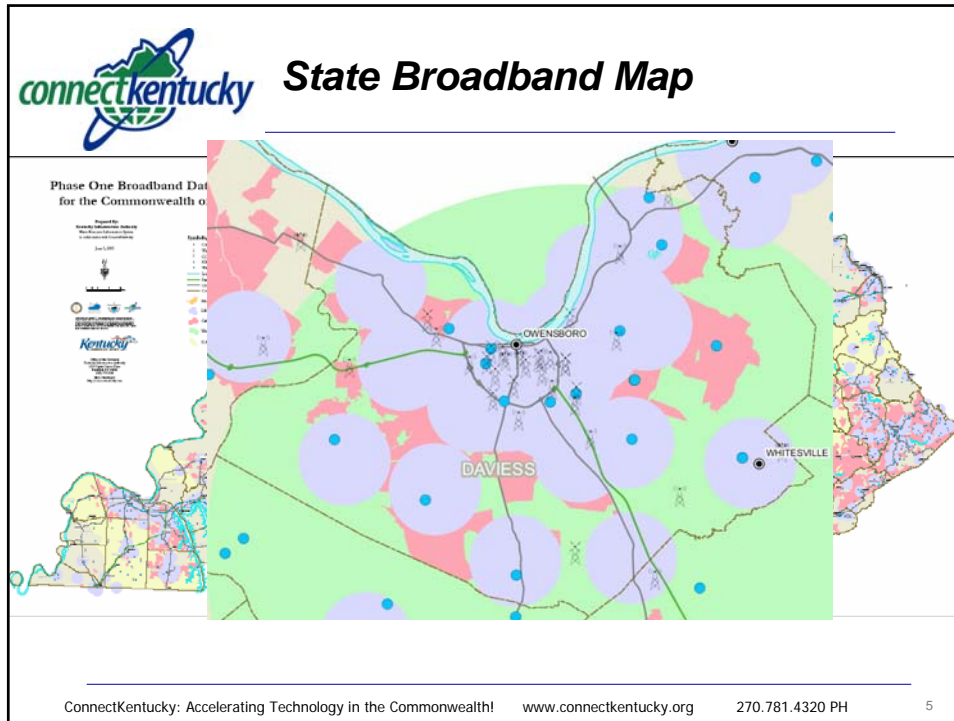
- **44th** – Kentucky ranking for proportion of high-tech companies
 - **43rd** – Kentucky ranking for citizen Internet use
 - **45th** – Kentucky ranking for citizen computer use
- ✓ **To improve the first point, we must address the latter two**



Governor Fletcher's "Prescription for Innovation"

Addresses
"5 A's" of
technology
adoption





connectkentucky Current Evaluation – Daviess

Sector	Network Current	Network Goal	Applications Current	Applications Goal	Leadership Current	Leadership Future
Government	3	4	4	4	3	3
Government	2	4	3	5	3	4
K-12 School District	3	5	4	5	4	5
K-12 School District	3	4	3	4	1	2
Higher Ed	3	4	2	4	4	5
Healthcare	3+		4+		3+	
Business & Industry	3	5	3	4	2	5
Business & Industry	3	4	4	4	3	4
Parks, Recreation, Tourism						
Community Based Organizations						
Libraries						
Agriculture						

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Community Sectors

- Business & Industry
- P-12 Education
- Healthcare
- Libraries
- Higher Education
- Community-based Organizations
- Government
- Tourism, Recreation and Parks
- Agriculture



Business & Industry Ideas

- Educate small businesses on what telecommunications services are available and the benefits of using technology in business.
- Create a high-tech center to show the technology infrastructure, and employee capabilities.
- Extend telecommunications infrastructure to the rural areas of the County.
- Create technologically capable workforce through training and skills development.
- Develop a services directory for local IT related services in the County, including business-to business opportunities.

 **Business & Industry Ideas (cont.)**

- Provide businesses with the ability to get non-emergency information from government agencies on-line and to submit information electronically. For example, to request training in spotting bad checks or to get information on how to enhance building security.
- Identify ways to reduce the costs of connecting to the Internet; and identify potential funding sources for small businesses.
- Get businesses together to aggregate demand for high-speed services, create a more attractive market for infrastructure providers, and ensure that the services meet local needs.

 **Business & Industry Ideas (cont.)**

- Organize demonstrations of the new technologies and present local role model users.
- Develop workshops and seminars on the use of the Internet and technology and their benefits to the rural population.
- Identify the broadband infrastructure availability in the County, where services are located, and what level of service is available? Include wireless technologies.
- Develop technology-training programs targeted to small business and actively recruit participants. Instruction should be provided by a neutral party, not a technology vendor.



connectkentucky P-12 Education Ideas

- Build relationships between education and broadband providers.
- Develop strategies for bridging the digital divide – after school programs, community centers, etc.
- Increase access in classrooms and provide more multi-media capabilities.
- Identify options for opening school computer labs to the community after hours.
- Evaluate the feasibility of offering teachers discounted fees on broadband connections.



connectkentucky P-12 Education Ideas (cont.)

- Strive to have 10% of high school students and teachers complete one distance learning course per year.
- Win the support of the school boards for increased resources for technology and training.
- Make technology a regular part of teachers' professional development programs.
- Make it easier for low-income families to access computers and the Internet to facilitate communications with teachers and schools. Ask businesses to donate surplus computers to low-income parents. Provide those parents with low-cost Internet connections through the School District.



connectkentucky P-12 Education Ideas (cont.)

- Seek technology proficiency of Level 1-3 for K-12 teachers.
- Expand student, parent and teacher access to student information such as homework assignments and attendance records.
- Increase the use of technology in student projects to help them learn how to express themselves with the new tools.
- Develop informational Web sites for all schools with interactive features.
- Seek more funding for ongoing support for technology. Seek funding sources that will provide operations support rather than equipment procurement.



connectkentucky Healthcare Ideas

- Develop a provider's survey to gather baseline information on usage of technology in healthcare. Questions should include: email access, Internet access, web pages, electronic records, billing, and telemedicine initiatives.
- Educate providers on available technologies and the benefits of technology in medicine.
- Obtain funding to support smaller providers by partnering with suppliers, forming a small business consortium, and seeking more private/public grants.
- Provide safe, vendor neutral, basic education and training on information technology for healthcare providers using the state and community colleges, adult education programs, and libraries.



Healthcare Ideas

- Expand access to affordable, high-speed networks for smaller providers and rural areas via private and public partnerships, to provide tele-medicine and teleconferencing services..
- Develop better strategies for retaining technical and professional healthcare staff.
- Partner with higher education institutions to include training in the value of the Internet and Web in the medical field as part of the standard coursework for nurses and other healthcare professionals.
- Create a focus group for private practitioners who do not use technology to identify the barriers.



Libraries Ideas

- Investigate cost-efficient ways to provide increased bandwidth to rural libraries.
- Increase the number of public access computers and provide ports where patrons with laptop computers can connect to high-speed lines.
- Market the current capabilities and services of the Library System. Improve the current web site, and expand the capabilities of interacting with our patrons.
- Improve technical support for the public computers and library web site.
- Offer more instruction on how to take advantage of the Web's resources.



Libraries Ideas (cont.)

- Complete automation and networking
- Explore and develop options to increase customer-initiated transactions on-line, including financial and library services, such as paying fines on-line and accessing subscription databases.
- Investigate and overcome issues related to providing personal laptop access to the high-speed network at the library such as security, networking, wiring, and electricity.
- Identify and catalog technology training programs already in place.



Higher Education Ideas

- Develop wireless networks to seamlessly allow access for students and faculty to the campus network.
- Develop advanced applications like VO-IP to save resources and enhance services.
- Complete the wiring of all dorms to provide students with fast access to the campus network.
- Substantially increase the number of web-enhanced and fully web-based courses. Increase the number of classes using these technologies and/or digital content to 75%.



Higher Education Ideas

- Improve countywide access to distance learning classes.
- Identify an ongoing source of funds for technology acquisition and support.
- Provide continuous training to all educators and staff on technology usage and applications.
- Provide IT resources to the community as well as educate the end-users in the use of technology.



Community-based Organizations Ideas

- Identify the community-based organizations in the County.
- Develop a list of potential funding sources for technology acquisition.
- Develop collaborative partnerships with educational institutions and corporate partners to provide web services/design and equipment.
- Recruit university and high school interns to develop web pages for nonprofit organizations.
- Encourage CBO's to use e-mail and the web by eliminating the use of paper mail.
- Help CBOs pool resources to hire a single person or group to advise, and educate them on technology related issues.



Community-based Organizations Ideas

- Assess the current use of technology in the County's CBOs and their needs.
- Introduce a community portal that expands access and utilization of a variety of applications, including smart cards.
- Organize a major event to present the data warehouse concept to the CBOs, including health and social service providers, to obtain their buy-in.
- Develop train-the-trainer workshops to help agencies take advantage of the resource and explain the benefits to clients.



Government Ideas

- Improve the ability to conduct business with government over the Internet, like permitting, purchasing, and payments.
- Develop more e-government applications that provide value to the consumer.
- Allow the donation of appropriate surplus computers to non-governmental organizations and individuals
- Seek grant funding to improve the technology infrastructure and information technology support functions.
- Develop community information campaigns to educate the community on the importance of technology issues.
- Grow the Information Technology Department and increase employees' skill levels to support day-to-day business functions and e-government initiatives.



Government Ideas

- Initiate and complete a new Information Technology strategic plan to improve all automated systems and re-engineer manual procedures and how departments collaborate.
- Increase high-speed data and Internet access for all government locations.
- Develop policies to encourage real estate developers to wire new buildings and communities for high-speed services.
- Put council and fiscal court meetings on the Internet for video streaming.
- Create a partnership of public and private entities to develop a regional portal.



Tourism, Recreation and Parks Ideas

- Improved/correct local links and identification
- Establish a Countywide Web portal site to share information, market the community, list attractions, list hotels, and a calendar of events.
- Encourage more local companies to sell their goods and services online to promote local businesses and increase sales.
- Develop affordable, high-speed services for rural parts of the County.
- Develop a community portal page to promote tourism in the County.
- Use technology to market the County attractions to potential in-state and out-of-state tourists.



ConnectKentucky Agriculture Ideas

- Establish and/or improve broadband in the rural parts of the county.
- Provide technology training for the farm labor community.
- Create an e-Ag task force to expose the businesses in this industry to the benefits of advanced services, the availability of services in the County, and the availability of distance learning opportunities.
- Improve educational opportunities for all agriculture related businesses.
- Expand the number of applications and services available online.



ConnectKentucky Agriculture Ideas (cont.)

- Improve product information and education resources for agriculture.
- Attract grants to help the County Department of Agriculture develop its own systems and create network-based applications such as on-line pesticide application permits.
- Create a job database for farm workers (Residential & Migrant) to help them find work. Migrant workers also need information on how to find local healthcare and other services where ever they are working.
- Bring government and agriculture together to identify opportunities to develop online applications to streamline routine services including building permitting, grading permits, pesticide use permits, and others.



Questions and Comments

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