



## Higher Education Programs Strategy

OneCleveland is all about opportunities to:

- improve the efficiency of our governments and nonprofit institutions
- improve our research and educational systems
- enhance our healthcare services
- narrow the digital divide
- create a regional competitive advantage that can transform Northeast Ohio into a generator of innovation and wealth – just as it was in the first half of the last century.

OneCleveland is a next generation regional community network that serves as a platform for many collaborative initiatives that will help improve the quality of life and prosperity in the region. Its potential is only limited by our community's imagination.

### **Mission and Purpose**

Institutions of Higher Learning utilize the internet in diverse and groundbreaking ways. These universities use these connections for back office and data management, video conferencing for business and distance learning, research and development, wireless access for students and faculty, and much more. The costs of such connections are prohibitive and increase each year. What might universities be able to do if they could have almost limitless internet speeds within their region as well as access to the National LambdaRail (NLR), a major initiative of U.S. research universities and private sector technology companies to provide a national scale infrastructure for research and experimentation in networking technologies and applications? OneCleveland provides this type of access to help transform how universities think, utilize and live on the internet.

OneCleveland as a neutral party, provides a forum for innovation and collaborative across public and private education, healthcare and research organizations. As a provider of ultra broadband networking services, OneCleveland could create opportunities for the creation of new paradigms for information services, learning and research amongst the various institutions within the region focused on higher education and K-12 learning. In addition, OneCleveland provides a neutral ground for the exchange, mediation, security and distribution of information. Our purpose will be to identify opportunities and those initiatives that have been or are in the process of being developed that can be supported through collaboration, pilot demonstrations or funding.

### **Objectives**

- Facilitate ultra broadband connectivity for all higher education institutions in the region
- Identify, develop and facilitate new discussions and collaborations for using information technology and the internet to increase the impact and success of research and education.
- Identify and facilitate points of collaboration between education, healthcare, culture and research
- Facilitate opportunities to create, test, evaluate the feasibility of prototype approaches and share regional best practices
- Provide university faculty and program managers with new tools that will allow them to expand their reach into the community



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- Provide universities the opportunity to collaborate with each other and develop new models of learning and operating that leverages the strengths of each institution
- Provide universities with potential back office and redundancy of their mission critical data applications in the event of a crisis or service disruption
- Connect universities to national technology thought leaders to help them develop new applications for the internet that places NE Ohio higher education in a nationally recognized leadership position

### Current Projects

- OneCleveland has partnered with MetroHealth and Cuyahoga Community College to develop a healthcare outreach program to address the healthcare disparities within Cuyahoga County leveraging a donation of \$1 million from Sun Microsystems for a community computing network..
- OneCleveland access has allowed Case Reserve University to increase their usage because by offering free WiFi wireless access to the university and surrounding community, at a much lower cost

### Projected Outcomes

- **Reduce Cost:** Lower cost of ultra broadband connectivity while increasing usage.
- **National Pilots:** Connecting universities to national technology leaders for innovative prototypes and projects.
- **Educational Outreach:** Provide a direct intranet connection between universities and K-12 schools at ultra broadband speeds for distance learning outreach and video conferencing applications.
- **Regional Collaboration:** Connecting universities in collaborative projects on common and neutral ground.
- **Innovation:** Create a technology sandbox for faculty and students looking to experiment with breakthrough methods of using significant broadband access
- **Connectivity:** Allow universities to transfer massive amounts of data for data process or research purposes
- **Community Connections:** Provide a direct intranet ultra broadband link to hospitals, governments, cultural institutions, schools and libraries on the OneCleveland network.