



St Elizabeths East

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Responses to Questions for the Request for Expressions of Interest for an Academic and Research Anchor

July 3, 2013

- 1. Please provide any additional information regarding the specific broadband capacity and connectivity options on the St. Elizabeths East campus? To date, the only information posted on the response to questions site (<http://www.stelizabethseast.com/wpcontent/uploads/2012/05/Responses-to-Questions-to-University-REFI-.pdf>). Are these conduits provided either by Verizon or possibly by the District? Finally, please provide specifications for bandwidth and connection options.**

Presently, Verizon has standard copper wire connection available and that is the "standard" free service available. T-1 lines are available and there is fiber optic available for East Campus. Verizon has supplied fiber optic connections to the Coast Guard on West Campus with an upgrade charge. Also, the new St Elizabeths Hospital on East Campus has a fiber optic connection from VERIZON. Verizon also has indicated that if there were more than 50 residents interested, there could potentially be Verizon FIOS on the East Campus. It is already available in the area and would be supplied at an upgrade charge as well.

In addition, operated by the District of Columbia Government under the Office of the Chief Technology Officer, the DC-Net fiber optic network serves government and non-profit education and health anchor institutions in the District. Through its recent DC-CAN project, DC-Net was the first municipal government network in the U.S. to go live with 100 gigabit-per-second service. To date, it has connected over 200 community-based anchors including George Washington University, Howard University, the University of the District of Columbia, and major health care provider facilities throughout the District.

DC-Net has significant fiber presence along Martin Luther King, Jr. Boulevard and Alabama Avenue at the St. Elizabeths East site, which ties directly into the 100 Gbps network core. It has a major point of interconnection at the Unified Communications Center located just north of the campus on MLK Blvd. Since 2010, DC-Net has provided gigabit, fiber-based networking and converged IP telecommunications services to the DC Department of Mental Health St. Elizabeths facility on the East Campus. DC-Net is also designing the outdoor Wi-Fi solution at the Innovation Hub and popup retail area at the MLK entrance to the campus.



In addition to its prevalent fiber infrastructure in the St. Elizabeths area, DC-Net is serving as the local connection to the newly forming Capital Area Advanced Research and Education Network (CAAREN) based out of the George Washington University. Planned to be operational in 2014, this network will enable universities and research institutions at the site to connect to Internet2—a community of U.S. and international leaders in research, academia, industry and government who create and collaborate via innovative technologies.

DC-Net is also working with US Ignite—a non-profit started by the National Science Foundation that fosters the creation of next-generation Internet applications that provide transformative public benefit—to support innovative application development, research, and innovation. Through this partnership, DC-Net can connect research and development institutions and other partners to the GENI (Global Environment for Network Innovation) network, enabling them to take advantage of, test, and help develop Internet applications of tomorrow.

While DC-Net's highly available, cost-effective fiber-based services are unsurpassed, the real value for universities and research institutions of DC-Net services lies in the District government's visionary commitment to establishing and supporting the technology-infrastructure vital to spurring innovation in a 21st-century economy.

Finally, respondents should note that the DC Department of Transportation plans to release a Request for Proposals (RFP) to the shortlisted firms for the Stage 1 Infrastructure Improvements for the St. Elizabeths East campus. The RFP will be released during the Summer of 2013, and additional detailed information on the infrastructure improvements will be included in the RFP.

