Community Connectivity Consortium (C3) Pilot Project Report and Update on Digital Equity Efforts -
Digital Equity Pilot with Dimmit Middle School

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Update on Report Stimulus – C3 Proviso Report

This is an update to King County Ordinance 18295, Section 2 requesting the executive undertake one or more pilot projects to use the C3 [fiber optic network around Lake Washington] to expand access to high-speed broadband service within the unincorporated areas of King County that have been underserved by high-speed digital technology.

Criteria for School Participation (used KC ESJ, WA Office of Superintendent of Public Instruction, and federal broadband data)

- Greater than 50 percent of Schools students populations receives free and reduced priced lunch

- Communities have limited communications infrastructure (Internet at home, fiber, cellular coverage)

- Areas where families earn less than $50,000 per year or where annual household median income is less than $50,000 per year (i.e. 200 percent of the U.S. poverty level)

- Schools are within the targeted communities of Best Start for Kids, Community of Opportunities (OCC), Youth Action Plan programs and County's ESJ

- The above criteria aligns with directions in King County Ordinance 18295, Section 2

Dimmitt Middle School – Selection based on above criteria and alignment with their 1:1 laptop program

Dimmitt Middle School Student Pilot Status

Initial Implementation –Renton School District's new 1:1 laptop program provides students in 8th grade with a new laptop for access to school assignments, homework online and other school resources. District conducted surveys of student at Dimmitt shows up to 25% of students don't have internet at home.

Test new Verizon LTE service capability for;
- Mobile user
- Fixed user
- Fail-over use

Renton School District Agreed to participate
- Selected Dimmitt MS
- Up to 301 students
- Use I-Net and C3 assets

Implementation Planning during Summer Break
- School purchasing laptops
- Complete testing of connections w/school laptops
- After successful test, activate devices & data plans
- School roll out laptops for start of school year
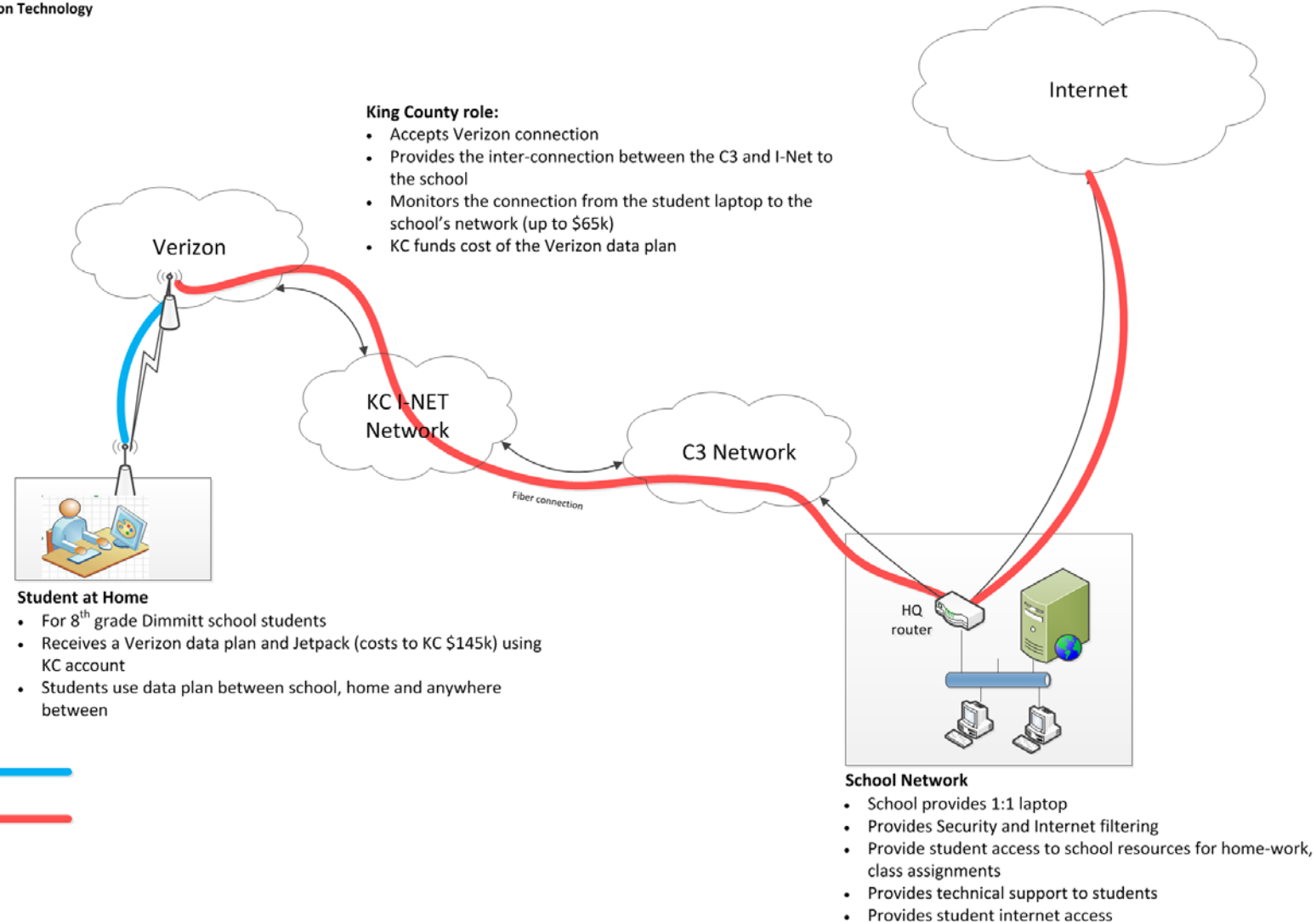
Q4-2016	Q1-2017	Q3-2017	Q4-2017

LTE Network, I-Net , Dimmitt, C3 Partnership

King County
Department of Information Technology
Networks

- School District uses its own internet services to connect students to the Internet

Internet

King County role:
- Accepts Verizon connection
- Provides the inter-connection between the C3 and I-Net to the school
- Monitors the connection from the student laptop to the school's network (up to $65k)
- KC funds cost of the Verizon data plan

Verizon

KC I-NET Network

C3 Network

Fiber connection

HQ router

Student at Home
- For 8th grade Dimmitt school students
- Receives a Verizon data plan and Jetpack (costs to KC $145k) using KC account
- Students use data plan between school, home and anywhere between

School Network
- School provides 1:1 laptop
- Provides Security and Internet filtering
- Provide student access to school resources for home-work, class assignments
- Provides technical support to students
- Provides student internet access

LEGEND:

Verizon LTE

Fiber

Equity Benefits

School district will provide school performance data for students participating in this project.

By implementing our program students will not be limited to just using the laptop at school via Wi-Fi but, have always-on accessibility to the Internet at home using INET/C3/RSD networks.

Address inequities and broadband access for the Skyway community for 301 8th grade students at Dimmitt Middle School.

This effort aligns to target areas of Best Start for Kids and Equity & Social Justice initiatives.

Reduce wireless access and services costs for students and school district.

Results of the initial implementation will provide operational insights, best practice scalability lessons.