



The Seattle Public Library

Jonathan Chambers
Chief, Office of Strategic Planning & Policy Analysis
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

7 July 2014

Dear Mr. Chambers,

As per our phone call on July 3, 2014, included here are costs related to 2 major internal networking projects recently conducted by The Seattle Public Library.

I previously shared the wireless costs data with you via email. In addition to those, I have included costs related to the network infrastructure project we completed throughout 2011-2012.

The total cost, including tax, of these two projects is nearly \$2.45M. This illustrates the “\$2 million to \$3 million over five years” figure I cited in my July 1, 2014 letter to FCC Chairman Tom Wheeler. The costs listed here are not inclusive of annual licensing, maintenance, and support, which would add nearly \$200,000/year over 5 years.

These projects combine to provide high-density wireline and wireless services to 27 public library buildings in the city of Seattle, which comprise almost 633,000 square feet of space. This number excludes adjacent exterior spaces such as sidewalks, plazas and parking lots, which are currently covered by the library’s Wi-Fi signal and are used by library patrons and for library programs. The total internal connectivity costs of providing robust and reliable Internet service to our community is, therefore, closer to the \$4/square foot figure cited earlier than the \$1/square foot rate currently proposed.

As we discussed, Wi-Fi coverage and performance are functions not only of area but also users, contention, and other issues. Using only area as a method of allocating funds for libraries to provide wireless Internet access does not account for the density of use in urban libraries, which tend to accommodate more patrons in less overall space.

I am sympathetic to the needs of the Commission to achieve a funding methodology that is easy to administer. However, I also believe strongly that it makes logical sense to take library visitor traffic into account in some manner when allocating E-Rate funds. In response to your stated concerns about libraries’ motivations for increasing foot traffic in order to qualify for additional funds I want to note that not only The Seattle Public Library but all libraries have a

well-deserved reputation for accuracy and accountability in our operations and in reporting usage data. If Seattle, or any library, does attract more visitors, whether digitally or on premises, we would regard that as a success of our mission and not a manipulation of your system.

Respectfully submitted,



Jim Loter
 Director of Information Technology
 The Seattle Public Library

Total internal connectivity costs for The Seattle Public Library 2011-2014

Wireless Project (2014)

Item	Description	Qty	Ext. Price w/ Disc.
AIR-CAP3702E-A-K9	Cisco 802.11ac AP 4x4 (ext ant)	126	125,756.82
AIR-CAP3702I-A-K9	Cisco 802.11ac AP 4x4 (int ant)	304	259,053.60
AIR-RM3000M	Spectrum Intelligence Module	63	17,955.00
L-MSE-PAK	Location Services Licenses	n/a	73,122.90
AIR-CT5760	Wireless Controller	2	72,618.00
Various	Cisco Prime Infrastructure	1	23,534.70
ASA 5585-X	Firewall	2	50,802.74
N/A	SmartNet Service	1	80,000.00
Total	Equip + Licensing		702,168.96
	Cabling for Central Library (est)		170,000.00
	Cabling for Branches (est)		50,000.00
Total	Cabling Services		220,000.00
Total Project Costs			922,168.96

Wireline Project (2011-2012)

Item	Description	Qty	Ext. Price w/ Disc.
4510RE-S7 Switches	Summary of all modules (CEN)	8	279,191.04
4506E-S7L Switches	Summary of all modules (Branches)	27	768,693.19
4506E Switch	Summary of all modules (Data Center)	1	27,640.34
3750X Switch	Summary of all modules (Data Center)	1	24,315.57
Cisco Nexus 7000 Router	Summary of all modules (CEN/System)	1	456,526.87
Cisco Nexus 7000	Chassis only – Colocation Facility	1	43,834.00

Router			
OEM Maintenance	Maintenance & support	1	65,384.24
Total	Equipment and maintenance		1,665,585.25
	Competitive Discount		-189,084.05
	Trade-in Credit		-231,492.30
Total	Discounts		-420,576.35
Total Project Costs			1,245,008.89

Grand Total: \$2,237,177.85

Figures above do not include 9.5% sales tax (\$212,531.90)

Grand Total with tax: \$2,449,709.75