

March 13, 2014

Ms. Marlene H. Dortch
Secretary
Federal Communication Commission
445 12th Street SW
Washington, DC 20554

Re: Notice of *Ex Parte* Communication, WC Docket No. 13-184

Dear Ms. Dortch:

On March 5, 2014, Monica Shultz and John Sarmiento of the Peninsula Library System and Marijke Visser of the American Library Association spoke via telephone with Soumitra Das, Chas Eberle, Lisa Hone, and Mark Walker of the Federal Communications Commission. The purpose of the call was to discuss local area network (LAN) infrastructure and costs for libraries. The following topics were discussed.

- *Network Overview.* Peninsula is a consortium of 35 public and community college libraries from 9 jurisdictions in San Mateo County, CA. All branches are in the process of upgrading to 1 Gbps fiber connections to a wide area network (WAN) with a 10 Gbps Internet access connection at the head end. Peninsula currently purchases service from AT&T at a rate of \$780/month for each 1 Gbps WAN circuit and \$3,498/month for the 10 Gbps Internet access connection. Peninsula is also part of the pilot program through which libraries will be able to connect to the CENIC (Corporation for Education Network Initiatives in California) backbone. This has lowered WAN circuit costs from \$1,400/month for a 20 Mbps circuit to \$780/month for 1 Gbps. CENIC also manages E-rate filing for Peninsula.
- *LAN Design and Costs.* Peninsula recently upgraded to Aerohive Networks dual radio 802.11n wireless access points (WAPs) with improved load balancing capabilities. Peninsula paid \$565/WAP, including warrant and maintenance contract, for the recent bulk purchase. There are approximately 97 WAPs across all branches (Peninsula will provide an inventory of all LAN equipment). Mr. Sarmiento personally installs new WAPs as needed at a cost of \$900-1000 each. Prices for the WAPs include Aerohive's cloud-based controller and server.
- *Network Management.* Peninsula averages 2,000-3,000 unique WiFi users per day, 5,000 including wired connections, across all 35 branches. Peak usage is around 3 pm, when students arrive after the end of the school day. The library-provided computers at each branch are in nearly constant use from opening to closing each day.

