

June 16, 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:

As part of the above-referenced rulemaking, Commission staff requested information from several school district and state agency officials regarding wireless local area network (WLAN) maintenance costs, the expected life cycle of WLAN equipment, the number of classrooms in their districts and states, and the costs and savings of transitions to hosted voice over Internet protocol (VoIP) phone service. The following information summarizes the responses staff received.

WLAN maintenance costs and life cycles for protocol data unit (PDU), uninterruptible power supply (UPS), drop cables, and internal wiring.

- Burlington Public Schools (MA)
 - Maintenance cost as a percentage of equipment costs: 10% warranty on equipment plus staff time
 - UPS/PDU life cycle: 3-5 years
 - Drop cable life cycle: 5-7 years
- Fairfax County Public Schools (VA)
 - Maintenance cost as a percentage of equipment costs: 15%, including software for 10,600 controller-based wireless access points.
 - UPS/PDU life cycle: 5 years
 - All cabling life cycle: 15 years
- Lamar County School District (MI)
 - Maintenance cost as a percentage of equipment costs: 5%
 - UPS/PDU life cycle: 5-7 years
 - Internal copper wiring life cycle: 8-10 years
 - Internal fiber wiring life cycle: 10-15 years
- Township HS District 214 (IL)
 - Maintenance cost as a percentage of equipment costs: 4.5%
 - UPS/PDU life cycle: 3-5 years
 - Internal fiber wiring life cycle: 20 years
- School District of Waukesha (WI)

- Maintenance cost as a percentage of equipment costs: 20%
- UPS life cycle: 5 years
- PDU life cycle: 7 years
- All cabling: 10+ years
- Worcester Public Schools (MA)
 - Maintenance cost as a percentage of equipment costs: 10%
 - UPS/PDU life cycle: 3 years
 - Drop cable life cycle: 6 years
 - Internal wiring life cycle: 10 years

Total classroom counts and square footage.

- Arkansas: 21,556 classrooms (586 schools)
- Georgia: 109,363 classrooms (2,212 schools)
- Hampton Township School District (PA): 242 classrooms; 597,000 sq. ft (5 schools)
- North Carolina: 93,689 classrooms (2,421 schools)
- Ohio: 74,591 classrooms (~2,486 schools)
- Round Rock Independent School District (TX): ~3,000 classrooms; 7,054,248 sq. ft (50 locations)
- Township HS District 214 (IL): 698 classrooms; 2,042,858 sq. ft. (6 locations)
- School District of Waukesha (WI): 1,049 classrooms; 2,126,024 sq. ft. (23 locations)
- York County Public Schools (VA): 813 classrooms; 1,716,546 sq. ft. (19 schools)

Cost of transition to hosted VoIP service and comparison of monthly recurring costs before and after the transition.

- Ramona Unified School District (CA)
 - Pre-transition monthly costs: ~\$13,500
 - VoIP monthly costs: ~\$10,160
 - Transition costs: ~\$18,500
- Reynolds Unified School District (OR)
 - Pre-transition monthly costs: ~\$8,500
 - VoIP monthly costs: ~\$3,000
 - Transition costs: ~\$116,000 (\$71,900 install/configuration; \$44,342 to purchase phones)
- Township HS District 214 (IL)
 - Internally-managed VoIP, no hosting
 - Pre-transition monthly costs: \$34,428

- VoIP monthly costs: ~\$6,500 (\$6,250 for one full time employee to manage the system, \$250 for primary rate interface (PRI))
- Transition costs: \$1,164,949

Respectfully submitted,

 /s/

Charles Eberle

Attorney-Advisor, Telecommunications Access Policy Division, Wireline Competition Bureau