

Computer Team
1/9/13

Computer delivery:

What will be delivered:

Computer

Keyboard

Monitor

Mouse

Lock and cable (\$10 charge to each hi-rise for those)

Possible issue securing new monitors.

Could use Jet Weld or other epoxy. (Loc-Tite)

Sites that need help:

Valley, Exchange: Greg

Central, Edgerton, Iowa: Melissa

Neill: Tom

Computers will be delivered in the next week to ten days.

Credit for mice: Use for Kensington locks or routers.

Buildingwide wireless:

All buildings are or should be wired for broadband. A proposal was put to PHA to provide access to each apartment.

That would be good for residents. There would be a large cost and a lot of potential problems.

Another option is if PHA arranged for free or subsidized Internet through a provider like Comcast.

Residents who wanted Internet would sign up through the provider and the charge if any would show up on the rent statement. There would be no management or liability for PHA this way.

Possible providers are Comcast, Charter, Centurylink.

Concerns are network management, compliance with six strikes anti-piracy plan and incident reporting. Also possible issues with bandwidth use.

Cost of providing wireless would be around \$400 a month.

Speed should be 1 gigabit a second. Bandwidth should be scalable up to 2 or 3 gigabits a second.

100 to 200 megabit connection.

Bandwidth could be scaled so no person could go over 200-250 megabits a second. It could be throttled after a certain point or in peak hours.

Checking with firms that provide infrastructure like this would be good.

Doing a pilot program was suggested. A walkthrough could be done and building plans looked at.

Telecom construction. (One possible firm that could do this.)

A requirements matrix is needed.

Category 1: requirements
Category 2: nice to have
Category 3: not essential

Megahertz network. Channel 20.

Healthnuance.com

First question is how to get cheap bandwidth. Bandwidth will be the biggest cost.

This is a tremendous opportunity. It will improve the quality of services available to residents. It would also offer new options to PHA.

There are also significant risks.

Upfront costs estimate(Mocha or other network): \$12,000 per building for routers and switches. (2 enterprise class WLAN access points per floor for an eight floor building.)

Pilot program could offer services to a whole building or at least 1/3 of the residents in the building. It would give information on best practices, costs, liabilities.

Repeaters are not the best option with the bandwidth we have now. We would need a much stronger service to provide wireless to a whole building.

Xirrus wi-fi inspector. Free download.

We need to find a company that would lease bandwidth at a good price. 500 gigabits a second is the minimum.

Residents' needs and interests need to be looked at.

Distributed learning is a possibility. Also services like telemedicine.