Technology Plan
Bonner Springs City Library
March 2015

Computer and related equipment in service Jan 2015

Use/description	qty	brand/model	acquisition type	new or built/bought
Public computers	25	Dell 760	new	2009
Public notebook	2	Dell 6400	refurb	2009/2013
Public access printer	1	HP 4700	new	2009
Public access copier	6	RICHO		
OPAC computers	5	Dell 780	refurb	2009/2014
OPAC computers	1	Dell 280	new	2003
Childrens computers	2	AWE	new	2009
Childrens computers	2		new	2012
Childrens computers	1	AWE	new	2014
Childrens tablet	1		new	2015
Circ Desk 1, 2, 3	3	Dell 780	new	2010
Circ 4	1	Dell P 390	refurb	2007/2010
Circ 5-camera monitor	1	Dell 520	new	2006
Staff computer	5	Dell 780	new	2010
Staff computer	2	Dell P 390	refurb	2007/2010
Staff computer	1	Dell 745	new	2001
Director laser printer	1	HP 4100n	new	2001
Staff notebook	1	Dell E6410	refurb	2010/2013
DVD carosel	26	ZIO	new	2009-2014
Staff MFP	1	RICOH	new	
File server	1	Dell PE 840	new	2008
File server	1	Dell PE T310	new	2010
Lock system server	1	Dell 270	new	2004
EWARE server	1	Dell 960	refurb	2009/2013
DeepFreeze server	1	Dell 745	new	2007
Dan's pc	1	Dell 960	refurb	2013
Camera server	1	Sony NSR-1050H	new	2009
Camera IP	6	Sony	new	2009
Camera analog	2	Sony	new	2010
Camera IP	2	Sony	new	2014
Network Switch	3	Cisco 3550	refurb	2003/2009
Network Switch	1	Netgear	new	2014
Firewall	1	Cisco ASA 5505	new	2009
Wireless system	1	Bluesocket BSC-600	new	2009

Wireless system	4	access points	new	2009
spare or test	3	Dell 760	new	2009
UPS circ desk/admin	5	APC 750	new	2009
UPS network rack	2	APC 750	new	2009
UPS server rack	1	APC 1000	new	2002
telephone system	1	AVAYA Partner 508	new	2009
telephones	16	AVAYA	new	2009
Projector community room	1	Mitsubishi XD2000	new	2009
Projector portable	1	Infocus LP540	new	2006
TV shelter	1	Samsung LN40D500	new	2013?

Technology Priorities

Front-Line Computer Refresh

The average life expectancy of hardware is three to five years.

http://www.networkworld.com/article/2316063/network-security/when-to-upgrade.html

Our library building project included new computers that are now passing the five-year-old mark and will need to be replaced. We have sufficient capital improvement funds on hand but understand that those resources also need to cover a general facilities plan. The current plan, as budgeted, is to replace one third of the front-line computers a year for three years at a cost of $8,000 per year. Input from our computer consultant, showing alternatives with lower costs, is below:

> Depicted below is a quote from SoftChoice for Dell computers, obtained in December 2014. I also asked for a comparable Lenovo model, like those in use at Lawrence Public, but they were actually more expensive than Dell. Later on the pricing may be slightly different, possibly even lower, or the computer may be "better" than now, but this will provide a good example. I would expect the price to be about this much regardless of vendor (Dell or Dell authorized vendor).

> The computer specified is a Dell "ultra small form factor" computer, similar to those in public use today. This is for the computer, keyboard, and mouse, but NO monitor, to keep costs down. We would have to devise a mounting method to secure the new computer to the existing monitor stand, or since this is a small computer it could be placed on the table top next to the monitor. A new monitor would add roughly $200 per unit.

> Bear in mind that the "FMV Financing Option (Car Lease type)" option will setup a scenario at the end of the lease period that will require replacement of the computers and return of the leased units. I am sure that the change over is flexible and negotiable, but by definition there is

an arbitrary date when the units are expected to be returned. We are currently entering year 6 of the bulk of our computer hardware. Changing at 4 years might be a little early.

The actual costs are the same at the end of the "contract", only the monthly expense is changed according the length of the contract.

BSCL has been using Dell computers since at least 1998. The reliability of the Dell equipment has been outstanding. When he have had the odd problem support has be exceptional.   We also buy enterprise grade computers that are more rugged and last longer than consumer grade (Walmart, NFM) equipment. This enterprise grade equipment does not cost a great deal more, and buying from Dell or a Dell vendor may get a price that is even lower than seemingly comparable consumer grade equipment.
Vendor: Softchoice

Dell Micro (30 each) (24 public computers, 1 Kansas Room computer, 4 OPAC computers, 1 spare/development computer)

Cost per computer $644.00

The Finance Pricing (lease to own)
Total Cost: $19,320
12 Monthly Payments: $1,695.14
24 Monthly Payments: $875.97
36 Monthly Payments: $599.89 - $7198.68/year

The FMV Financing Option (Car Lease type) Shipping to return cost included,
Total Cost $19,320
24 Month Term: $720.06
36 Month Term: $527.82
48 Month Term: $443.59
60 Month Term: $404.95

If we were to replace 1/3 of our public computers each year over 3 years the cost would be, based on the pricing above, $6440.00 per year.

At the end of 3 years we would have 3 different models of computers, and of course the last year the last batch of old computers would be entering their 9th year of service.

Purchasing the public computers at one time and paying for them over a fixed length of time seems a more practical solution. The 3 year term seems fairly manageable.

Several potential grantors have also been identified, and we will submit grant proposals for the technology refresh before committing capital improvement funds, if the proposals are not successful, later this year.

Focus on Staff Training

With one 25-hour position coming vacant, we will look at hiring an associate whose focus is on helping patrons with technology (one-on-one and eventually in classes) and training other staff on new technologies. We will be looking for someone very comfortable with downloadable and streaming content as well as with portable devices.

Last year we purchased a variety of devices so that staff can use and become comfortable with them. As soon as our IT consultant has them ready, staff will begin to work with them.

Public Programs

With this reconceived position, we will begin to offer public programs, including basic computer help and get to know your library presentations on the catalog, databases, and e-content.

Acquisition of New Technology

- We received an AWE Early Learning Station tablet on a grant and need to promote it at our storytimes and other children's programming.
- Last year we bought six portable devices, an iPad, three iPad Minis, a Nook, and a Kindle, for staff to use in familiarizing themselves with new technology.
- We have written and submitted a grant proposal for an electronic sign board in the library.
- We posted an e-rate Form 470 requesting bids for a managed wi-fi system to let us track statistics on wi-fi use at the library.
- We continue to discuss an increased number of laptops as a grant-writing objective. Without them, it is difficult to offer computer classes as opposed to one-on-one sessions.

For Reference:

Bonner Springs City Library 2012-2015 Strategic Planning Goals & Objectives

Goal 1: Significantly enhance the level of library technology.
- Hire a dedicated technology staff person by October 1, 2012.
- Provide more staff technology training. Create and implement a minimum technology certification program for staff by March 2014.
- Provide no less than three computer skills training sessions to patrons beginning January 2013.
- Pursue developing an e-content collection that meets the demands of the community beginning in 2012.