Computer Refresh Program (CRP)
August 2015

➢ **Information about the CRP**

The Computer Refresh Program (CRP) began in 2015. It was established to improve the equity of computer equipment across the School District.

➢ **Reasons for the CRP**
- o Obsolete equipment costing too much to maintain
- o Too much downtime directly related to productivity loss
- o Computers too slow to provide a reasonable educational experience
- o Equity across all schools
- o District funding insufficient to keep all hardware current

➢ **Basic CRP Plan**

All teachers and staff members must have a Windows computer that is **not** older than 4 years. The plan will replace 25% of machines based on the full time equivalent (FTE) Formula. The percentage can be adjusted in the future depending on experience and need.

Replaced computers can be kept by the school or redistributed to other schools. Other computers will be "retired" over time. Departmental hardware would be replaced all at once. Currently there are eight departments so the computers in two departments per year would be replaced.

➢ **Basic Program Details**
- o FTE is considered the most equitable measure to use for employee allotment purposes.
- o Tablets, iPad's and Chromebooks are available to order
- o The price of the iPad must include the MDM license fee
- o Schools maintain authority and flexibility to purchase additional computers at their own expense providing the computers meet the minimum hardware standard.
- o Schools desiring higher-end desktops, or laptops in place of the base model, will be required to pay the additional cost of procurement from school funds each time the device is refreshed
- o Machines must be purchased and delivered; with the district image already installed.

➢ **Considerations**
- o In order to account for the greater quantity of wireless devices. The District's wireless infrastructure will need to be expanded. We currently do not have adequate wireless coverage. To expand the system, we would need to invest in additional hardware and wireless access points.
- o Our Internet bandwidth was upgraded during the summer of 2015 from 100Mbps to 400Mbps. We monitor usage, and our current peak is around 100Mbps, so there is currently room for growth. In the future, as we approach our traffic capacity, we will investigate options for increased bandwidth.

➢ **Considerations (Cont.)**
   o A refresh program for computer labs needs to be developed. A 25 desktop thin client solution including networked printer and switch is approx. $10K compared to twice that amount for individual desktops
   o September quotes priced a desktop at $784.00 and a laptop at $844.00
   o Where do I include computers for food service, custodial, nurses? In the campus count or departmental count? In the example below, they are in the campus totals.
   o Historically, teachers would get laptops, all other personnel would receive a desktop. Is that still the practice to follow?
   o Can I order 22" monitors instead of 19" units? (Approx. $30 difference). Libraries could use the larger size.

Examples using 2015-16 data

Computer pricing based on September quotes

Campus	25% of Admin. (Desktops)	25% of teachers (Laptops)	Total Devices Ordered	Total Cost
A C Jones	10	17	27	$22,188
Moreno JH	7	11	18	$14,772
FMC Elem.	5	8	13	$10,672
R. A. Hall Elem.	6	7	13	$10.612
TJES	6	7	13	$10,612
HMD ECC	7	6	13	$10,552
Tot. Dev. Ordered	41	56	97	
Total Cost	$32,144	$47,264		$79,408

These department counts do not include personnel assigned to schools.

Department	Desktop Count	Notes
Child Nutrition	5	
Central Supply	1	
Elem. Library	2	
Special Ed.	6	
Administration	16	
Technology	5	
Environmental	2	Additional computers needed
Transportation	3	Additional computers needed