School E-Rate Percentage LEGEND

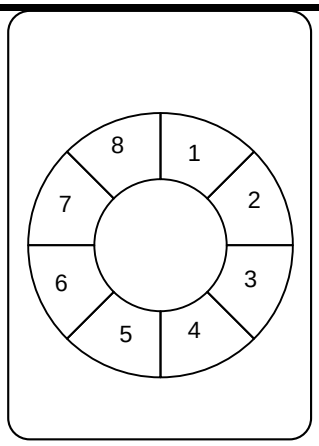
LEGEND
90% SCHOOLS
80% SCHOOLS
60% SCHOOLS
50% SCHOOLS
40% SCHOOLS
NEW SCHOOLS REQUESTED AT 76%

BACKGROUND AREA:

K-8 CENTERS
PRIMARY LEARNING CENTERS (PLC)
ALTERNATIVE SCHOOLS

Tracking LEGEND

SCHOOL NAME



1-	E-RATE PARTICIPATION (2/5 YEAR RULE)
2-	SCHOOL WAN BANDWIDTH CAPACITY
3-	WAN BANDWIDTH UTILIZATION
4-	POWER MANAGEMENT
5-	BACKBONE - 10 GIG
6-	ITS WIRELESS INSTALLED
7-	PBX UPGRADE / REPLACEMENT
8-	VOICE MAIL INSTALLED

1- E-RATE PARTICIPATION (2/5 YEAR RULE)

RED: TWO YEARS
YELLOW: ONE YEAR
GREEN: NOT USED

2- SCHOOL WAN BANDWIDTH CAPACITY

PURPLE: 100 MB
BROWN: 10 MB
BLUE: 1 GB
GREY: FRAME RELAY ONLY

3- WAN BANDWIDTH UTILIZATION (%)

RED: 100% - 80%
YELLOW: 79% - 60%
GREEN: 59% - 0%

4- POWER MANAGEMENT (%)

RED: 0% - 29%
YELLOW: 30% - 59%
GREEN: 60% - 100%

5- BACKBONE - 10 GIG

RED: NOT INSTALLED
YELLOW: SCHEDULED
GREEN: COMPLETED
BLUE: NOT REQUIRED

6- ITS WIRELESS INSTALLED

RED: NOT STARTED
YELLOW: SCHEDULED
GREEN: COMPLETED
BLUE: NOT APPLICABLE

7- PBX UPGRADE / REPLACEMENT

RED: NOT UPGRADED - WITHIN LAST 3 YEARS
YELLOW: UPGRADE PLAN IN PROGESS THIS YEAR
GREEN: UPGRADE COMPLETED - WITHIN LAST 3 YEARS
GREY: SYSTEM NOT PROVIDED BY M-DCPS

8- VOICE MAIL INSTALLED

RED: NO VOICEMAIL INSTALLED
YELLOW: INSTALLATION IN PROGRESS THIS YEAR
GREEN: INSTALLATION COMPLETED
GREY: SYSTEM NOT PROVIDED BY M-DCPS

LEGEND DETAILED DESCRIPTION

Category 1 – E-RATE PARTICIPATION **(2/5 YEAR RULE) –** The E-Rate program guidelines starting with Funding Year 8 (2005-2006), stipulate that Priority Two funds (generally referring to the purchase of Field Equipment) for any given school can only be requested twice in five years. As an example, M-DCPS accepted funds in Year 8 (2005-2006) for the purchase of equipment in 90% schools. This uses up one year for those schools involved. In Funding Year 10 (2007-2008) M-DCPS requested funds to purchase equipment for ALL schools in the district. Therefore, the 90% schools would be shown as RED, indicating that the two year allotment has been used and no further requests can be made for those schools until Funding Year 13 (2010-2011). In other cases, all 80% schools and below will be shown as YELLOW, indicating that one of the two allotted years is being used.

Category 2 - SCHOOL WAN BANDWIDTH CAPACITY – This represents the total bandwidth (Mbs) capacity provided to the site for Wide Area Network access. Every site has at least 1 T-1 Frame-relay circuit (1.5Mbs) with PVCs (Permanent Virtual Circuits) connected to three routers at ITS for redundancy. Most sites also have a Metro Ethernet connection over fiber of either 100Mbs or 10Mbs connected to a different router at ITS. The reason for two connections on different technologies is for redundancy (no single point of failure for WAN links). If a site has Frame-relay circuit(s) only, this section is Grey, sites with Frame-relay and 10Mbs MetroEthernet are Brown; sites with Frame-relay and 100Mbs MetroEthernet are Purple; and sites with Frame-relay and 1000Mbs MetroEthernet are Blue.

School WAN Bandwidth Capacity = "10 Mbs NMLI", "Brown",
School WAN Bandwidth Capacity = "100 Mbs NMLI","Purple" ,
School WAN Bandwidth Capacity ="Frame-Relay Only", "Grey",
School WAN Bandwidth Capacity ="1000 Mbs NMLI","Blue"

Category 3 - WAN BANDWIDTH UTILIZATION PERCENTAGE – This represents the usage of available bandwidth during normal business hours (8:00am – 3:00pm; Monday-Friday) for the last 30 days. This usage is for general Internet traffic, email, and all other district applications. If the bandwidth utilization is below 60%, this section is Green; over 60% and less than 80%, this section is Yellow; and over 80%, this section is Red.

WAN Bandwidth Utilization Percentage >0 and WAN Bandwidth Utilization Percentage <= .5999999, "Green",
WAN Bandwidth Utilization Percentage >= .60 and WAN Bandwidth Utilization Percentage <= .79, "Yellow",
WAN Bandwidth Utilization Percentage >= .80, "Red"

Category 4 – PC COMPLIANCE TO DISTRICT STANDARDS – The compliance indicated in segment 4 of the Donut Chart is a measure of whether the desktop computers and servers at the school are compliant with district standards for patch management and virus protection. To comply with the patch management requirement the computers must be running BigFix. To comply with the virus protection requirement the computers must be running Sophos Antivirus. Schools must have 90% or more compliant computers to be green, 50-89% to be yellow or 49% or less to be red. If a Tipping Point device is installed, the school is considered compliant.

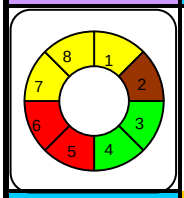
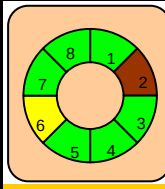
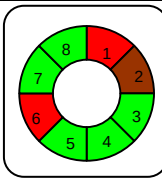
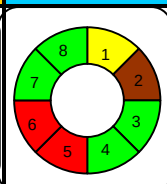
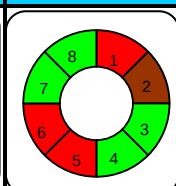
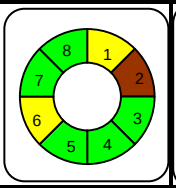
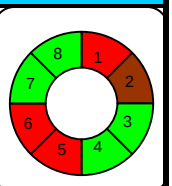
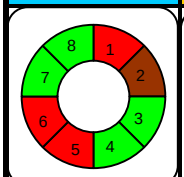
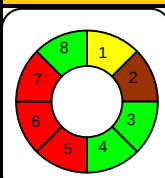
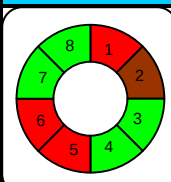
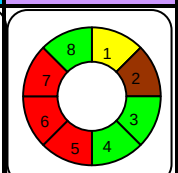
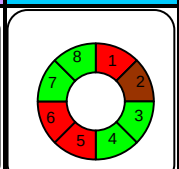
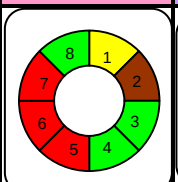
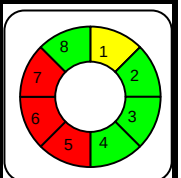
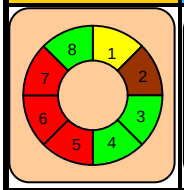
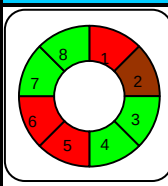
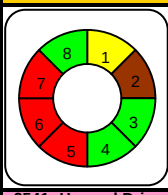
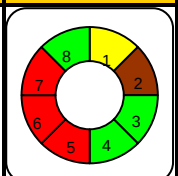
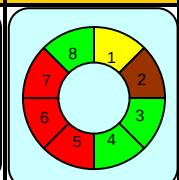
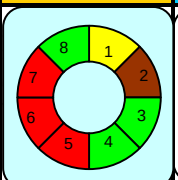
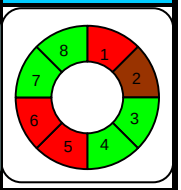
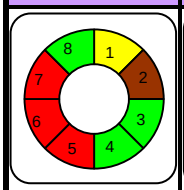
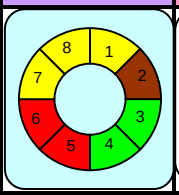
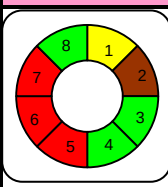
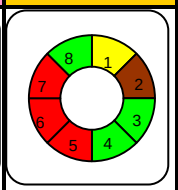
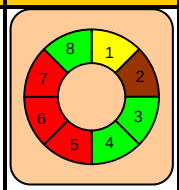
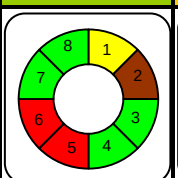
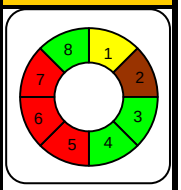
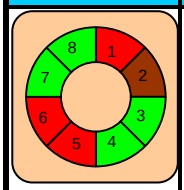
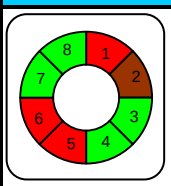
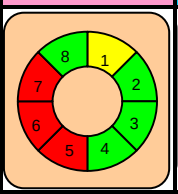
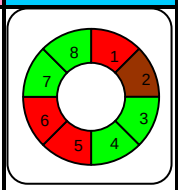
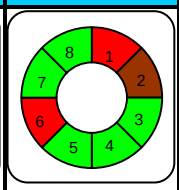
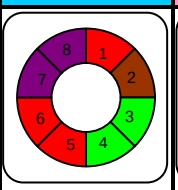
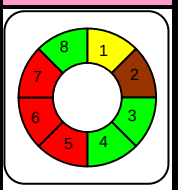
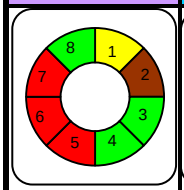
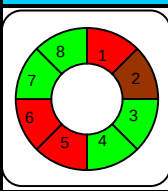
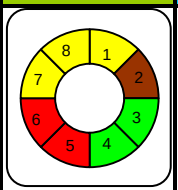
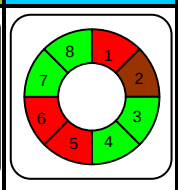
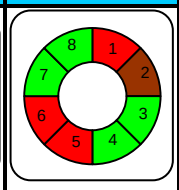
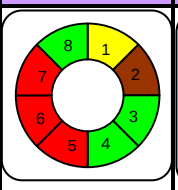
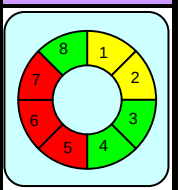
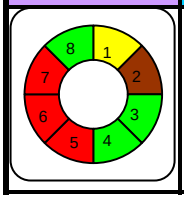
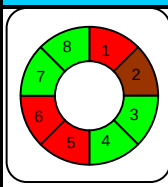
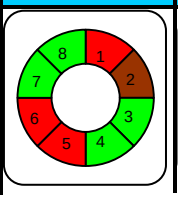
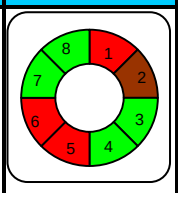
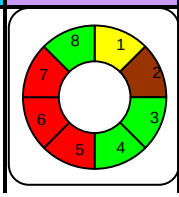
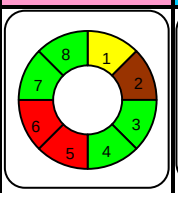
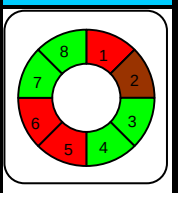
Category 5 – SCHOOL FIREWALL – Tipping Point provides stateful access control rules based on source and destination IP and port and protocol as tradition firewall would. Tipping Point can also provide application control for Peer-to-Peer, spyware, instant messaging, and other unwanted applications. Tipping Point goes beyond what any traditional firewall can provide, giving protection against vulnerabilities in applications and operating systems. A Tipping Point firewall has been purchased for every school. Every school is scheduled to have a Tipping Point firewall installed August 2007.

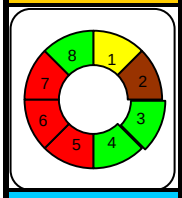
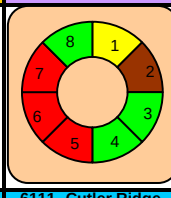
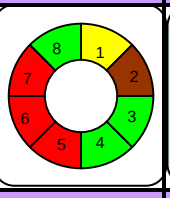
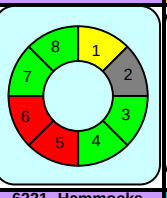
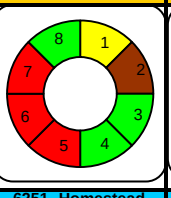
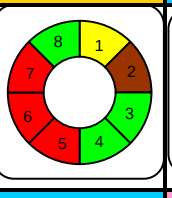
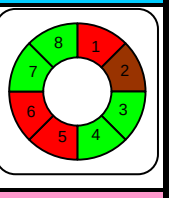
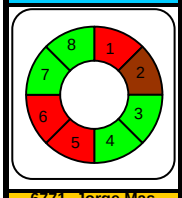
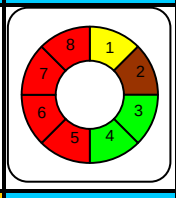
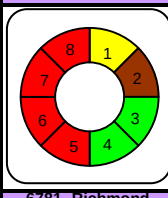
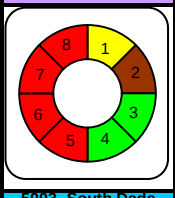
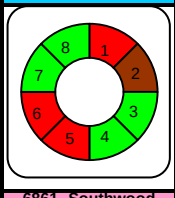
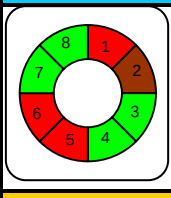
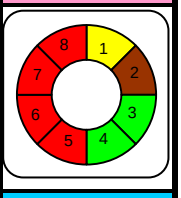
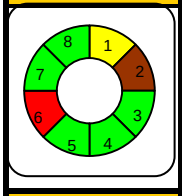
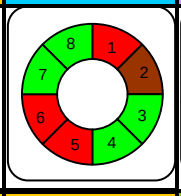
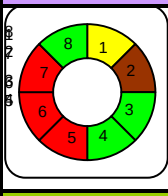
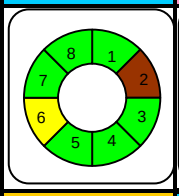
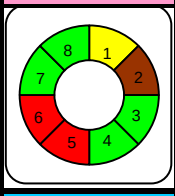
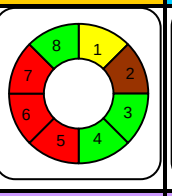
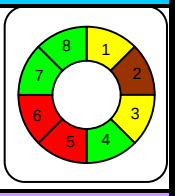
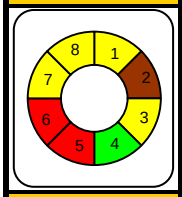
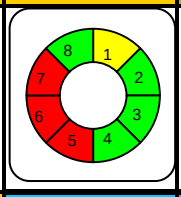
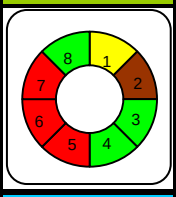
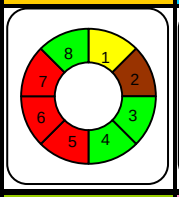
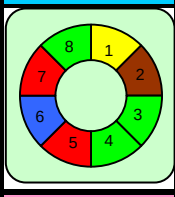
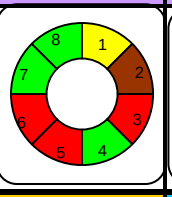
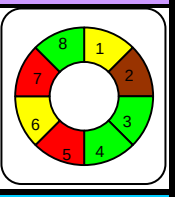
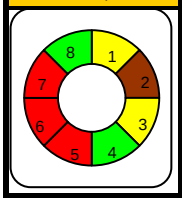
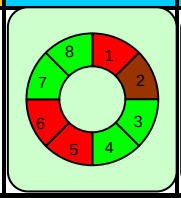
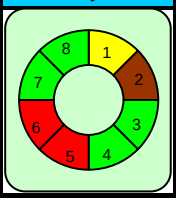
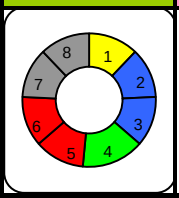
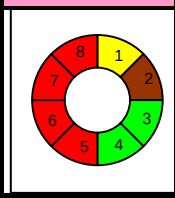
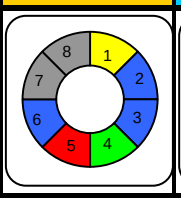
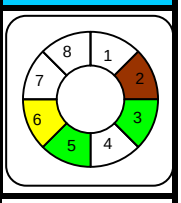
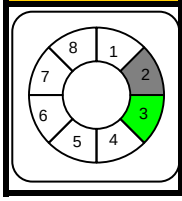
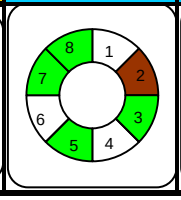
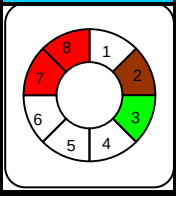
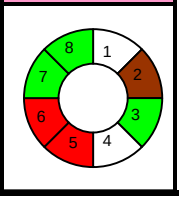
Category 6 – ITS WIRELESS INSTALLED – Technology is rapidly moving away from the traditional wired infrastructure. The portability of wireless ensures agile content delivery to meet the needs of our dynamic student population. Laptops are now becoming the norm for staff and high school students in addition to PDA devices. We are currently standardizing on providing localized wireless connectivity within the main office, cafeteria, auditorium, media center and PE area. For those schools that have benefited from new construction, QZAB or E-Rate grants, category 6 will be green if all the locations described above have wireless connectivity. Yellow signifies that funds have been identified and there is a plan in place to provide wireless connectivity to all the locations described above. Unfunded locations will be designated by red. Some locations do not warrant wireless due to their size or function. For those, category 6 will be blue.

Category 7 – PBX UPGRADE / REPLACEMENT - ITS identified a plan to replace equipment installed almost a decade ago leveraging Federal funding dollars provided by the Schools and Libraries Division (SLD) E-Rate. The plan, if fully approved would provide state of the art telecommunications services and equipment such as Voice over Internet Protocol (VoIP), Voice Mail with automated attendant and a host of new features that have matured over the last five to seven years. In addition, the newer equipment will provide improved remote monitoring and diagnostics that will reduce operating expenditures and increase reliability.

Category 8 – VOICEMAIL INSTALLED – As part of Category 7 (PBX Upgrade) ITS requested a voicemail module for every telephone system requested.

9574 - SOUTH REGIONAL CENTER SCHOOLS

0041 -Air Base El.	0073 -Mandarin Lakes El.	0125 -Norma Butler Bossard El.	0161 -Avocado El.	0261 -Bel-Aire El.	0311 -Goulds Elementary	0651 -Campbell Drive El.
						
0661 -Caribbean El.	0671 -Calusa El.	0771 -Chapman, W. A. El.	0831 -Pepper Claude El.	0861 -Colonial Drive El.	1041 -Coral Reef El.	1241 -Cutler Ridge El.
						
1331 -Devon Air El.	2001 -Florida City El.	2021 -Floyd, Gloria El.	2151 -Gordon, Jack D. El.	Gordon, Jack D. Manatee PLC	Gordon, Jack D. Panther PLC	2321 -Gulfstream El.
						
2521 - Hoover, Oliver El.	Oliver Hoover PLC "U"	2541 -Howard Drive El.	2641 -Kendale El.	2701 -Kenwood El.	2881 -Leewood El.	2891 -Lehman, William El.
						
2901 -Leisure City El.	2941 -Saunders, Laura C. El.	3101 -Martin, F.C. El.	3261 -Miami Heights El.	3541 -Moton, R. R El.	3621 -Naranja El.	4221 -Palmetto El.
						
4381 -Perrine El.	4391 -Peskoe, Irving & Beatrice El.	4421 -Pinecrest El.	4441 -Pine Lake El.	4461 -Pine Villa El.	4511 -Porter, Dr. Gilbert L. El.	Porter, Dr. Gilbert L. PLC
						
4581 -Redland El.	4611 -Redondo El.	4651 -Ethel F. Beckford El.	5281 -South Miami Heights El.	5421 -Sunset Park El.	5671 -Vineland El.	5791 -West Homestead El.
						

5951 -Whispering Pines El.	5961 -Winston Park El.	5981 -Whigham, Dr. Edward L. El.	Dr. Edward Whigham PLC	6001 -Ammons, Herbert A. Mdl.	6021 -Arvida Mdl.	6061 -Campbell Drive Mdl.
						
6081 -Centennial Mdl.	6111 -Cutler Ridge Mdl.	6211 -Glades Mdl.	6221 -Hammocks Mdl.	6251 -Homestead Mdl.	6431 -Mays Mdl.	6701 -Palmetto Mdl.
						
6771 -Jorge Mas Canosa Middle	6761 -Redland Mdl.	6781 -Richmond Heights	5003 -South Dade Middle	6861 -Southwood Mdl.	7101 -Coral Reef Sr.	7151 -Homestead Sr.
						
7361 -Miami Killian	7371 / 8911 -Robert Morgan Ed. Center	7431 -Miami Palmetto Sr.	7531 -Miami Sunset Sr.	7631 -Miami Douglas MacArthur - South	7701 -South Dade Sr.	7731 -Miami Southridge Sr.
						
7781 -Varela, Felix Sr.	8131 -D. M. Wallace C.O.P.E. Ctr.	8201 -Corporate Academy South	7061 -School Adv. Studies North	7091 -Schl. For Adv. Studies South	7041 -School Adv. Studies Wolfson	0202-COCONUT PALM K-8
						
7551 - Schl. For Adv. Studies Homestead	8181 -Ruth Kruse Educational	8151 -Robert Renick Educational	0921-Neva King Cooper Educational