



Public Schools of North Carolina

DPI Connectivity Services

Regional Fall 2009 Updates

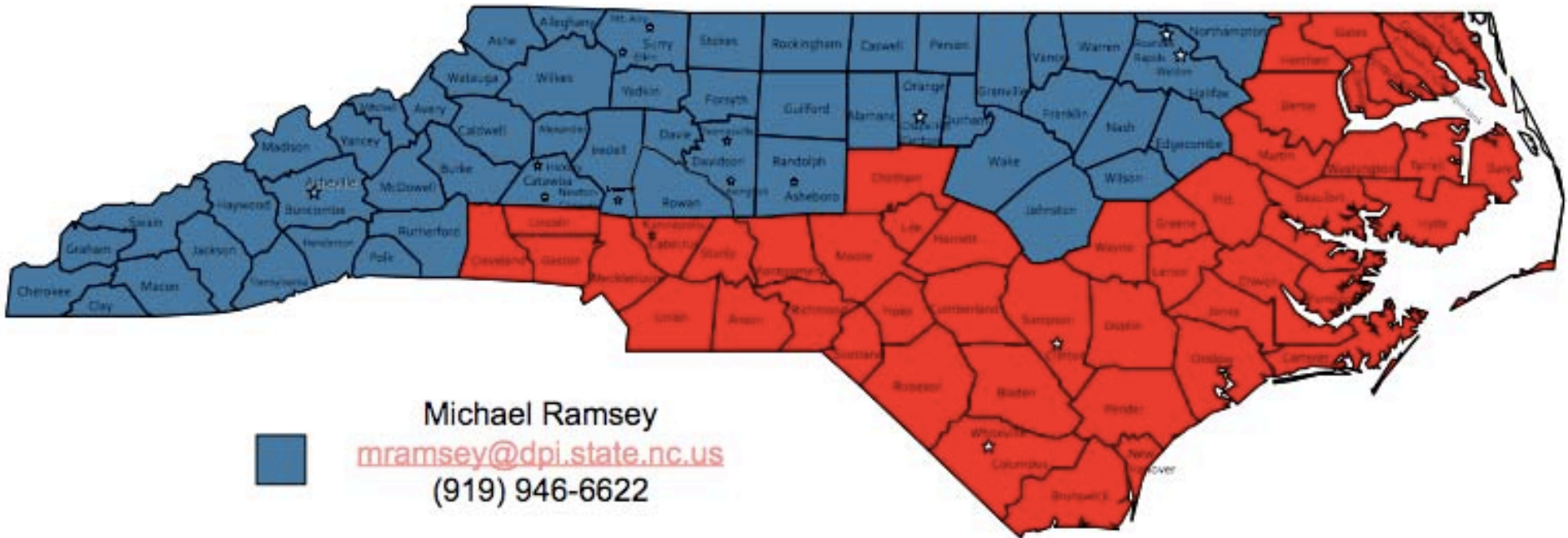
John Warf, Network Analyst

Michael Ramsey, Network Analyst

<http://www.ncpublicschools.org/connectivity/>



Regions



Michael Ramsey
mramsey@dpi.state.nc.us
(919) 946-6622

John Warf
jwarf@dpi.state.nc.us
(919) 533-9411



100% Connected



- All 115 Connected
- Several Different Ways Connected

45 LEA's - All Traffic over State Connection

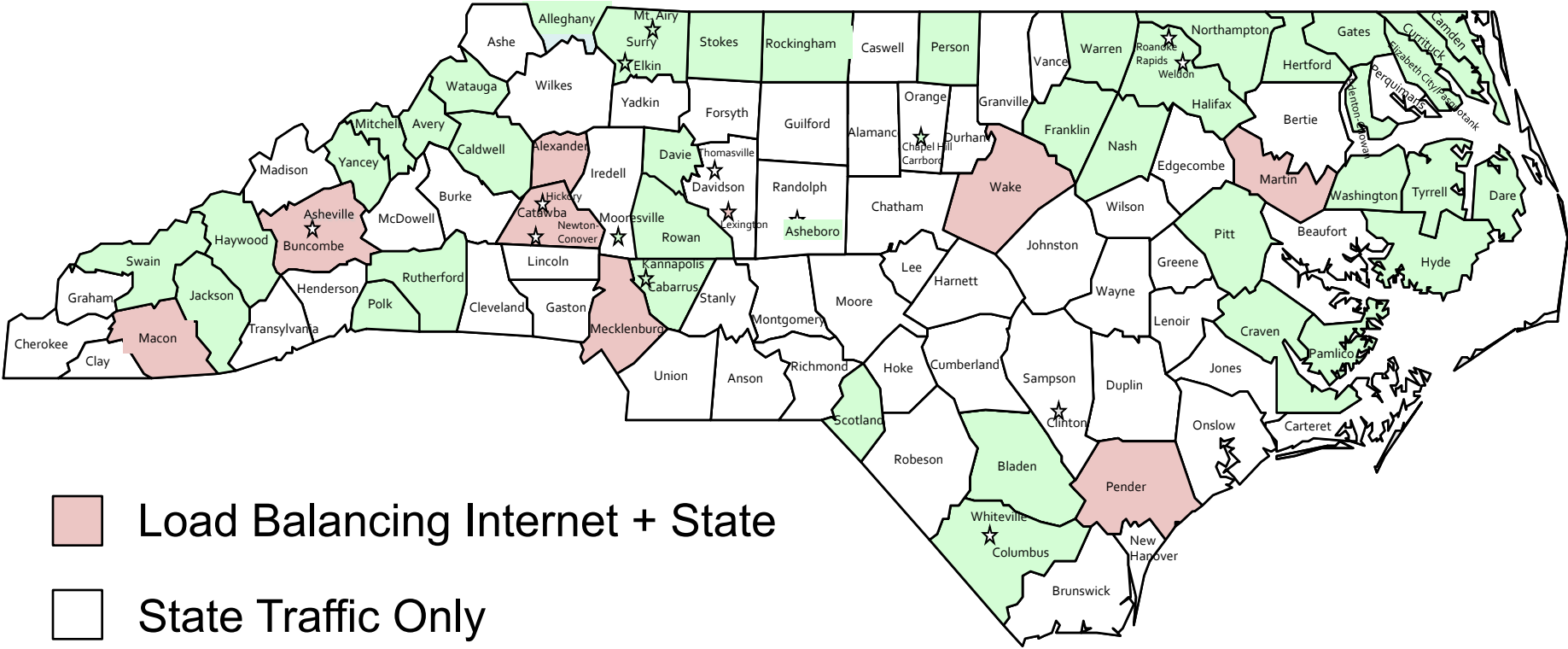
60 LEA's - State Traffic Only




10 LEA's - Load Balanced Internet
+ State Traffic

= 115 LEA's



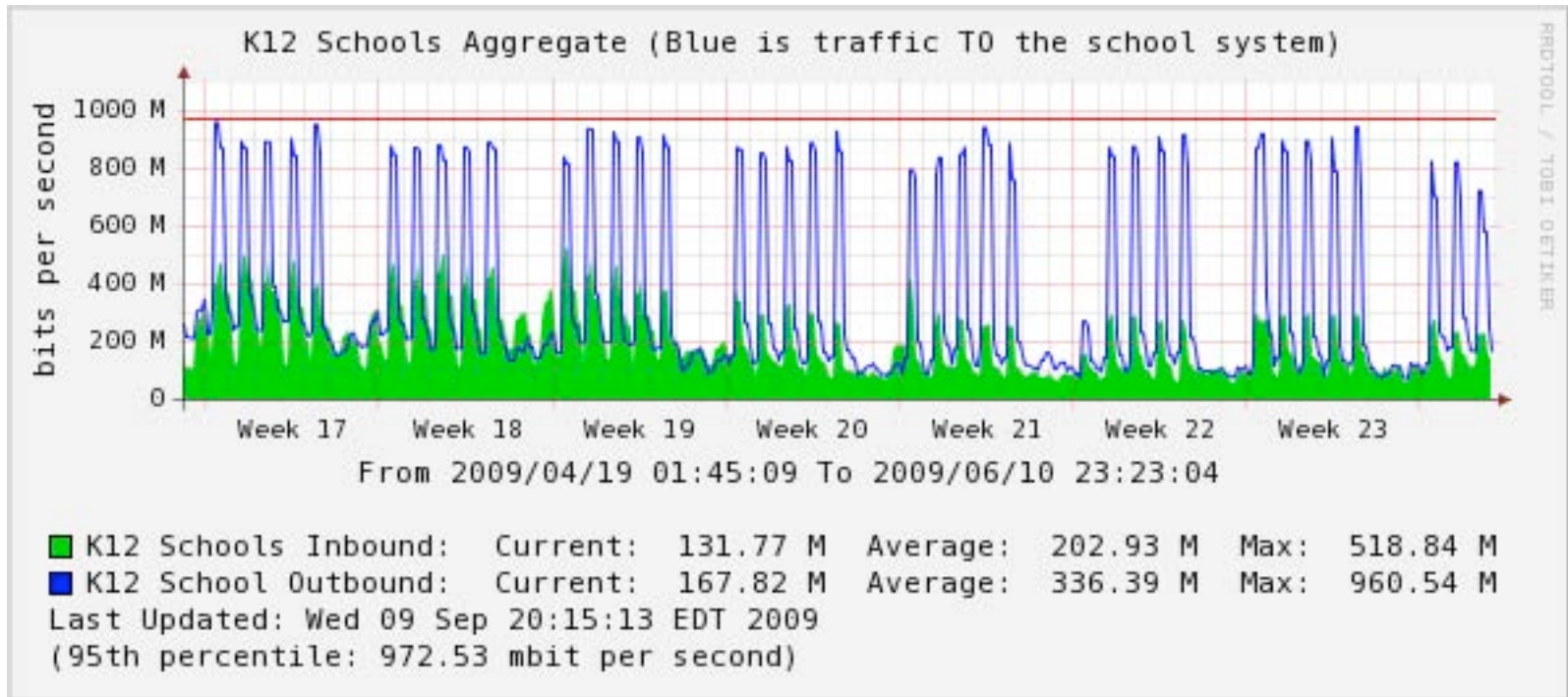
How are Districts Connected



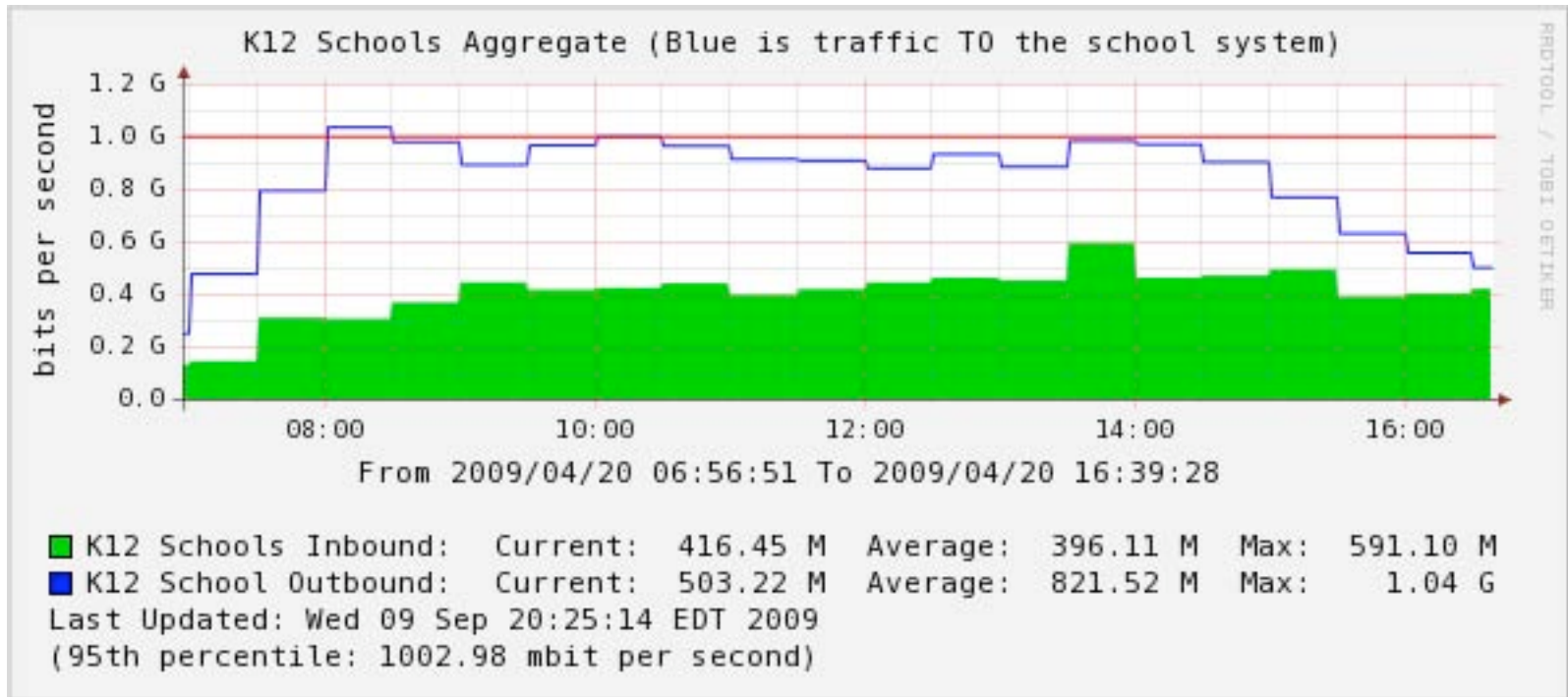
-  Load Balancing Internet + State
-  State Traffic Only
-  All Traffic Over State Connection



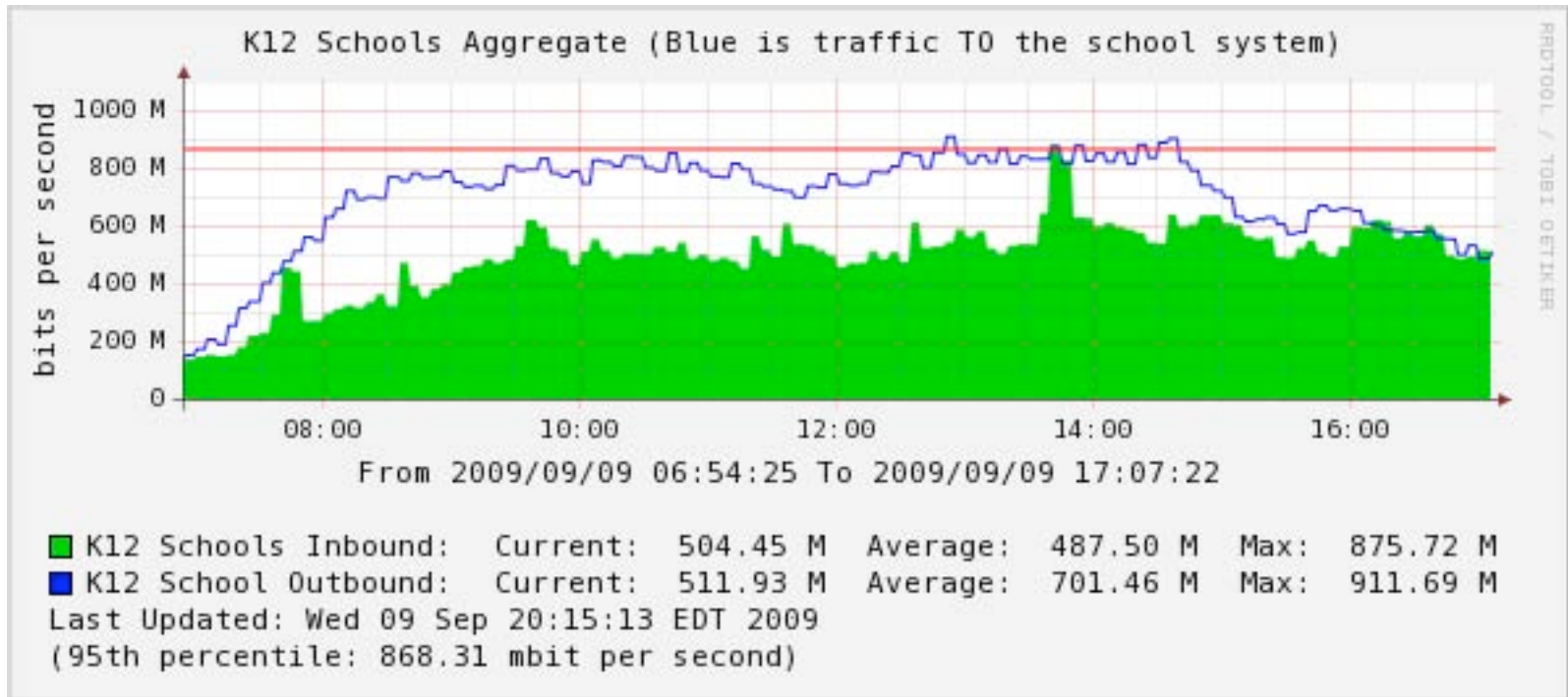
End of Last Year



End of Year Daily



This Year - Daily Average



Then to Now

- High Usage End of the Year
- Low Usage to Start Year
- Monitoring through out the Year
- Currently 10Gig Backbone with Room to Grow

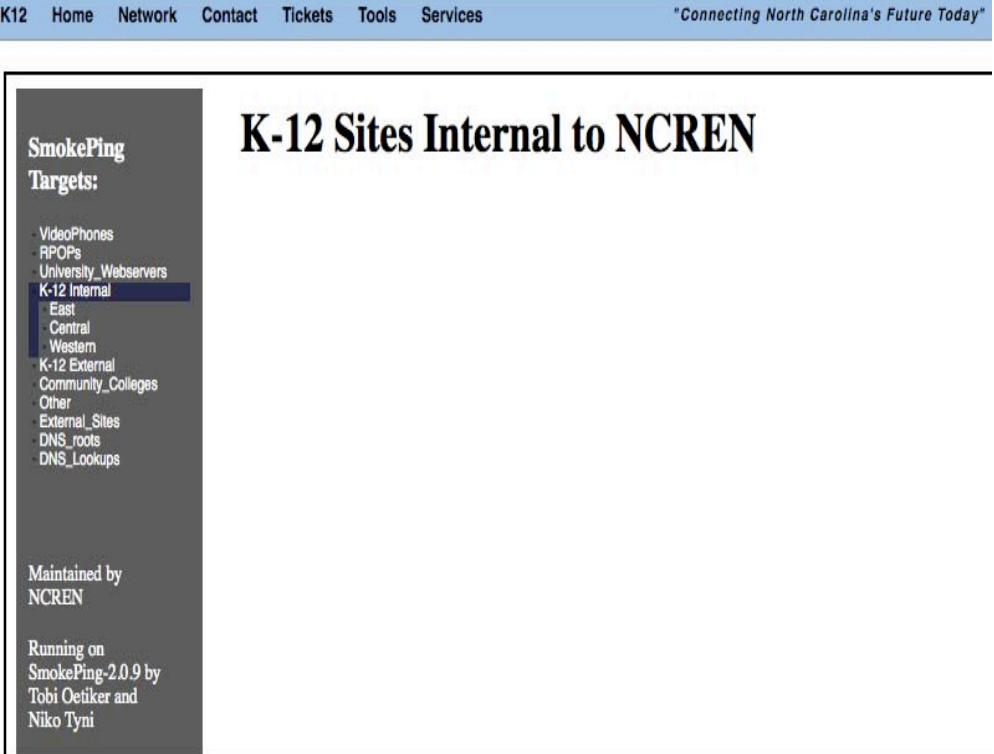
- LEA's Average Around 1Gig Bandwidth



So How Much Are You Using?

EdSpace

- Latency and Bandwidth Graphs
- NCREN Tickets
- DPI Connectivity Website for Directions

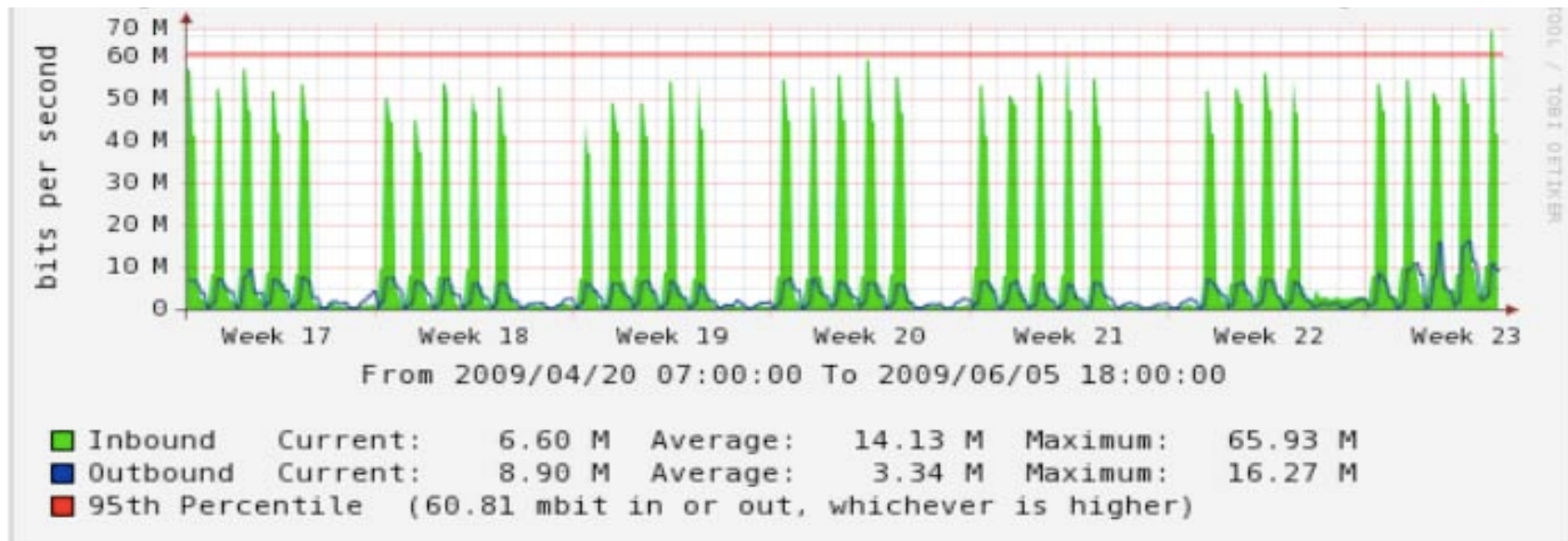


The screenshot shows a web interface for SmokePing. At the top, there is a navigation bar with links for K12, Home, Network, Contact, Tickets, Tools, and Services. A tagline on the right reads "Connecting North Carolina's Future Today". The main content area is titled "K-12 Sites Internal to NCREN". On the left, there is a sidebar with a "SmokePing Targets:" section containing a list of targets: VideoPhones, RPOPs, University_Webservers, K-12 Internal (highlighted), East, Central, Western, K-12 External, Community_Colleges, Other, External_Sites, DNS_roots, and DNS_Lookups. Below the list, it says "Maintained by NCREN" and "Running on SmokePing-2.0.9 by Tobi Oetiker and Niko Tyni".



Additional Bandwidth

- DPI Connectivity Services Reviews Status of Connections Each Month
- 60Mb in the 95th Percentile



Connectivity Website

<http://www.ncpublicschools.org/connectivity/>

- Constant Adding Info
- Connectivity Presentations
- Connecting to EdSpace
- Funding / Code Information
- State IT Contracts
- Staff Directory / Contacts
- FAQ

The screenshot shows the website's header with the text "PUBLIC SCHOOLS OF NORTH CAROLINA State Board of Education | Department of Public Instruction". Below this is a blue banner with "CONNECTIVITY SERVICES" and a search bar. A left sidebar lists navigation options: "CONNECTIVITY SERVICES HOME", "IMPORTANT DOCUMENTS & LINKS", "E-RATE SERVICES", "INTERACTIVE VIDEO CONFERENCE", "INSTRUCTIONAL TECHNOLOGY", "FRIDAY INSTITUTE", "MCNC", and "CONNECTIVITY SERVICES DIRECTORY". The main content area features a "MISSION" statement about the School Connectivity Program, a "UPCOMING EVENTS" section, and a "Printer Friendly Version" link. A footer contains links for "DPI HOME", "ABOUT DPI", "STATE OF NC", "DIRECTIONS", "LEGAL NOTICES", "NC OPENBOOK", and "CONTACTS".

PUBLIC SCHOOLS OF NORTH CAROLINA State Board of Education | Department of Public Instruction

CONNECTIVITY SERVICES

CALENDAR QUICK LINKS

CONNECTIVITY SERVICES

MISSION ::The School Connectivity Program is the culmination of several years of vision surrounding the 21st century classroom, and developing a North Carolina workforce poised to meet the challenge of a global economy. The North Carolina Department of Public Education is proud to be the sponsor of this collaborative effort. Through a partnership between MCNC, Friday Institute, ITS and DPI the North Carolina Research Education Network (NCREN) has been extended to the K-12 community of schools. All districts in North Carolina now have a high speed direct connection to this robust education networking infrastructure. Recurring funding has been allocated from the General Assembly to support this effort. These funds shall be used for broadband access, equipment, and support services that create, improve, and sustain equity of access for instructional opportunities for public school students and educators.

UPCOMING EVENTS

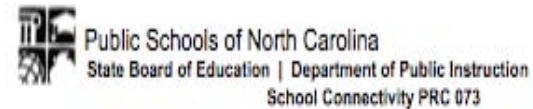
> Printer Friendly Version

DPI HOME ABOUT DPI STATE OF NC DIRECTIONS LEGAL NOTICES NC OPENBOOK CONTACTS



Program Report Code (PRC) 073

- Program Report Code
- Currently working to get information
- Expect it to be out in revision October
- Connectivity site with revisions



School Connectivity LEA Allocations
As of Allotment Revision 28
FY 2008-09

LEA#	LEA Name	FY 2008-09 Allotment	One-Time Allocation	Required Reduction (Rev. 16)	Allowable C/O	Required Reversion Transfer (Rev. 28)	Total
010	Alamance County	168,948		0			168,948
020	Alexander County	37,303		0			37,303
030	Alleghany County	26,935		0			26,935
040	Anson County	37,598		0			37,598
050	Ashe County	39,686		0			39,686
060	Avery County	29,857		0			29,857
070	Beaufort County	45,732		0			45,732
080	Bladen County	39,082		0			39,082
100	Brunswick County	29,088		0			29,088
110	Buncombe County	155,144	950		5		156,099
111	Asheville City	20,132		(10,000)			10,132
120	Burke County	81,912		0			81,912
130	Cabarrus County	198,424		0			198,424
132	Kannapolis City	22,860		0		(747)	21,933
140	Caldwell County	81,722		0	1,089		82,811
160	Carteret County	102,468		0			102,468
170	Caswell County	36,449		0	25		36,474
180	Catawba County	213,825	950	0	5,388		220,163
181	Hickory City	37,144		0			37,144
182	Newton-Conover City	12,870	2,763	0			15,633
190	Chatham County	95,860		0			95,860
200	Cherokee County	23,862		0			23,862
220	Clay County	14,820		0			14,820
230	Cleveland County	93,183		0		(1,257)	91,926
240	Columbus County	32,303		0	1		32,304
241	Whiteville City	9,888		0			9,888
250	Craven County	73,891		0			73,891
260	Cumberland County	317,172		(289,119)	260	(16,313)	0
270	Cumtuck County	81,960		0		(5,000)	76,960
...	



Connectivity Listserv

- Updates on Connectivity
- Newsletters
- Outages
- Additional Users

ACCOUNT CODE	OBJECT CODE DESCRIPTION
6400-073-311	Technology Support - Contracted Services
6400-073-326	Technology Support - Contracted Repairs - Equipment
6400-073-343	Technology Support - Telecommunications Services
6400-073-418	Technology Support - Computer Software and Supplies
6400-073-462	Technology Support - Computer Equipment - Inventoried
6400-073-471	Technology Support - Sales and Use Tax Expense
6400-073-542	Technology Support - Computer Hardware Purchase - Capitalized



Bonus of the Day

<http://www.screentoaster.com/>

- Screen Recorder



- Audio

Free Online Screen Recorder

- **Register & use it anywhere, anytime**
No download. Compatible with Windows, Mac OS X, Linux.
- **Capture videos of onscreen action in one click**
Record screencasts, tutorials, demos, training, lectures and more.
- **Share and stream videos online in Flash**
Embed them on blogs and webpages or send them by email.

- Picture



Questions

