

WHERE WE ARE / WHERE WE ARE GOING: Bridging the Digital Divide: Re-Building Network Services in Georgia's Public Libraries

WHAT'S THE DIFFERENCE?

- **GPLS-MANAGED INTRANET** – similar to one a large corporation would use – closed, secure, widespread facilities.
- **CO-MANAGED COMMODITY INTERNET** – similar to what you use at home.

	Library Managed Intranet and/or Internet	GPLS Managed Intranet	Co-Managed Commodity Internet	
		GPLS	GPLS	Library System
Speed	Speed varies widely throughout state. Some differences are dictated by location – rural libraries tend to have less infrastructure = smaller number of providers = less choices.	Average of 4Mbps per branch across Georgia. Quality of service & priority rules are in place on traffic to: other libraries, PINES, Galileo (& other PeachNet sites), GPLS-hosted email, GPLS-hosted Web, library, VOIP, etc.	50-100% increase in bandwidth – up to 100Mbps per branch. GPLS can leverage the >200 Internet Service Providers in GA on behalf of the libraries; Considerations like infrastructure, geography, availability can all be negotiated on behalf of the libraries when we approach it within a mindset of economy of scale.	Should the bandwidth still not be adequate for business needs, the library will need to put in place Quality of Service & priority rules. (instructions are posted on galibtech.org)
Management	Management effort, cost, E-Rate filings, quality assurance, construction costs, etc. all incurred by individual system.	Management effort, cost, E-Rate filings at GPLS; Monitored (Intermapper), easy to spot problems, get alerts, etc.	GPLS will continue to manage E-Rate filings for the foreseeable future.	The library will be responsible for the generation of a contract and the support relationship between the branches and the ISP.
Security	Library responsible for proving CIPA compliance. Any efforts such as intrusion detection, intrusion prevention, and content filtering all can be negotiated with the ISP.	Centralized URL filtering service including Intrusion Detection, Intrusion Prevention and Content Filtering.		No centralized URL filtering service; The ISP will be responsible for proving CIPA compliance. If no filtering is provided by the ISP, GPLS will continue to provide or subsidize filtering for the library.
Cost	Cost varies widely throughout state + affordability varies widely across systems. This model can potentially result in rural and less resourced libraries receiving substantially less bandwidth.	GPLS pays \$1.9 million annually.	Projected to be anywhere from 10%-50% of the current cost incurred by GPLS. While the goal of this project is not savings, phase 2 will be an evaluation of how better to re-distribute monies for additional bandwidth if available.	
Scalability	With this model, the libraries have little leverage with which to negotiate for lower pricing or more bandwidth. There is no economy of scale to take advantage of.	To date, there is no model within which GPLS can reduce costs while providing additional bandwidth. We have two providers in the state and they are unwilling to negotiate for a lower price + increased bandwidth.	We are still gathering data in order to come to the best balance between availability of bandwidth & cost for each library. If a library is currently paying for bandwidth outside of the GPLS-provided network, GPLS will provide for the cost in grant form.	