



ILLINOIS CENTURY NETWORK

POLICY COMMITTEE MEETING AGENDA

February 23, 2005

2:00 p.m.

**ILLINOIS CENTURY NETWORK
POLICY COMMITTEE
MEETING AGENDA
February 23, 2005
2:00 p.m.**

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2.	Remarks by Lori Sorenson, BCCS Chief Operating Officer	
 NEW BUSINESS		
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4.	Shared Data Center for Education (presentation) <i>Vicki DeWitt, Director Area 5 Learning Technology Center</i>	
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ILLINOIS CENTURY NETWORK

NOVEMBER 17, 2004 POLICY COMMITTEE MINUTES

- Submitted for:** Action
- Summary:** Distribution of the November 17, 2004 minutes for review by the Policy Committee.
- Action Requested:** Adoption of the November 17, 2004 minutes.
- Recommended Motion:** *That the ICN Policy Committee adopts the November 17, 2004 minutes with any edits as noted.*

ILLINOIS CENTURY NETWORK

NOVEMBER 17, 2004 POLICY COMMITTEE MINUTES

Pete Ashi called the meeting to order and asked Cindy Daniele to call the roll.

Members present: Pete Ashi, TM Floyd; Jay Carlson, Department of Central Management Services; Virginia McMillan, Illinois Community College Board; Bruce McMillan, Illinois State Museum; Jean Wilkins, Illinois State Library; Brian Foster, Illinois Hospital Association; Scott Norton, Illinois State Board of Education; Dan Layzell, Illinois Board of Higher Education; Marianne Stanke, Alan Burgard; Illinois State Police.

Lori indicated that there were enough members present to constitute a quorum.

Pete asked Lori if there had been any resolution on identifying those Policy Committee members whose terms were about to expire. Lori indicated that of the three members with expiring terms, (Pete Ashi, Roderick Frazier, Alan Burgard), Pete's and Roderick's had been renewed for the coming year and that Alan's term would expire at the end of the month (November).

Pete asked Lori to introduce the new Policy Committee member from the State Board of Education, Scott Norton. Scott went on to tell the group that he had assumed the role of Division Administrator, Technology Support for ISBE and that he would be participating on the Policy Committee.

Lori welcomed Scott to the group and indicated that the Policy Committee would benefit from the input and feedback of the K-12 constituency as they represent the largest percentage of constituents on the network.

In her remarks, Lori commented on the work of the Advanced Engineering Taskforce. Specifically, the AET is taking up the issues identified in the 2004 report: possible incentives for those constituents who take the time to participate in the statewide E-rate application, which benefits all constituents; and calculation of bandwidth allocations for those constituents who partner in "private" networks to share bandwidth and reduce the number of direct connections to the backbone.

On another note, Lori indicated that the anti-virus contract was close to being awarded and signed. As anti-virus software was identified as one of the most requested services on the ICN constituent survey, Lori said that she expects there to be a great deal of interest

in this service offering and that marketing efforts will be key, once the service can be announced.

Lori went on to mention that the AET had received the results of their content survey and found that one of the primary areas of interest was based on group purchasing of subscription services that can be located centrally and accessed by many, depending on the licensing agreement. In order to more accurately identify specific services, the AET has asked ICN staff to conduct a more focused survey in this area. The results of this effort will be shared at a future Policy Committee meeting. Lori asked if there were any questions.

Pete asked if ICN constituents that participate in the anti-virus offering will be able to extend that service to their constituents from home computers.

Lori responded that the enterprise edition for the software package did indeed have that provision included and that this would be a great benefit to the students and teachers of schools that purchase the anti-virus package.

Bruce McMillan asked if the AET had met since bringing on new members, as the new representative for museums, Bill Barnett, had a number of questions about the AET. While there is no formal orientation for new appointees, Lori responded that she had spent quite a bit of time talking with Bill about the AET and the expertise that he would be bringing to the table. In addition, Gary Wenger, AET chair, spent time at the last meeting asking the new appointees what they felt the AET should focus on for the coming year.

Pete asked if there were any changes or corrections to the minutes from September 13, 2004. Hearing none, he asked for a motion to approve the minutes.

Motion: Virginia McMillan moved; Dan Layzell seconded, that the minutes be approved. Motion carried.

Lori asked Cindi Hitchcock to provide the budget update.

Cindi provided a brief overview of the ICN budget, pointing out that cost recovery projections were tracking close to the targeted projection and that the practice of recognizing E-rate funds only when they were actually received, was still being followed due to continuing delays between the application process and the receipt of funds.

Pete thanked Cindi for her report and moved on to the next item.

Lori introduced Joel Vinson to provide an update on the E-rate program and other procurements currently underway.

Joel gave a brief overview of the program, emphasizing the gap between the application process and the receipt of funds. As his current job functions are transitioning in the new

BCCS/ICN organization, Joel mentioned that Tom Oseland has been named the new E-rate coordinator for Illinois and that he had been working closely with Tom to insure a smooth transition. Currently they are working on the application for year 8 and should have an estimate of expected funding at the next Policy Committee meeting.

Jay asked what had occurred at the annual E-rate coordinators conference.

Joel replied that he had attended the conference, however due to the timing of the decision to stop issuing funding commitment letters, the conference turned into more of a crisis management event as opposed to an annual state of the E-rate program meeting. The majority of time was spent hearing from constituent groups who did not want to see the program abolished.

Dan asked if the unpredictability of the receipt of E-rate funds was a cash flow issue or an issue with processing the applications in a timely manner.

Joel responded that this question had never been definitively addressed. It currently takes about four years to get the funds that were approved in the applications. Lori added that the Universal Service Administration Corporation, the E-rate program administrator, had previously set performance matrixes that they were able to meet by attending to the simple applications first. Complex applications, like the ICN's and other state networks, were often pushed to the back burner. The ICN application includes 3,000 entities and approximately a dozen vendors. Applicants like the ICN have been working to get the USAC to reconsider the practice of processing complex applications later in the schedule.

Moving on to procurements and contracts, Joel indicated that the SBC Cisco contract had been renewed for 36 months at the same terms and conditions – 42.5% off on hardware and 30% off on SmartNet.

Jay added that the continuation of these terms was significant in that Cisco had been aggressively trying to reduce the amount of the discount given to statewide networks. Cisco had also been trying to limit the discounts only to state entities and not extend it to other types of constituents. Again, through deliberate negotiations, this provision was maintained. Illinois was also able to negotiate a significant discount of 58% on the core and distribution upgrades required to move the frame relay customers to the ICN MPLS backbone network.

Pete congratulated the ICN/BCCS team on these successful negotiations.

Joel went on to explain the provisions of the anti-virus contracts currently under negotiation. The provision of home-use for both of the products under consideration was a key element in the selection process.

The backbone upgrade on the Bloomington-Champaign link from an OC2 to an OC12 will provide more robust diverse routes in the event that are any failures on the backbone network.

Joel went on to report that there had been an RFP let for egress. Due to independent research it was felt that the ICN could realize significant savings off current rates for egress. Three vendors have been selected as egress providers and the network will be able to triple egress capacity at less cost that is currently being paid.

Lori added that the bandwidth is burstable, so that the ICN can commit to the lower rate while maintaining the ability to burst as constituent needs increase. Joel went on to explain that one of the vendors participates in the national education consortium, known as Quilt, that aggregates their bandwidth purchases to lower costs for all members. The ICN will benefit from partnering with vendors who also participate in the Quilt project.

Joel asked if there were any questions. Hearing none, Lori introduced the next item on the agenda, the network migration update.

Rich Fetter, Senior Division Administrator with BCCS, provided an update on the network migration, backbone, and Regional Technology Staffing to the Policy Committee.

With regard to the network migration, Rich indicated that this project entailed migrating approximately 1800 state agency data circuits from the frame relay service to the ICN backbone. Rich reviewed the extensive planning that had been undertaken to insure that there would be no service disruptions to existing ICN constituents. A significant investment in the ICN backbone to bring the network up to carrier class was made to be able to accommodate the additional traffic on the network. The increase in capacity to the network backbone will also provide the ability to carry video traffic over the same network, eliminating the need to have a separate network in the state for the interactive video application. The current plan calls for all 1800 circuits to be migrated by the end of the fiscal year. The network head-ends and the POP site upgrades are progressing on schedule. The individual remote sites will follow according to a detailed migration schedule that has been established for each agency.

Pete asked how many consultants EKI Consulting would be assigning to the migration. Rich indicated that there were 4 dedicated individuals working with the network monitoring and assistance as the circuits roll over. Internal staff will be taking care of the head end router installations and POP site upgrades.

Virginia asked what the impact of this project might have on the traditional ICN constituents, particularly educational institutions and libraries. While there may be additional maintenance window activity, Rich replied that it was the intent that the original constituents would experience no disruption in service.

Jay added that any impact would be positive in that increased efforts to insure delivery of critical services provided by state agencies would benefit traditional ICN constituents as well.

Rich also mentioned the adjustments being made to the change management processes that would improve communications to constituents and help improve service to all network customers. In addition to the data circuits, the new video platform has been tested with twelve video sites and the results are very positive. The migration plan for video for the remainder of the video sites will fall closely on the heels of the network migration, as the sites are tested and stabilized.

Another component of enhanced service is the development of the Communication Management Center (CMC), a new 24 x 7 support center that will be located in Chicago at the James R. Thompson Center. The final details of the CMC are being worked out with an expected roll out date for late January. In order to better support the addition of state agencies on the network, an expanded version of Regional Technology Center 7 will be housed in Springfield.

Virginia asked about the plans for communicating the changes to the constituents.

Rich replied that a communications strategy was being developed to inform constituents of the contact information and processes for network issues and change management. Efforts are underway to meet with the directors and CIOs of the major agencies impacted by the changes. The Agency Relations group will also become involved in communicating the changes to the network constituents.

Lori added that there will be an 800 number that goes directly to the CMC call center. Existing constituents who use the current number will be routed to the new CMC transparently. This will insure a continuity of service that they have become accustomed to.

Scott asked the name of the solution used for tracking trouble calls. Lori responded that Remedy has been chosen for implementation to track trouble tickets. The ICN has been using Remedy for 2 years throughout the network and all of the RTC staff are familiar with the system. Current plans call for the implementation of Remedy throughout all of the CMS BCCS operations.

Jay added that many of the new staff in the CMC already had experience with Remedy in previous positions, thereby shortening the learning curve to bring the CMC up to full implementation.

Lori thanked Rich for the presentation and asked if there were other questions or issues to be brought before the group.

Jay asked the Policy Committee members if they felt as if BCCS/CMS had lived up to its promises when first faced with transitioning the ICN.

Lori responded that from the constituents' perspective, the transition had been transparent. The feedback received from the AET has been very positive and they are encouraged by the overall direction the network is taking.

Pete asked if there had been any negative fall-out with regards to the employees.

Lori said that there has been minimal turnover of staff, and while there had been some anxiety in the beginning, the staff has realized that the initial commitment has been kept and the transition has gone quite well. Jay added that the staff that left departed to take advantage of wonderful opportunities and not necessarily out of concern about where the network was heading. Jay contributed the smoothness of the transition in part due to the professionalism of the ICN staff.

Pete thanked Jay for his remarks and added that it sounded as if the transition had been quite successful in light of the low staff turnover.

Jay suggested that Policy Committee remain vigilant in their oversight of the network and continue to ask the hard questions and keep constituent needs in mind as changes to the management over time would be inevitable.

Lori asked for a moment to publicly thank Alan Burgard for his service and dedication to the ICN Policy Committee, wishing him the best of luck in his work with the State Police.

Pete echoed his thanks to Alan and asked for a motion to adjourn the meeting.

Motion: Virginia moved; Dan Layzell seconded that meeting be adjourned. Motion carried.

The next meeting is scheduled for the third Wednesday in February from 2:00 to 4:00 p.m. Video conferencing and an audio bridge will be available. Dan Layzell mentioned that the third Wednesday would coincide with the Governor's budget address, so it might be necessary to move the meeting back a week.

Item #6
February 23, 2005

ILLINOIS CENTURY NETWORK

**BUDGET UPDATE
FISCAL YEAR 2005**

Submitted for: Information

Summary: This item provides an update of the fiscal year 2005 budget, including year-to-date e-rate funds received.

Action Requested: None

ILLINOIS CENTURY NETWORK

**BUDGET UPDATE
FISCAL YEAR 2005**

This item presents the Policy Committee with a fiscal year 2005 year-to-date budget update. The final appropriation figure for the Illinois Century Network/General Revenue Fund was \$20,124,015. E-rate reimbursements in fiscal year 2005 totaled \$2,610,879 as of January 31, 2005. This figure includes checks from telecommunications providers totaling \$2,609,450, as well as Year Five E-rate credits totaling \$1,429 applied to telecommunications invoices. Agenda item #7 provides more detailed information regarding the e-rate program.

ICN Cost Recovery had generated \$ 1,368,755 in payments as of January 31, 2005. ICN is billing approximately \$206,000 per month. ICN constituents continue to have an excellent payment record – Accounts Receivables are \$479,485 as of January 31. ICN currently has 455 constituents that are billed on a monthly basis.

Personnel expenses in FY05 will not run as high as originally proposed. ICN will not incur State Universities Retirement System employer costs or group insurance costs in FY05, due to the fact that payroll is through the General Revenue Fund. Contractual expenses will also be lower than proposed due primarily to reduced spending in the contractual lines of “legal fees” and “professional and artistic services” (such as training.) The largest percentage of spend in the ICN budget is in the Telecommunications line. In FY05, approximately \$10 million in equipment has been ordered for the network migration project. That purchase will be paid through a financing package. However, additional telecommunication costs for the network migration will occur in the ICN budget this fiscal year.

Peggy Harris completed and submitted the annual inventory certification on February 4, 2005. This was the third and final year of a three year rotating inventory plan that was granted to the Board of Higher Education. Future certifications will be part of the CMS certification, as ownership of all equipment was transferred from the Board of Higher Education to CMS in September 2004.

Staff continues to work to ensure that the transfer of excess equipment noted in the FY03 & FY04 audit finding is completed by June 30, 2005. FY04 invoice vouchers (paid through the Board of Higher Education fund) are currently being scanned for historical purposes. Access to FY04 records will then be available to CMS Administration and Planning staff electronically, which is consistent with their operating procedures.

ILLINOIS CENTURY NETWORK

Fiscal Year 2005

January 31, 2005

REVENUE SOURCES:	Proposed at Sept. 15, 2004	Actual at January 31, 2005
ICN Appropriation:	20,000,000	20,400,000
OMB 2% Reserve:	-400,000	-275,985
E-Rate Reimbursement:	1,585,951	2,610,879 ¹
Cost Recovery Funds:	2,500,000	1,368,755
TOTAL REVENUE:	23,685,951	24,103,649
Transfer from BHE Fund 736 – FY04 Portion	7,404,288	7,404,288
TOTAL FUNDS AVAILABLE	31,090,239	31,507,937
EXPENDITURES:		
Personnel (Salary & FICA):	4,260,495	2,095,505
Personnel (Retirement):	200,000	100,287 ²
Contractual:	1,632,200	1,035,880 ³
Commodities:	69,100	3,512
Equipment:	175,500	-0-
Telecommunications:	24,702,944	7,726,057 ⁴
Operation of Auto:	10,000	715
Prompt Payment Interest	40,000	2,181
Permanent Improvements	-0-	-0-
TOTAL EXPENDITURES:	31,090,239	10,964,137

¹ Includes \$2,609,450 in checks and \$ 1,429 in credits from telecommunications vendors.

² This amount will decrease, as ICN appropriation will be issued a refund from SERS for employer's share of retirement on July payroll. In FY05 there will not be a SERS employer cost, as salaries are paid through GRF.

³ Contractual expense consists of YTD payments \$ 759,895 plus \$275,985 transfer to Facilities Management Bureau for projected annual costs relating to leased facilities.

⁴ Includes \$7,724,628 in payments and \$ 1,429 in e-rate credits.

Item #7
February 23, 2005

ILLINOIS CENTURY NETWORK
PROCUREMENT / E-RATE UPDATE

Submitted for: Information

Summary: This item provides an update on recent BCCS/ICN procurements and the federal E-Rate program.

Action Requested: None

ILLINOIS CENTURY NETWORK
PROCUREMENT / E-RATE UPDATE

Procurement

Several procurements that will facilitate enhancements to the ICN network backbone and service offerings have recently been awarded. This item provides a brief overview of the procurements and a statement of the benefits that will be realized for BCCS/ICN constituents.

The anti-virus RFP has been awarded to Symantec and Panda Software. The final contract is being negotiated by the CMS legal team and should be executed within the next few weeks. Anti-virus software was one of the most requested services mentioned in the survey conducted by the ICN last spring. This service will have equal value to the state agency customers that are connecting to the ICN.

The backbone network upgrade between Bloomington to Champaign has been awarded to McLeod and is currently being negotiated by CMS legal. This upgrade, from an OC3 to an OC12 will greatly increase the capacity of the backbone network.

The ICN will be welcoming WilTel as an egress provider in the coming weeks. WilTel is replacing the connection to Allegiance, based off of the ICN egress RFP. ICN is currently working on egress contract renewals with existing providers AT&T (Peoria) and Level 3 (Chicago).

Sprint became the first GB egress connection on the network, due to an upgrade that was completed in January 2005. The connection was upgraded from 622Mb to 1000 Mb, or 1GB, bringing down the per megabit cost by nearly 50%. This reduction was due to direct negotiations with the vendor that resulted in a pricing amendment to the existing master contract.

In an effort to reconnect with the ICN peering partners who have left the Chicago NAP, a sole source award was given to Equinex. This connection will replace the current connection at the NAP. This contract is being negotiated by CMS legal, with assistance from ICN staff.

The VSAT RFP product evaluation and vendor selection is complete. An award notice should be posted in the near future on the procurement bulletin board. Once the award is posted, CMS will begin contract negotiations with the winning vendor.

E-rate

In early August 2004, USAC suspended the issuance of E-rate funding commitments. Due to a change in accounting rules at the direction of the FCC, the E-rate program would now be subject to the accounting provisions of the Anti-Deficiency Act. Under these accounting rules, USAC would be required to have unobligated cash on hand before issuing funding commitments.

In November, USAC resumed issuing commitments for past program year Priority 1 applications after cash had been accumulated. Then, in December, Congress passed a one-year exemption from the Anti-Deficiency Act for the universal service fund.

Most recently, legislation has been introduced in Congress that would permanently exempt the universal service fund from the Anti-Deficiency Act. As the backlog in the invoicing and review process at USAC is reduced, applicants should see some improvement in the timeliness of the receipt of committed funds for current outstanding program year applications.

As of February 7, 2005, the Illinois Century Network has received E-rate funds totaling \$2,610,879 for the current fiscal year. This figure represents the combination of Program Years Four, Five and Six. There is currently \$6,932,660 in approved funding for Years 4, 5 and 6 that has not yet been received. These funds could come in parts or in whole, during FY05. The following table summarizes E-rate activity to date:

E-rate Activity

Program Year	Received	Approved Not yet received	Applied for Not yet approved	Under Appeal
Year 3	\$2,143,765	-0-	N/A	N/A
Year 4	\$1,082,484	\$1,930,241	N/A	\$2,274,232
Year 5	\$4,444,827	\$923,826	N/A	N/A
Year 6	\$566,087	\$4,078,593	N/A	N/A
Year 7	N/A	N/A	\$5,758,134	N/A
Totals	\$8,237,163	\$6,932,660	\$5,758,134	\$2,274,232

Program Year 7 is currently under review and further financial projections cannot be made at this time. The application for funding Year 8 will be submitted by February 18, 2005. Preliminary estimates show the funding Year 8 application represents approximately \$7,464,940.

Currently, inquiries have been submitted to USAC for information regarding the approval status of funding request disbursements from prior program years. Funding has

been committed for these requests, however, only parts of them have been approved for disbursement.

Once the program Year 8 applications are submitted, preparation for future funding years will begin. Primarily, this entails the compilation of program materials into a packet to be mailed to all relevant ICN constituents. An updated Letter of Agency will be prepared for upcoming funding years and included along with the Form 479, for constituent certification of compliance with the Children's Internet Protection Act. These documents are necessary for the ICN's compliance with the E-rate program filing as a consortium applicant.

E-rate funds received on behalf of the ICN will be reflected in subsequent budget items as they are received.

Item #8
February 23, 2005

ILLINOIS CENTURY NETWORK
NETWORK UPDATE

Submitted for: Information

Summary: This item provides an update on recent network activities, including the network migration, the communications management center, IP video, and network utilization statistics.

Action Requested: None

ILLINOIS CENTURY NETWORK

NETWORK UPDATE

Network Migration

The Department of Central Management Services (CMS) Bureau of Communication and Computer Services (BCCS) is in the process of migrating 1,800 state agency data circuits from the SBC Frame Relay network to the Illinois Century Network (ICN). The initial phase of the project started in August 2004. Upgrades to the ICN core network infrastructure and POP sites are complete. Upgrades included improving the core network infrastructure to carrier-class Cisco routers, increasing core backbone bandwidth from OC-12 to OC-48, making core backbone ring point-of-presence (POP) sites fully redundant and implementing advanced MPLS with Quality of Service technology. The project includes upgrading most end site agency routers as well as raising agency access circuits to a minimum of T-1.

Agency head-end router installations have been completed for the 10 largest agencies. The network traffic of these 10 agencies represents over 80% of the 1,800 circuits. Agency end-site installations began December 2004 and are scheduled for completion by June 30, 2005. Over 200 agency end sites have been successfully migrated.

Communications Management Center

The Communications Management Center will begin 24x7x365 operations on February 22, 2005. The center will be under the leadership of George Florea. George joins the BCCS team with over ten years of network operations management experience in the telecommunication industry. George's staff includes eight qualified engineers with diverse experience in the telecom industry. The new center, which is located on the third floor of the James R. Thompson Center in Chicago, will be responsible for all Tier 2 trouble management, network monitoring, trouble isolation, problem resolution, network surveillance, and ongoing technical support and consultation for a broad spectrum of products and services including those services operational on the Illinois Century Network. The CMC facility has been built to support a total of 15 workstations. This will allow the CMC to support up to a total of 45 engineers if needed.

George and his staff have been hard at work over the past three months preparing the center for operation. The staff has spent most of January training with personnel from the Springfield Network Control Center (NCC) and Illinois Century Network (ICN). Additionally, the CMC personnel have spent multiple weeks at various Regional

Technology Center (RTC) locations shadowing staff. The CMC staff has gained a functional working knowledge of all CMS/ICN tools and equipment.

IP Videoconferencing Migration

The Department of Central Management Services (CMS) currently has twenty IP based videoconferencing systems operational on the Illinois Century Network. These sites include several CMS locations; the Governor's Office; the Lt Governor's office and Department of Human Service sites.

Both the IP network infrastructure (videoconferencing bridges, gateways, and gatekeepers) and fully managed help desk support system are in full operation. Migration of the remaining 150 videoconference sites is scheduled to begin in April 2005 with completion of all sites targeted for the end of summer 2005.

New IP hardware and network rates have been proposed and are awaiting executive management approval. Staff also finalizing plans to offer managed help desk services to other ICN constituents.

Network Utilization

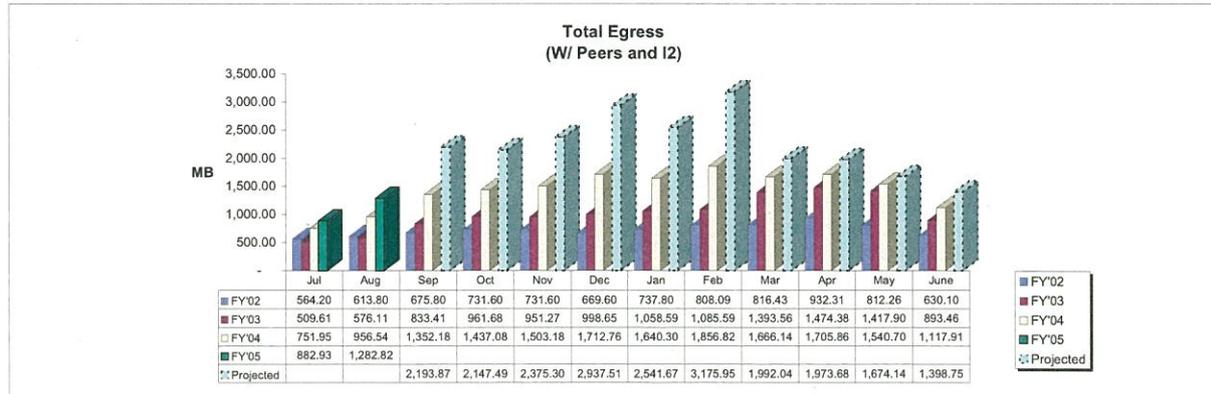
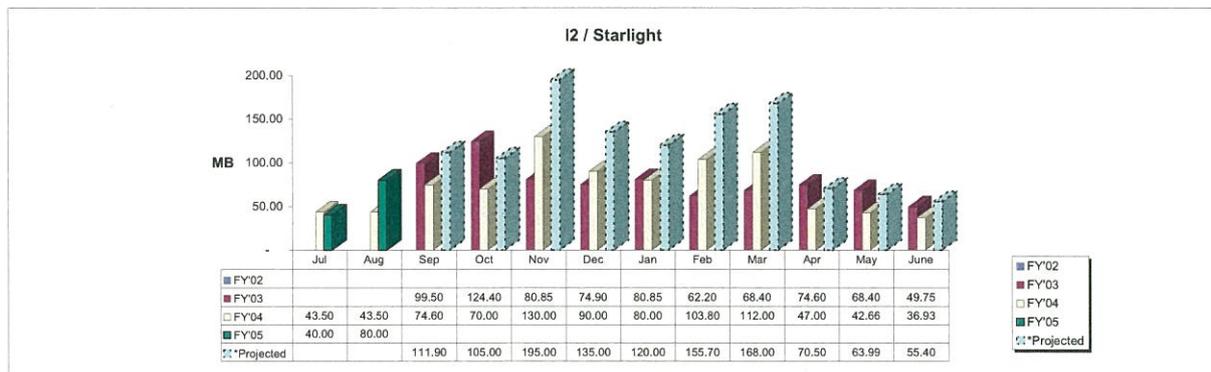
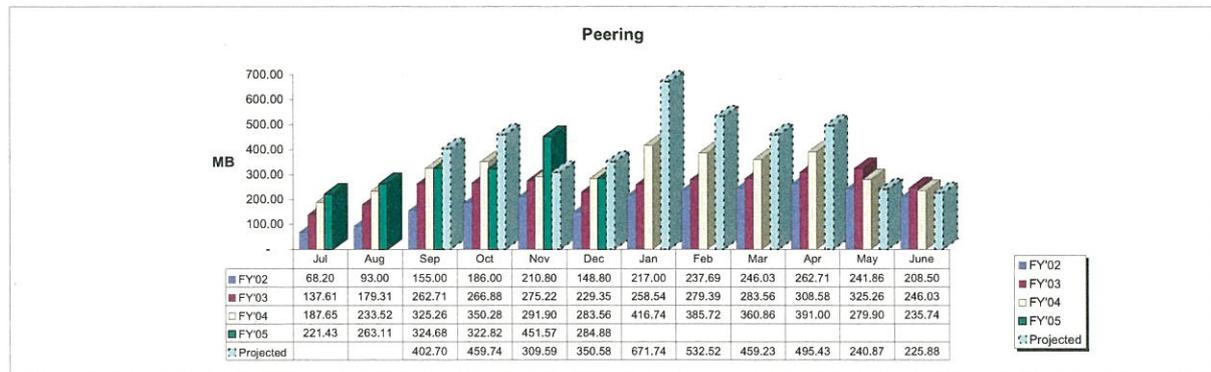
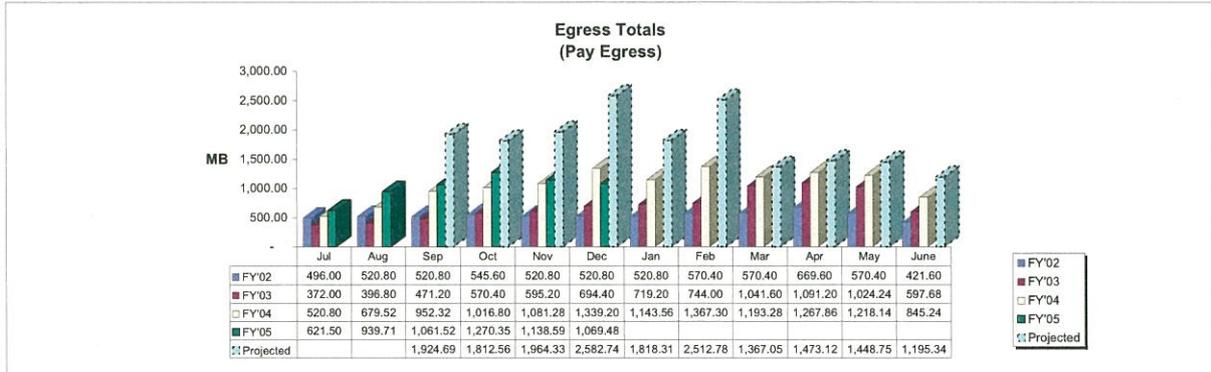
On the following pages there are several graphs and charts that describe the network traffic on the ICN backbone. The first table includes four graphs that provide egress totals for the last four years of the ICN. The dotted columns note projections based mathematically on the historical data presented. The graphs are broken down as follows:

- | | |
|---------------------|---|
| Egress | Egress is any provider that ICN connects to, and pays for, that provides access to the Internet at large. ICN's egress providers are Sprint, AT&T, Qwest, and several others. |
| Peering | Peering is any connection to the ICN that shares free traffic with other networks. Examples of peering connections are Ohio's statewide network, Michigan's statewide network, Canada AT&T, several broadband companies, and many others. |
| I2/Starlight | I2/Starlight (Abilene) is any traffic that traverses Internet2. This traffic represents connectivity to research organizations throughout the world for high-speed, high-tech projects and is available to almost all ICN customers, whose eligibility is determined by Abilene's membership rules. |
| Total Egress | This details the total bandwidth leaving and entering the ICN from all of the sources available. |

The following table, “statistical data for egress” is simply the data gathered to create the graphs.

“ICN statistics: main OC12 ring” illustrates the connectivity between each point of presence (POP) site on the primary ring and central lateral connections – basically the interconnections between Chicago, Champaign, Bloomington, Peoria, Springfield, and Collinsville. The graph legend is identical to the first set of graphs. Again, the following table represents the data gathered to create the graphs. It should be noted that the ICN core ring has been upgraded in that all links on the central ring are now OC48.

ICN Statistics:Egress

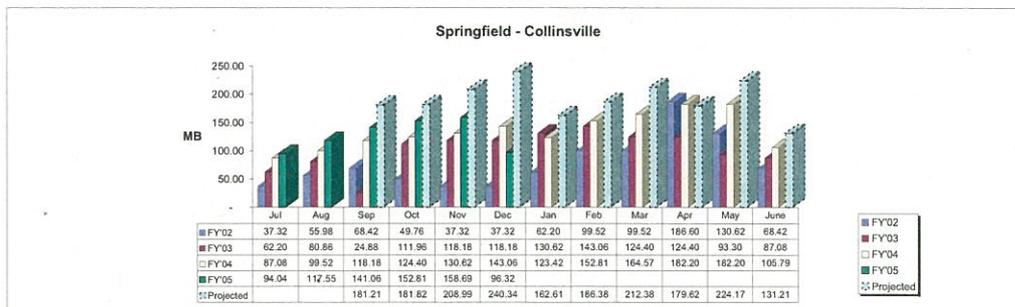
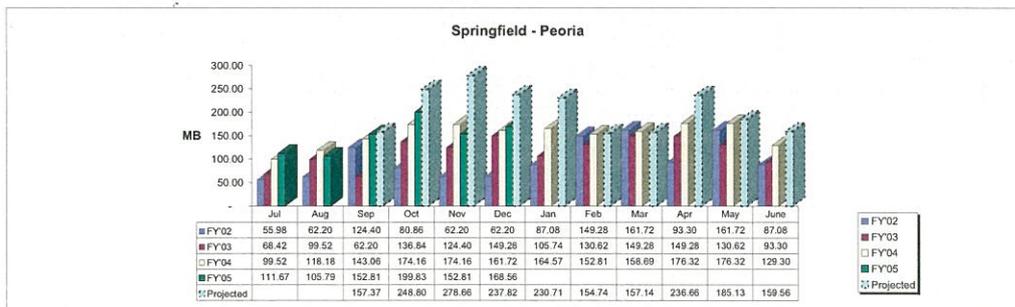
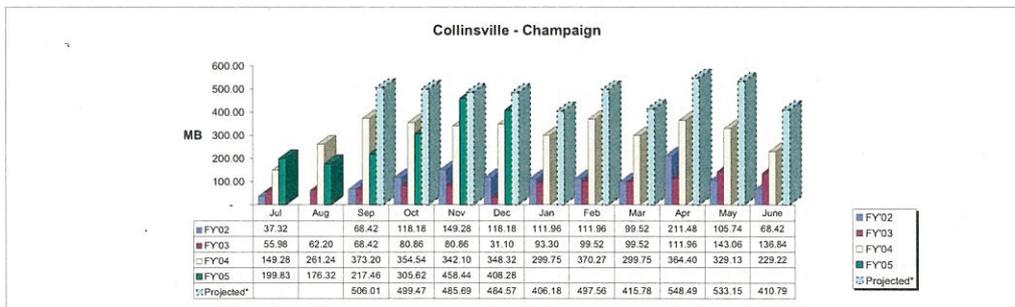
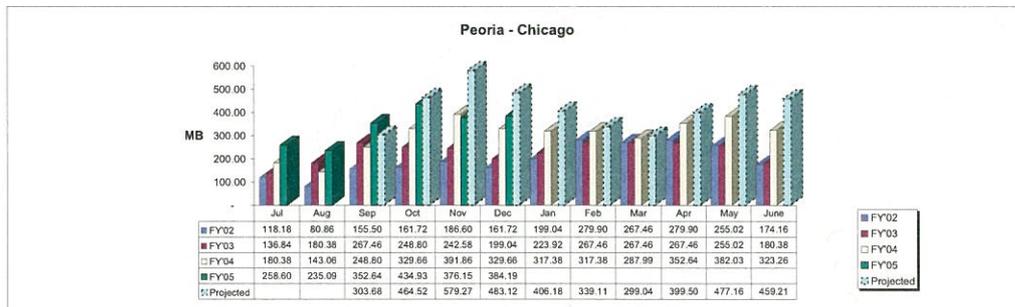
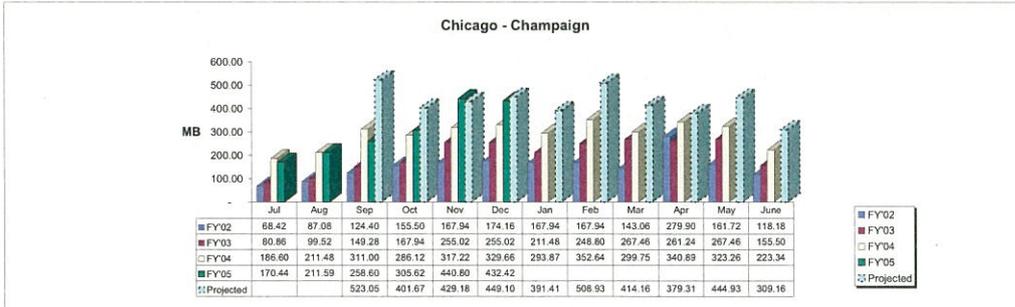


Statistical Data for Egress

Egress Totals (Pay)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
FY'02	496.00	520.80	520.80	545.60	520.80	520.80	520.80	570.40	570.40	669.60	570.40	421.60
FY'03	372.00	396.80	471.20	570.40	595.20	694.40	719.20	744.00	1,041.60	1,091.20	1,024.24	597.68
FY'04	520.80	679.52	952.32	1,016.80	1,081.28	1,339.20	1,143.56	1,367.30	1,193.28	1,267.86	1,218.14	845.24
FY'05	621.50	939.71	1,061.52	1,270.35	1,138.59	1,069.48						
Projected			1,924.69	1,812.56	1,964.33	2,582.74	1,818.31	2,512.78	1,367.05	1,473.12	1,448.75	1,195.34
Peering												
FY'02	68.20	93.00	155.00	186.00	210.80	148.80	217.00	237.69	246.03	262.71	241.86	208.50
FY'03	137.61	179.31	262.71	266.88	275.22	229.35	258.54	279.39	283.56	308.58	325.26	246.03
FY'04	187.65	233.52	325.26	350.28	291.90	283.56	416.74	385.72	360.86	391.00	279.90	235.74
FY'05	221.43	263.11	324.68	322.82	451.57	284.88						
Projected			402.70	459.74	309.59	350.58	671.74	532.52	459.23	495.43	240.87	225.88
I2												
FY'02			99.50	124.40	80.85	74.90	80.85	62.20	68.40	74.60	68.40	49.75
FY'03	43.50	43.50	74.60	70.00	130.00	90.00	80.00	103.80	112.00	47.00	42.66	36.93
FY'04	40.00	80.00										
*Projected			111.90	105.00	195.00	135.00	120.00	155.70	168.00	70.50	63.99	55.40
Total w/Peers-I2												
FY'02	564.20	613.80	675.80	731.60	731.60	669.60	737.80	808.09	816.43	932.31	812.26	630.10
FY'03	509.61	576.11	833.41	961.68	951.27	998.65	1,058.59	1,085.59	1,393.56	1,474.38	1,417.90	893.46
FY'04	751.95	956.54	1,352.18	1,437.08	1,503.18	1,712.76	1,640.30	1,856.82	1,666.14	1,705.86	1,540.70	1,117.91
FY'05	882.93	1,282.82										
Projected			2,193.87	2,147.49	2,375.30	2,937.51	2,541.67	3,175.95	1,992.04	1,973.68	1,674.14	1,398.75
Sprint												
FY'02	77.50	122.45	148.80	144.15	145.70	192.82	236.36	279.90	273.68	366.98	286.12	167.94
FY'03	136.84	124.40	180.38	242.58	273.68	360.76	360.76	385.64	410.52	304.78	304.78	223.92
FY'04	136.84	174.16	261.24	279.90	211.48	236.36	192.82	230.14	217.70	248.80	248.80	192.82
FY'05	174.16	255.02	279.90	286.12	311.00							
Projected			378.35	322.96	163.42	154.86	103.06	137.34	115.45	203.10	203.10	166.04
Allegiance												
FY'02			114.70	147.25	147.25	145.70	147.25	142.60				
FY'03					151.90	151.90	120.90	127.10	144.15	150.35	144.15	106.95
FY'04	96.10	119.35	170.50	220.10	212.35	210.80	213.90	235.60	235.60	232.50	204.60	68.20
FY'05	57.35	99.20	106.95	139.50	116.25							
Projected			211.97	274.55	296.86	292.54	378.44	436.72	385.07	359.54	290.40	43.49
Level3												
FY'02	54.25	116.25	142.60	179.80	165.85	111.60	179.80	179.80	68.20	77.50	89.90	102.30
FY'03	65.10	93.00	145.70	155.00	155.00	139.50	223.20	232.50	223.20	303.80	303.80	223.82
FY'04	87.11	105.71	142.91	145.70	155.00	158.10	173.60	248.00	273.68	117.80	93.00	86.80
FY'05	80.60	102.30	136.40	151.90	161.20	179.80						
Projected			140.17	136.96	155.00	179.18	135.02	264.53	335.58	45.68	28.47	33.66
AT&T												
FY'02	68.42	74.64	55.98	55.98	55.98	80.86	118.18	124.40	155.50	130.62	136.84	118.18
FY'03	93.30	105.74	124.40	149.28	124.40	118.18	130.62	124.40	130.62	136.84	130.62	118.18
FY'04	130.62	99.52	105.74	248.80	255.02	304.78	292.34	261.24	273.68	286.12	248.80	217.70
FY'05	192.82	255.02	286.20	416.74	422.96	491.38						
Projected			89.88	414.67	522.79	786.01	654.28	548.60	573.42	598.25	473.90	401.03
QWEST												
FY'02	21.70	62.00	77.50	106.95	119.35	122.45	105.40	111.60	108.50	134.85	136.40	77.50
FY'03	60.45	117.80	114.70	122.45	130.62	130.62	136.84	143.06	149.28	149.28	174.16	149.28
FY'04	174.16	292.34	398.08	398.08	404.30	416.74	90.00	454.06	441.62	485.16	447.84	267.46
FY'05	192.82	286.12	329.66	385.64	460.28	578.46						
Projected			1,381.58	1,294.14	1,251.40	1,329.60	177.66	183.39	205.39	165.25	222.37	287.54

*Adjusted due to lack of historical data

ICN Statistics: Main OC12 Ring



Statistical Data for Main OC12 Ring

Chicago-Champaign	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
FY'02	68.42	87.08	124.40	155.50	167.94	174.16	167.94	167.94	143.06	279.90	161.72	118.18
FY'03	80.86	99.52	149.28	167.94	255.02	255.02	211.48	248.80	267.46	261.24	267.46	155.50
FY'04	186.60	211.48	311.00	286.12	317.22	329.66	293.87	352.64	299.75	340.89	323.26	223.34
FY'05	170.44	211.59	258.60	305.62	440.80	432.42						
Projected			523.05	401.67	429.18	449.10	391.41	508.93	414.16	379.31	444.93	309.16
Peoria-Chicago	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
FY'02	118.18	80.86	155.50	161.72	186.60	161.72	199.04	279.90	267.46	279.90	255.02	174.16
FY'03	136.84	180.38	267.46	248.80	242.58	199.04	223.92	267.46	267.46	267.46	255.02	180.38
FY'04	180.38	143.06	248.80	329.66	391.86	329.66	317.38	317.38	287.99	352.64	382.03	323.26
FY'05	258.60	235.09	352.64	434.93	376.15	384.19						
Projected			303.68	464.52	579.27	483.12	406.18	339.11	299.04	399.50	477.16	459.21
Collinsville-Champaign	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
FY'02	37.32		68.42	118.18	149.28	118.18	111.96	111.96	99.52	211.48	105.74	68.42
FY'03	55.98	62.20	68.42	80.86	80.86	31.10	93.30	99.52	99.52	111.96	143.06	136.84
FY'04	149.28	261.24	373.20	354.54	342.10	348.32	299.75	370.27	299.75	364.40	329.13	229.22
FY'05	199.83	176.32	217.46	305.62	458.44	408.28						
Projected*			506.01	499.47	485.69	484.57	406.18	497.56	415.78	548.49	533.15	410.79
Springfield-Peoria	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
FY'02	55.98	62.20	124.40	80.86	62.20	62.20	87.08	149.28	161.72	93.30	161.72	87.08
FY'03	68.42	99.52	62.20	136.84	124.40	149.28	105.74	130.62	149.28	149.28	130.62	93.30
FY'04	99.52	118.18	143.06	174.16	174.16	161.72	164.57	152.81	158.69	176.32	176.32	129.30
FY'05	111.67	105.79	152.81	199.83	152.81	168.56						
Projected			157.37	248.80	278.66	237.82	230.71	154.74	157.14	236.66	185.13	159.56
Springfield-Collinsville	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
FY'02	37.32	55.98	68.42	49.76	37.32	37.32	62.20	99.52	99.52	186.60	130.62	68.42
FY'03	62.20	80.86	24.88	111.96	118.18	118.18	130.62	143.06	124.40	124.40	93.30	87.08
FY'04	87.08	99.52	118.18	124.40	130.62	143.06	123.42	152.81	164.57	182.20	182.20	105.79
FY'05	94.04	117.55	141.06	152.81	158.69	96.32						
Projected			181.21	181.82	208.99	240.34	162.61	186.38	212.38	179.62	224.17	131.21

*Due to Backbone re-routing, these projections were manually adjusted.

Item #9
February 23, 2005

ILLINOIS CENTURY NETWORK

SCHOOL TO HOME UPDATE

Submitted for: Information

Summary: This item provides an update on the functionality and roll out of the ICN School to Home service.

Action Requested: None

ILLINOIS CENTURY NETWORK
SCHOOL TO HOME UPDATE

The last update to the Policy Committee on School to Home occurred at the June 2004 meeting. Since then there have been updates to the functionality of the program and the service is being introduced to constituents. This item details the added functionality and provides an overview of the rollout of the service to ICN constituents.

In late October 2004, several important updates were made to the School to Home service. One of the most significant was the ability to import existing data. Previously, users had to enter data such as student and class information individually. With the batch import function, users can convert their data to a predefined database format and import the data into the program, eliminating the need to manually enter large blocks of data. The batch import function is available for class rosters and for individual class information.

Another set of updates was made to the Gradebook section. The Gradebook now offers the option to weight an assignment, lets teachers excuse students from assignments, and allows a teacher to map a letter grade. The attendance module was also upgraded to allow all access levels the ability to view attendance reports. Administrators have universal access to view the attendance data, while teachers only see the data for their students and classes. Parents and students only see their individual attendance data.

School to Home is now available free of charge to Public K-12 and recognized Private K-12 schools. Schools do not have to be ICN constituents to take advantage of the service. To sign up for School to Home a school or school district will fill out the application form and contact their local RTC or the ICN directly if they are not an ICN constituent. The identified administrator(s) will be sent login and passwords to access the School to Home web site. The administrator(s) will then have the ability to add additional administrator, teacher, student, and parent accounts. A user guide has been developed to walk users through the features of the program. The user guide has general information as well as sections devoted to each access level (i.e. teacher, student, etc).

Internal documentation is being developed for technical staff at the ICN to enable them to provide help desk service. The administrator at each site will serve as the initial point of contact for any issues coming from teachers, students or parents at their school.. If the administrator cannot solve the problem, they will place a call to the help desk for assistance. There is currently no online help available within the School to Home web site, but a resource bank may be compiled for users if common issues arise.

Marketing efforts for School to Home have been building for the past year. The ICN has had articles about the service in the “Century Line” newsletter and featured the service at several educational conferences. Feedback so far has been very positive, with numerous schools signing up to test the new service.

A section of the ICN web site has been developed to include Frequently Asked Questions, sign up information and current functionality. A promotional flyer will soon be sent soon to the ICN’s email distribution list with information on signing up. The goal is to allow users to begin signing up and test the program for the remainder of the current school year and then continue with full- scale deployment for the 2005-2006 academic year.

Additional information about School to Home can be found at www.illinois.net/services/schooltohome.