

**CMS**

ILLINOIS DEPARTMENT OF

*Central Management Services*

# Illinois Century Network

## Policy Committee Meeting Agenda

April 15, 2013

1:00 p.m.



**ILLINOIS CENTURY NETWORK  
POLICY COMMITTEE  
MEETING AGENDA  
April 15, 2013  
1:00 p.m.**

<b>Item Number</b>		<b>Page Number</b>
1.	Call to Order and Attendance	-
2.	Announcements and Remarks	
3.	Minutes – January 18, 2013	3
4.	Illinois Broadband Opportunity Partnership Update	8
5.	ICN Funding	11
6.	New Policies and Rates	13
7.	E-rate Update	16
8.	Advanced Engineering Taskforce Appointments	18
9.	Open Meetings Act	21

**Next Meeting**

July 15, 2013  
Community College Board, Springfield  
James R. Thompson Center, Chicago

**ILLINOIS CENTURY NETWORK**

**JANUARY 22, 2013 POLICY COMMITTEE MINUTES**

**Submitted for:** Action

**Summary:** Distribution of the January 22, 2013 minutes for review by the Policy Committee.

**Action Requested:** Adoption of the January 22, 2013 minutes.

**Recommended Motion:** The ICN Policy Committee adopts the January 22, 2013 minutes with any edits as noted.

**ILLINOIS CENTURY NETWORK**

**JANUARY 22, 2013 POLICY COMMITTEE MINUTES**

Bonnie Styles called the meeting to order at 1:00 PM.

**Members Present (Springfield):**

Bonnie Styles, Illinois State Museum	Mike Dickson, Retired – Higher Education
Amy Edwards, Illinois Board of Higher Education	Jeff Newell, Illinois Community College Board
Lori Sorenson, Central Management Services	Kathleen Bloomberg, Illinois State Library

**Members on audio bridge:**

Chet Olson, Mayor of Rochelle	
-------------------------------	--

**Members Absent:**

Greg Wass, Office of the Governor	Scott Norton, Illinois State Board of Education
-----------------------------------	---

**Staff and guests:**

Tom Oseland, Central Management Services	Robin Woodsome, Central Management Services
Deborah Kelley, Central Management Services	Kirk Mulvany, Central Management Services
Essam El-Beik, Central Management Services	

**Minutes**

Bonnie introduced the first item on the agenda, approval of the minutes from October 15, 2012. A motion was made by Mike Dickson to accept the minutes. The motion was seconded by Kathleen Bloomberg. The motion carried.

**Illinois Broadband Opportunity Partnership Update**

Kirk reported ICN is making a lot of progress with construction. A total of 666 of 715 miles of conduit and 552 of 1,000 miles of fiber have been installed. All but one railroad permit has been secured.

Several of the northern Illinois community college laterals are complete. This includes Harper, Lake County, College of DuPage, Oakton, Wabaunsee, and Elgin. The contractor is finishing the build to Joliet Community College which includes a significant amount of rock along the path.

The span that runs along the Dan Ryan at 95<sup>th</sup> Street south to Kankakee along I-57 is mostly done. There is a small amount of fiber remaining.

Kankakee to Champaign is complete. ICN is working with the UC2B project to swap fiber. ICN will use UC2B fiber to get to the ICN POP site on the University of Illinois campus in Champaign. This should be complete within 4-6 weeks.

Bloomington to Champaign and Champaign to Effingham are 99% complete. All the construction has been completed we are verify and testing the fiber.

Conduit is installed along the route from Effingham to Collinsville and the contractor is installing the fiber at a rate of 40 to 50 thousand feet per week.

Champaign to Springfield is not as far along. The majority of conduit is installed and the contractor is starting to install the fiber.

Charleston to Paris to Lawrenceville and Olney is mostly complete.

Work is underway on the Springfield to Barry route. The main issue is boring under the Illinois River as there is no existing conduit. The west side of the river is mostly rock which will also take additional time. ICN will be installing a larger conduit to allow space for future needs of the ICN and other service providers.

Construction is almost complete on the Barry to Macomb route except for a small section south of Macomb on Route 67. This section of the road is scheduled for widening and as a result, the IL Dept. of Transportation (IDOT) has requested the fiber be installed on the other side of the road.

A couple challenges ICN is facing include:

- ICN originally planned to lease fiber from the Chicago Transit Authority along the Red Line starting at 95<sup>th</sup> Street on the south side of Chicago. This will not be possible due to a significant construction project. IDOT has empty conduit along the Dan Ryan from 95<sup>th</sup> Street to 26<sup>th</sup> Street which ICN plans to use. Staff is meeting with the City of Chicago and the Chicago Transit Authority to use existing conduit to complete the path. This change results in additional costs and requires approval from NTIA. The risk is getting this finalized, approved and completed in the next 6 months.
- Another issue is the route to McHenry College. There is a road widening project along Route 14 which is a portion of the planned fiber route. IDOT has not completed the land acquisition to expand the right of way. IDOT is optimistic it will secure the land easements within the next few months which will allow the contractor to begin installing the conduit and fiber.
- Construction on the lateral to Morton High School in the Peoria area is on hold due to utility congestion along the planned route. ICN staff are concerned that there is not enough time remaining in the grant project to secure approval for a route change. Staff are meeting with the companies with fiber in the area to discuss a fiber lease.

There are 56 CAI sites that require inside plant construction. Orders for 45 of 56 sites have been issued and work at 18 of the sites is complete. A small number of sites are actually receiving service using the new fiber connection: Litchfield CUSD 12, Auburn Junior High, Mt. Olive Junior and Senior High Schools and Waubensee Community College. Staff and contractors are working to complete all the inside plant work by June 1<sup>st</sup>.

There have been no changes in the leased fiber miles. 570 of 600 miles secured. CMS is negotiating contracts with PEG Bandwidth and Chicago Transit Authority for the remaining miles.

ICN has spent \$57 million of \$96 million. This includes \$25 million in federal and \$18 million of Illinois capital funds. Staff is projecting to be under budget and has submitted a project expansion request to NTIA. If approved, ICN will not begin on the expansion routes until the costs for the revised Chicago route are solidified.

Kirk introduced Essam El-Beik. Essam is a contractor with a background in the wholesale broadband market and is working with the ICN staff to solicit and secure a partner to perform sales and marketing for ICN's wholesale services.

Essam has met with twelve similar projects in other states and has developed a framework for the partner responsibilities and a financial business case looking at the sustainability of ICN. ICN will be issuing a request for information and public comment in early February to gather more information on the proposed framework and responsibilities of the sales and marketing partner.

In meeting with the other state networks similar to the ICN, Essam found that BTOP projects fell into 1 of 4 categories:

- The grant recipient has little or no experience with operating a network and outsources the operation and management of the network to a third party. For example, in Massachusetts, teams were put together to receive grant money. Once they received it, they issued an RFP to have a partner implement and operate the grant project.
- In the next category, the award recipient has experience in operating the network, but they completely segment out the network supporting the commercial sector and non-core customers. This is where the recipient has a particular mission and focus. For example, in North Carolina the network is only focused on education. They do not have a goal of economic development throughout the whole state. They built the network to support education and have contracted with a third party to sell the remaining dark fiber.
- The next category is where the awardee has experience operating the network, doesn't segment out the network to support the commercial sector but does outsource some responsibilities based on resourcing. For example, Oklahoma has outsourced operations and maintenance.
- The final category is where in some states, the state was prevented from selling service to the commercial sector.

Committee members expressed concern the state would not provide funding to keep the network operational. Lori acknowledged that it's very possible the state will discontinue funding. If the appropriation is

zero, Lori believes the ICN will remain viable based on its paying customer base and new customer base as a result of the fiber project. Most schools and libraries will not have money in their budget to pay for ICN services even under the new rate structure. Most will buy commercial internet with no reliability.

#### **E-rate**

Tom Oseland reported that the 2012 application totaling a little over \$3 million was approved. 2012 will be the ICN's last application as a recipient. The 2011 application which is also a little over \$3 million is still in review.

The ICN is now listed as a service provider in the schools and libraries e-rate program under the internet access category. Customers will be able to request reimbursement for services purchased from the ICN. The RTC staff has been responding to quote requests from schools and libraries.

#### **Open Meetings Act**

Lori provided an update on the impact of changes to the Open Meetings Act. Since the Policy Committee does not approve budgets and personnel decisions, the changes regarding electronic attendance is not applicable. However, the Committee does need to adopt a policy regarding public participation in meetings. Staff will develop a proposed policy for the Committee's consideration.

A motion was made by Kathleen Bloomberg to adjourn the meeting. The motion was seconded by Mike Dickson. The motion carried. The meeting adjourned at 2:30 p.m.

**ILLINOIS CENTURY NETWORK**

**ILLINOIS BROADBAND OPPORTUNITY PARTNERSHIP UPDATE**

**Submitted for:** Information

**Summary:** Provides an update on the Illinois Broadband Opportunity Partnership.

**Action Requested:** None

**Recommended Motion:** None

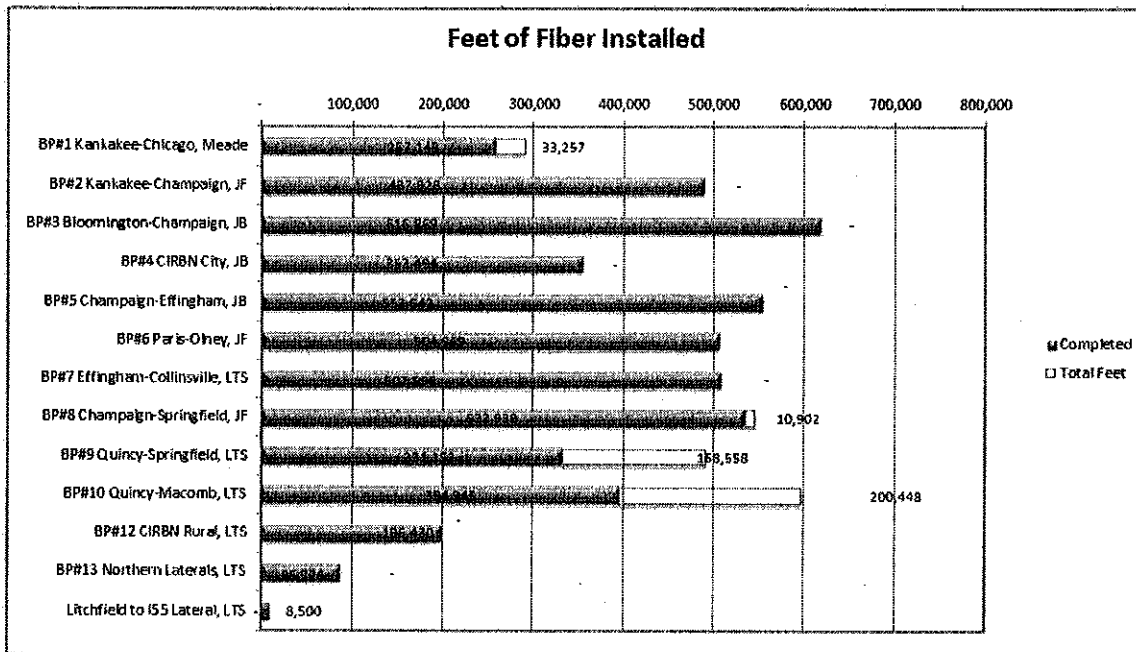


## ILLINOIS CENTURY NETWORK

### ILLINOIS BROADBAND OPPORTUNITY PARTNERHSIP UPDATE

#### Construction

To date all conduit has been installed and about 915 of 1,000 miles of fiber has been installed. Following is a snapshot of progress by package.



#### Fiber Leases

ICN has complete one of the two remaining fiber leases for a total of 681 of 700 leased miles complete. ICN is working with the Chicago Transit Authority on the remaining lease.

#### Budget

As of March 31, 2013 project expenditures total \$66M of the \$96M. CMS has received \$30M of the \$64M in federal funds and \$18M of the \$26M in Illinois capital funds plus another \$6M in state funding.

#### Community Anchor Institution (CAI) Connections

Nineteen CAIs are connected and capable of receiving services. The majority of the CAI connections will not take place until the associated backbone route is completed.

#### Project Expansion

ICN received approval from the National Telecommunications and Information Administration (NTIA) for the proposed expansion routes pending available grant funds. Construction will not proceed on the expansion routes until the costs for the Chicago reroute are solidified.

**Wholesale Customers**

ICN has executed the first fiber lease agreement and is in negotiations on several more. Staff is continually responding to requests for quotes from a variety of service providers.

The Request for Information and Request for Public Comment were issued with responses due in March. ICN received no responses to the Public Comment and eight responses to the Request for Information. Staff are conducting follow up calls with the respondents. The Request for Proposals is on target to be issued midyear.

**ILLINOIS CENTURY NETWORK**

**ICN FUNDING UPDATE**

**Submitted for:** Information

**Summary:** This item provides an update on ICN funding.

**Action Requested:** None

**Recommended Motion:** None

**ILLINOIS CENTURY NETWORK**

**ICN FUNDING UPDATE**

ICN staff are working with the Governor's Office and the Office of Management and Budget to solidify the funding levels for FY14. Staff will present the latest information at the meeting.

**ILLINOIS CENTURY NETWORK**

**NEW POLICIES AND RATES**

**Submitted for:** Information

**Summary:** This item provides an update on new policies and rates.

**Action Requested:** None

**Recommended Motion:** None

## ILLINOIS CENTURY NETWORK

### NEW POLICIES AND RATES

ICN Staff has been working with the Advance Engineering Taskforce (AET) to develop new policy guidelines and establish rates for some special services which will be effective July 1, 2013. The AET has approved the recommendations put forward by ICN staff which provides direction for a number of open customer service issues.

#### Examples include:

- Share bandwidth allocation model for networks where members share all the available bandwidth within the network.
  - Issue – how do we ensure that only the primary constituents within the shared network receive the full bandwidth available to them through their allocation?
  - Recommendation – Primary and non-primary constituent bandwidth would be handed off to the shared network through two separate virtual connections. The same level of allocation would be provided to the primary constituent members of the shared network that would be available to them if they each connected to the ICN as an individual organization connection.
- Backup bandwidth service where an organization requests the ICN to provide a significant level of bandwidth in the event their primary provider fails.
  - Issue- Several large organizations have asked the ICN to act as a backup provider able to handle failover bandwidth at high levels of 200 to 1000 megabits per second.
  - Recommendation – ICN will implement a monthly recurring charge to the organization and allow a failover at the requested bandwidth level for a 24 hour period per year. After 24 hours, normal bandwidth costs would apply.
- Expedited service request where an organization requests an emergency increase in bandwidth in support of a special event or failure of a secondary provider.
  - Issue- ICN is often asked to increase bandwidth levels on an emergency basis which requires the involvement of multiple engineers.
  - Recommendation – ICN will implement a “service expedite” fee to recover the engineering costs.
- Router and network configurations such as Quality of Service applied locally or across the ICN backbone.
  - Issue- Special configurations typically take many hours to implement and when applied across the backbone requires the involvement of multiple engineers.
  - Recommendation – ICN will implement a nominal cost for Quality of Service configurations.
- Services provided to organizations where ICN is not their primary provider such as DNS hosting, IP address assignments and BGP configurations.

- Issue – Many organizations which have left the ICN or maintain an ICN connection only for the allocation still prefer to have the ICN continue to provide certain services because of the network's reliability and technical support.
- Recommendation – Still being developed.
  
- 24x7x365 monitoring and NOC support for management release customers which do not purchase bandwidth from the ICN.
  - Issue – Constituents value our NOC service and have asked us to monitor their connection and notify them if we detect an issue.
  - Recommendation – ICN will implement a nominal fee for monitoring service for these constituents.

**ILLINOIS CENTURY NETWORK**

**E-RATE UPDATE**

**Submitted for:** Information

**Summary:** This item provides an update on ICN E-rate funding request.

**Action Requested:** None

**Recommended Motion:** None



**ILLINOIS CENTURY NETWORK**

**E-RATE UPDATE**

The chart below summarizes E-rate funding activity and status for each funding year application.

**E-rate Activity**

<b>Funding Year</b>	<b>Received</b>	<b>Approved – Not yet received</b>	<b>Applied for Not yet approved</b>	<b>Under Appeal</b>
Year 3 (2000)	\$2,137,765	-0-	-0-	N/A
Year 4 (2001)	\$2,522,559	-0-	-0-	N/A
Year 5 (2002)	\$4,996,227	-0-	-0-	N/A
Year 6 (2003)	\$4,644,171	-0-	-0-	N/A
Year 7 (2004)	\$2,497,427	-0-	-0-	N/A
Year 8 (2005)	\$2,424,567	-0-	-0-	N/A
Year 9 (2006)	\$982,392	-0-	-0-	N/A
Year 10 (2007)	\$953,998	-0-	-0-	N/A
Year 11 (2008)	\$799,251	-0-	-0-	N/A
Year 12 (2009)	\$1,339,032	-0-	-0-	N/A
Year 13 (2010)	\$2,982,199	-0-	-0-	N/A
Year 14 (2011)	N/A	N/A	\$3,353,278	N/A
Year 15 (2012)	N/A	\$3,102,382	N/A	N/A
<b>Totals</b>	<b>\$26,279,588</b>	<b>\$3,102,382</b>	<b>\$3,353,278</b>	<b>-0-</b>

As of this writing, the 2011 ICN E-rate application has been moved to the "Final Review" status with USAC. This application has been through rigorous review and has now reached the point where it should be approved for funding very soon. The total amount of the application is \$3,353,277.77. Final reimbursement amounts will be somewhat lower than this in total due to decreased network costs throughout the 2011-2012 funding year.

During the 2013 E-rate application cycle, ICN RTC staff responded to hundreds of customer E-rate applications with quotes to provide Internet services. There was a total of 116 E-rate applications filed by Illinois school and library E-rate applicants with USAC that listed the ICN as their service provider. The total funding amount applied for through these applications was \$938,426.72. The total cost of services upon which the funding requests were based was \$1,406,010.22. These applications will now enter the review process with USAC. Funding commitments will not be known until the reviews are completed over the next several months.

**ILLINOIS CENTURY NETWORK**

**ADVANCED ENGINEERING TASKFORCE APPOINTMENTS**

- Submitted for:** Action
- Summary:** This item seeks confirmation of new members and renewal of those appoints that expire in 2013
- Action Requested:** That the Policy Committee approves the confirmation of the new member and renewal of those appoints as requested, that expire in 2013.
- Recommended Motion:** *The Policy Committee approves the confirmation of new members and renewal of those appointments that expire in 2013.*

## ILLINOIS CENTURY NETWORK

### ADVANCED ENGINEERING TASKFORCE: MEMBERSHIP APPOINTMENT

Participation in the Advanced Engineering Taskforce (AET) continues to be strong and includes a balance of constituent categories, size, and geography. The table on the next page shows a representation of the current AET membership.

The AET is seeking reappointment for the following members whose terms expire in June 2013. The new two year term would extend through 2015, and the new three year terms would extend through 2016.

- Andrew Bullen, Illinois State Library (3 year term)
- Tracy Smith, University of Illinois (3 year term)
- Dennis Gallo, O'Fallon CCSD 90 (3 year term)
- Ken Davis, Sangamon County 911(3 year term)
- Brian Tobin, DeKalb CUSD 428 (2 year term)
- Community College President's Technical Counsel (3 year term)
- Michael Dickson (3 year term)
- Jim Peterson, Bloomington School District 87 (3 year term)

The AET did not have a participant from the healthcare constituency group this past year. Mr. Bandy serves as the Information Services Security Officer for Memorial Health System in Springfield, and has expressed an interest in serving as a member of the AET.

The AET is not seeking reappointment for the following members whose terms expired in June 2013.

- Sam Ferguson, Village of Schaumburg - Retired
- Kevin Moran, City of Chicago - Unable to participate during current term appointment; CMS/ICN staff attempted to reach via phone, but have not heard from Kevin.
- Ed Waggoner, Chicago Public Schools - Unable to participate during current term appointment; CMS/ICN staff attempted to reach via phone, but have not heard from Ed

The staff recommends adoption of the following resolution:

*The Policy Committee approves the confirmation of the new member and renewal of those appointments as requested, that expire in 2012.*

# Advanced Engineering Taskforce Member Matrix 2013

K-12 Schools	Community Colleges	Universities	Libraries	Museums	Other Institutions	Units of Local Government	State Agencies	Staff
Jim Flanagan II Chief Technology Officers (2015)	*Comm. College Pres. Tech. Council (2013)	Michael Shelton SIU (2015)	Andrew Bullen Illinois State Library (2013)	Robert Dulski Brookfield Zoo (2014)	John Bandy Memorial Health System (2015)	Sam Ferguson City of Schaumburg (2013)		Kirk Mulvany CMS
Dennis Gallo O'Fallon CCSD 90 (2013)	Alan Pfeifer Sauk Valley Comm. College (2014)	Mike Dickson (2013)	Brandon Gant CARLI (2015)	Rob Zschernitz Field Museum of Natural History (2015)		Glen Trommels City of Rockford (2015)		Robin Woodsome CMS
Brian Tobin DeKalb CUSD 428 (2013)	Rich Kullig COD (2015)	Steve Menken ISU (2014)	Troy Brown Shawnee Library System (2014)			Kevin Moran City of Chicago (2013)		Lori Sorenson CMS
Jim Peterson Bloomington Schools (2013)	Scott Armstrong Kishwaukee Comm. College (2015)	Joel Mambretti Northwestern University (2015)				Ken Davis Sangamon County (2013)		Frank Walters CMS
Ed Wagoner Chicago Public Schools (2013)		Tracy Smith (serving out Dr. Deanna Raineri's term) UIUC (2013)						
		Brian Murphy EIU (2014)						
		Herb Kuryliw NIU (2015)						

**ILLINOIS CENTURY NETWORK**

**OPEN MEETINGS ACT**

**Submitted for:** Information

**Summary:** This item seeks to review the requirements of the Open Meetings Act

**Action Requested:** None

**Recommended Motion:** None

## **ILLINOIS CENTURY NETWORK**

### **OPEN MEETINGS ACT**

In accordance with the Open Meetings Act (5 ILCS 120/) the Policy Committee is required to adopt rules governing how public comments are to occur at meetings. Staff presents the following rule for discussion:

A representative of the general public may request the opportunity to make a presentation, provided that his/her request is made to the Committee Secretary no later than three business days prior to the Committee meeting for which the request to make a presentation is made, except as an emergency might require. Appearance, if approved by the Chairperson, will be subject to reasonable time limits and relevant to subjects on the meeting's agenda. The party whose request for appearance is approved will be notified in advance of the appointed time and place. The time and appearances which have been approved will be scheduled as the Committee agenda permits or as the Chairperson deems appropriate.