

**ILLINOIS CENTURY NETWORK**  
**July 19, 2010 POLICY COMMITTEE MINUTES**

Greg Wass called the meeting to order at 1:13 PM.

Members present:

Greg Wass, Office of the Governor	Beth Shea for Bonnie Styles, IL State Museums
Chet Olson, Mayor of Rochelle	Amy Edwards, IL Board of Higher Education
Todd Jorns, IL Community College	Ann Craig, Illinois State Library
Mike Dickson, Western Illinois University	Scott Norton, State Board of Education

Staff and guests:

Lori Sorenson, Central Management Services	Kirk Mulvany, Central Management Services
Tom Oseland, Central Management Services	Kathleen Bloomberg, Illinois State Library
Robin Woodsome, Central Management Services	Frank Whitney, AT & T
Scott Stitt, Department of Transportation	Carla Poani, AT & T
Ed Conlon, Cook County	Rusty Winchel, Northern Illinois University
Ray Cagle, Clearwave Communications	Herb Kuryliw, Northern Illinois University
Scott Riggs, Clearwave Communications	Deborah Kelley, Central Management Services

Greg Wass reported that Illinois has four of six ARRA broadband infrastructure applications in due diligence and hope to have great news to report at the next meeting. Greg recognized the public/private collaboration behind these applications and credited this collaboration for the success in advancing four of the six applications to due diligence. This effort supports the Governor's agenda and the needs around the state.

**Minutes**

Greg introduced the first item on the agenda, the approval of the minutes from April 19, 2010. There was one correction:

The State Library, in collaboration with the Department of Commerce and Economic Opportunity applied for a Public Computing Center grant. The total request was nearly \$4.2 million and not \$922 million as recorded.

The correction has been made. Greg asked for a motion to approve the minutes. Chet Olson motioned that the minutes be approved with the correction. Mike Dickson seconded the motion. Motion carried.

**ARRA Broadband Funding Round Two**

Lori provided an overview of the state supported, fiber-based broadband infrastructure applications. About a month before the application deadline; the Governor's Office received feedback from NTIA encouraging larger, regional collaborations. The Governor's Office organized a group of broadband leaders across state agencies, universities and local governments to develop a plan for organizing regional collaborations within the remaining time. The group reviewed the list of fiber, based broadband projects that applied for state technical and/or financial support and organized the projects by geographic area. The state reached out to the individual applicants and recommended they collaborate to submit a single application to the NTIA. The groups combined to submit six regional applications which covered nearly all areas of the state. The four projects in due diligence provided an overview of their project.

**Cook County Regional Consortium** – Ed Conlon spoke on behalf of this project. This consortium includes Cook County, South Suburban Mayors and Managers Association (SSMMA), Will County 9-1-1 and Urban Com (wireless). The area covered includes southern Cook County and the southeast portion of Will County. The wireless service area includes Cook County west and south and Will County. There are 127 anchor institutions that will benefit from this project. The network topology includes 266 miles of fiber optic infrastructure – 96-strands single mode providing dark fiber to meet the open access requirements of the broadband program. Cook County hospitals are looking for a minimum of 80GB.

The target speed for most community anchors will be 1GB at a monthly cost of approximately \$1,800. 100MB service would cost about \$1,200 dollars and a 10MB service would be \$800 per month. Dark fiber access for non-members would be \$800 per strand. These are preliminary numbers and may change as the project progresses.

Greg asked the question, with the existing infrastructure in Cook County and northern Illinois, has the team included data that suggests these areas are under or un-served? Ed Conlon responded that the area covered by the South Suburban Mayors and Managers association is economically challenged and underserved.

Greg asked when the infrastructure will interconnect with the ICN. Ed responded there is no specific timeframe.

**East Central Region (ICN)** –Lori Sorenson provided the overview of the East Central project. The proposed fiber route includes just over 1,000 miles of new construction fiber (144 count) as well as using just over 1,000 miles of existing fiber. ICN incorporated the use of leased fiber in an effort to reduce the overall project cost while maximizing the geographical area. There are 55 counties directly impacted along with 3,138 community anchors. There is a community driven initiative out of the Bloomington/Normal area titled the Central Illinois Regional Broadband Network (CIRBN). The CIRBN and ICN projects were combined as part of the statewide regional collaborations. CIRBN is being led by Scott Genung/Illinois State University.

Greg asked if the round two announcements would be made at one time. Herb Kurylew responded that he recently attended training for round one awardees and it was announced that NTIA had \$1 billion in awards ready to announce.

**Southern Region (Clearwave)** – Ray Cagle represented the Southern project. This project is led by Delta Communications which does business as Clearwave Communications. Clearwave is a facilities based competitive local exchange carrier headquartered in Harrisburg, Illinois. Currently, Clearwave leases lines from Mediacom, KDL and Verizon (now Frontier). Leased fiber increases costs and there is no redundancy for the network. The proposed map represents 740 miles of fiber, 33 points of interconnection, and covers 23 counties in southern Illinois. This new map comes with loops and redundancy so one cut is not going to take down everyone. There are 665-miles of backbone and 75-miles of lateral fiber that gets to anchor institutions. This project will directly connect 232 anchor institutions. Services will range from 10 MB to 10 GB.

The Clearwave network will interconnect with the ICN at Belleville, Olney and Carbondale. The other key public/private partnership is through a group known as the Counties of Southern Illinois (a consortium of 18 counties). The project will cost \$45M which includes \$31M in ARRA funding, \$11M from the state and \$2.5M from private funding.

Scott Norton asked about the source for the \$2 million in private funding. Ray responded that Clearwave is a private company with investors.

Herb Kuryliw asked if they will be offering dark fiber. Ray responded yes.

Greg Wass asked how the Southern network helps ICN. Ray explained that Clearwave will be trading fiber with ICN. This allows ICN to reach its network POP sites in southern Illinois and allows Clearwave to reach Internet egress providers in Chicago.

**Northwest Region (Northern Illinois University)** – Herb Kuryliw represented the Northwest Region. He reported that the NTIA really appreciated the collaboration among the broadband applicants and the inclusion of private businesses. As a result, the NTIA has challenged with choosing among several great projects given the funding limitations.

IBOP Northwest includes LaSalle County, which is a very large county and Blackhawk Hills RC& D (which is a six county region to the west of I-39 including Whiteside, Jo Davies, Carol, Stephenson, Winnebago, Boone, Lee and Ogle). The project includes multiple partners including the DeKalb County project which was awarded a grant in round one. The

project entails about 711 miles of fiber. NTIA required the project to reduce the fiber builds in Rockford as NTIA believes Rockford is a served area. Rockford will be more leased fiber and less build. NTIA did allow the project to keep fiber builds to the fire stations and the 911 centers. The network will offer 1GB of service for about \$600 per month – it will depend on the cost of maintenance because it will be equally shared among participants.

There are 562 anchors institutions defined – 8 community colleges, 200 k-12, 44 libraries, 65 healthcare institutions, 88 public safety, 112 local government facilities, and 45 YMCAs and Youth Service Bureaus types.

### **Department of Transportation - Dig Once Fiber Optic Conduit Installation**

Scott Stitt from DOT provided a report on the Dig Once Fiber Optic conduit legislation passed on July 13, 2009. The legislation was a Governor Quinn initiative that stemmed from the Broadband Deployment Council. It requires DOT to include the installation of conduit in all construction projects.

DOT assembled a working group including Mark Kinkade, Bureau of Information Processing, and Operations and Design staff. They have developed a provision for contracts and we have asked the regional engineers (program and project choices are determined by the local engineers) for suggestions on orders and projects that would qualify for this statute. The vast majority of projects do not break ground – they are basically service or maintenance. The legislation requires DOT to work with Central Management Services to identify those construction projects.

Greg Wass inquired if this something DOT would work into its methodology for design or would DOT wait for the project to occur before it starts implementing any design? Scott responded DOT has written the provisions to be included in design specifications and has also written other policy documents to ensure the conduit is considered for any project that meets the criteria in the statute. Scott reported that it took a long time to determine what would be the appropriate type, number and depth of conduit and the rest we talked with the people in the industry to make sure what they had is good from the beginning.

Greg Wass asked if the conduit is funded by state capitol. Scott responded there is no federal funding. There was some money included in a multi-year program, maybe \$5 million a year, because no one knew what opportunities there would be or how much it would cost. DOT consulted the Federal Highway Administration and they didn't think federal funds could be used – they are required to be used for transportation services only.

Lori Sorenson asked if the DOT specification called for multiple conduits. Scott responded that the provision specify three 1.5" diameter conduits. Two of which will be reserved for DOT, and the other for whatever.

Lori voiced concern that if there is only one tube available to the public, as soon as one company leases and pulls fiber in the conduit then there is nothing left for other companies. Most private companies will not lease dark fiber so if they lease the conduit, they take it out of the market for everyone else. Lori suggested the Broadband Deployment Council convene the Infrastructure Committee to offer suggestions to DOT on what would be most beneficial. Scott explained DOT has depended on Mark Kinkade for the technical details.

Lori asked Herb to explain the multi-tube conduit he is using for the DeKalb project. Herb explained they use Future Path conduit (1.25" duct that has 7 micro ducts). Each micro duct has the capability of supporting 144 fibers. Multiple vendors will not pull their cable through the same duct. Herb suggested DOT consider the micro duct system because you will get seven vendors that could use that fiber as opposed to one and maybe two if with an override. It provides more flexibility and then the duct is only about one dollar more per foot – but well worth the investment.

Chet Olson commented that if federal transportation dollars are involved, it may have certain federal mandates. He recommended reviewing the federal guidelines before moving on.

### **Advanced Engineering Taskforce Membership**

Greg thanked the members of the Advanced Engineering Taskforce for their hard work and dedication.

Kirk Mulvany presented this item. There are three term appointments that expired in June. Staff are seeking three, 3-year appointments to fill vacant spots and/or replace existing members who have been unable to participate on a regular basis. On the list:

Renewal: Doug Minter with Heartland Community College has been serving in the position of the Community College President's technical council and has been participating in all the meetings. This would be approving that position so whoever is in that position would be the one attending the meetings.

Vacancy: Brian Tobin DeKalb CUSD 428 was recommended by the other K-12 members. Brian is working with the Illini Cloud team to establish a northern Illini Cloud data center.

Vacancy: Ken Davis Sangamon County is actually the Deputy Director of 911. He oversees all the technology and supports 911 systems throughout the county. 911/public safety is not represented on the Taskforce so this would be a great addition.

A list of all the members, their affiliation, and the dates their appointments expire was distributed. The staff is recommending the adoption of the following resolution "The Policy Committee approves the confirmation of new members and renewal of those appointments that expire in 2010".

Greg commented that it looks like there are some good new appointees and extended his thanks to the people that referred them.

Ann Craig reported that Rob Zschernitz from the North Suburban Library System is no longer with the library.

Kirk asked if there are any other recommendations to replace Rob Zschernitz or would everyone be comfortable with just having three library representatives? Ann responded not at this time.

Scott Norton made a motion to approve the new Advanced Engineering Taskforce members. Chet Olson seconded. All members voted in favor of the appointments. Mike Dixon abstained from this vote.

#### **E-rate**

Tom Oseland reported that at the last meeting, that \$334,000 was pending receipt for the 2008 funding year. This funding has been received.

Staff are preparing final calculations and figures for the 2009 application. Now that the fiscal year is over, the actual spend can be reviewed. Staff estimate that the final request will be a little over \$1.3M. The 2010 application is still in review. It will probably be around \$3M.

#### **Next Meeting**

The next meeting is scheduled for October 18<sup>th</sup>. The Community College Board is still under construction. The Springfield location could be either the State Library or State Board of Education.

Chet Olson made a motion to adjourn the meeting, Greg Wass seconded the motion. The motion carried.