Illinois Century Network

Policy Committee Meeting Agenda

January 9, 2018
1:00 p.m.
ILLINOIS CENTURY NETWORK
POLICY COMMITTEE
MEETING AGENDA
January 9, 2018
1:00 P.M.

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Next Meeting
April 10, 2018
Illinois State Library, Springfield
James R. Thompson Center, Chicago
Submitted for:  Action

Summary:  Distribution of the October 10, 2017 minutes for review by the Policy Committee.

Action Requested:  Adoption of the October 10, 2017 minutes.

Recommended Motion:  The ICN Policy Committee adopts the October 10, 2017 minutes with any edits as noted.
Kirk Lonbom called the meeting to order at 1:00 p.m. Kirk has been appointed Acting Secretary for the Department of Innovation and Technology, replacing Hardik Bhatt.

Members Present (Springfield):

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
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<tr>
<td>David Antonacci, Board of Higher Education</td>
<td>Michael Dickson</td>
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<tr>
<td>Lori Sorenson, Central Management Services</td>
<td>Todd Jorns, Illinois Community College Board</td>
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<td>Kirk Lonbom, Department of Innovation &amp; Technology</td>
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Members on Audio Bridge:

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<tr>
<th>Name</th>
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<tr>
<td>Chet Olson</td>
<td>Tom Steele</td>
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Members Absent:

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<tr>
<th>Name</th>
<th>Office</th>
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<tr>
<td>Greg McCormick, Illinois State Library</td>
<td>Michael Wiant, Illinois State Museum</td>
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<td>Brent Engelman, State Board of Education</td>
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Staff and Guests:

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
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<tr>
<td>Essam El-Beik, Department of Innovation &amp; Technology</td>
<td>Robin Woodsome, Department of Innovation &amp; Technology</td>
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<tr>
<td>Val Bolinger, Department of Innovation &amp; Technology</td>
<td>Judy Zhu, Department of Innovation &amp; Technology</td>
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<tr>
<td>John Leonard, Department of Innovation &amp; Technology</td>
<td>Carla Poani, AT&amp;T</td>
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<tr>
<td>Tom Osland, Department of Innovation &amp; Technology</td>
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Announcements and Remarks

Lori Sorenson introduced Kirk Lonbom. Kirk Lonbom welcomed board members and guests.

Minutes – April 11, 2017

Kirk Lonbom introduced the first item on the agenda, approval of the minutes from the April 11, 2017 meeting. A motion was made by Todd Jorns to accept the minutes. The motion was seconded by Dave Antonacci. The motion carried.

E-rate Update

Tom Osland provided the E-rate update and referred members to pages 7 of the meeting packet. The 2016-17 E-rate funding year ended on June 30, 2017. 325 of the 337 applications that listed ICN as the service provider for Internet access were approved for funding support. Reimbursement claims activity has taken place with both ICN customers as well as the ICN preparing and submitting claims to USAC for reimbursement of approved funding. To date, the USAC database shows a total of approximately $1,424,595 that’s been claimed in funding support for ICN services. Of this total, ICN has received $1,184,439.83 in reimbursements for invoice discounts given throughout the year to customers with approved E-rate funding. ICN customers that chose to submit reimbursement claims after paying for their ICN services in full have received a total of $240,155.30 in E-rate funding. With very few exceptions, the deadline for submitting reimbursement claims is October 30, 2017. The 2017-18 E-rate funding year is under way with 271 applications filed that list the ICN as the Internet service provider. 243 of these have been approved for funding. These approved applications represent a total of approximately $1,668,105 in E-rate funding support for ICN services. Several applications remain at various stages in the review process.

K-12 Broadband Initiative
Essam El-Beik reported that Education Superhighway released their annual State of the States Report documenting progress in ensuring all schools have access to scalable and affordable broadband. Highlights for Illinois include 89% of school districts representing 1,255,345 students meet the minimum connectivity goal of 100 kbps per student, 94% of schools have the fiber connections they need to keep up with the growing bandwidth demand and $80.8M of E-rate funding is left to support Wi-Fi network upgrades. Essam discussed some of the near-term action items that included general communication updates on the ISBE website, upcoming webinars, regional E-rate workshops and engaging legislators/stakeholders about state matching fund.

**Smart State Initiative**
Essam El-Beik provided the update. An RFP was issued in 1Q 2017 for Smart Street Lighting, to facilitate Illinois municipality upgrades of street lights to LED lights, including financing options and value add services. We are still in the procurement process and expect to announce a vendor award 4Q 2017. ICN team members attended the Illinois Municipal League conference and have a sign-up sheet of over 40 municipalities interested in Smart Street Lighting. After contract award and contract execution with the chosen 3 vendors, we will begin facilitating municipality use of the Smart Street Lighting State Master Contract. Discussion conducted regarding the role of the Illinois Century Network (ICN) with smart lighting, future services and IoT.

**ICN Events Update**
Valerie Bolinger provided the report and referred members to pages 13 through 21 of the meeting packet. Governor Rauner kicked-off this year’s TECH 2017 Conference with a group selfie and acknowledged the importance of technology in the classroom. Highlights of the event and success stories from some of the Illinois schools who participated are in the meeting packet. Hundreds of students demonstrated the creative ways technology is being used to enhance and accelerate student achievement in Illinois schools today. The Department of Innovation & Technology/Illinois Century Network (DoIT-ICN) was proud to be a supporter and sponsor of TECH 2017.

**Advanced Engineering Task Force Membership**
Lori Sorenson referred members to page 23 of the meeting packet. The AET is seeking approval on the appointments of Dave Antonacci, Associate Director for Information Management, Illinois Board of Higher Education, and Jim Edwards, Director of IT, City of Decatur, IL. These individuals have expressed an interest in serving on the AET board. A motion was made by Mike Dickson to appoint Dave Antonacci and Jim Edwards to three-year terms to expire June 30, 2020. Todd Jorns seconded the motion. Motion passed with Dave Antonacci abstaining.

**Adjourn**
Todd Jorns moved to adjourn the meeting. David Antonacci seconded the motion. Motion passed and meeting adjourned at 2:12 p.m. The next meeting will be January 9, 2018 at the Illinois State Library in Springfield, the JRTC in Chicago or Webex.
Submitted for: Action

Summary: This item seeks approval for a new member for the Advanced Engineering Task Force.

Action Requested: That the ICN Policy Committee approves the new members for the board.

Recommended Motion: That the ICN Policy appoints Glen R. Liljeberg as a new member with a term to expire in June 2020.
The Advanced Engineering Task Force (AET) serves a critical role in shaping the services, rates and policies for the Illinois Century Network. Membership consists of technical staff representing the diverse community anchor institution categories connected to the network. AET members are appointed by the Policy Committee and serve staggered three-year terms which begin July 1st.

The AET is seeking approval on the appointment of the following member:
Glen R. Liljeberg, Director of Information Technology, Westmont Village

The staff recommend adoption of the following resolution:
That the AET appoint Glen R. Liljeberg as a new member with a term to expire in June 2020.
Submitted for: Informational

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

Action Requested: None

Recommended Motion: None
ILLINOIS CENTURY NETWORK
E-RATE UPDATE

The 2017-18 E-rate funding year is now past the halfway point. Of the 271 applications filed that list the ICN as the Internet service provider, 262 have been approved for funding. These approved applications represent a total of approximately $2,006,117 in E-rate funding support for ICN services. Only a few applications remain that are awaiting a funding decision. Of total approved funding, it is expected that only about half will be utilized during this funding year.

Some reimbursement activity has taken place during this first half of the 2017-18 funding year. Applicants have requested approximately $7563 in direct reimbursements in support of payments made in full for ICN services. ICN staff have placed claims related mainly to the first quarter of the year and about $221,510 has been collected for invoices discounts given to ICN customers.

USAC has announced the dates of the filing window for the 2018-19 E-rate funding year. It will open on January 11, 2018 and will closed on March 22, 2018. ICN staff are currently in the process of responding to customer requests for bids on services via the FCC Form 470. This form is the starting point of the application process.

The chart below summarizes activity for the ICN as a service provider in the E-rate program beginning with the 2013 funding year; the first year in which ICN participated as an Internet service provider.

<table>
<thead>
<tr>
<th>Service Provider Activity</th>
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<tr>
<td>Funding Year</td>
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<td>Year 16 (2013)</td>
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<td>Year 17 (2014)</td>
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<tr>
<td>Year 18 (2015)</td>
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<tr>
<td>Year 19 (2016)</td>
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<tr>
<td>Year 20 (2017)</td>
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<tr>
<td>Totals</td>
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The chart below summarizes ICN E-rate application history for each funding year up to 2012.

<table>
<thead>
<tr>
<th>Funding Year</th>
<th>Received</th>
<th>Funding Year</th>
<th>Received</th>
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<tbody>
<tr>
<td>Year 3 (2000)</td>
<td>$2,137,765</td>
<td>Year 10 (2007)</td>
<td>$953,998</td>
</tr>
<tr>
<td>Year 5 (2002)</td>
<td>$4,996,227</td>
<td>Year 12 (2009)</td>
<td>$1,339,032</td>
</tr>
<tr>
<td>Year 7 (2004)</td>
<td>$2,497,427</td>
<td>Year 14 (2011)</td>
<td>$2,561,151</td>
</tr>
<tr>
<td>Year 8 (2005)</td>
<td>$2,424,567</td>
<td>Year 15 (2012)</td>
<td>$2,520,377</td>
</tr>
<tr>
<td>Year 9 (2006)</td>
<td>$982,392</td>
<td><strong>Totals</strong></td>
<td><strong>$31,361,116</strong></td>
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</table>
Submitted for: Informational

Summary: This item provides an update on the K-12 Broadband Initiative program.

Action Requested: None

Recommended Motion: None
ILLINOIS CENTURY NETWORK  
K12 BROADBAND INITIATIVE

State of Illinois continues to work with the non-profit Education Superhighway for the K-12 Broadband Initiative to ensure all schools have access to scalable and affordable broadband. The goals of the initiative and data recently reported in the State of the States report is given below:

Ensuring all schools are connected to the minimum recommended bandwidth goal
- 631,948 students in 97 school districts still need to be connected to the minimum recommended bandwidth goal of 100kb/s per student
- 1,255,345 students in 756 school districts meet the minimum recommended bandwidth goal

Ensuring all schools have scalable broadband
- 188 schools still need fiber with 70% in rural and small-town communities
- 3,171 schools have fiber infrastructure

Ensuring all schools meet benchmark prices for broadband services
- 202 school districts do not meet national benchmark prices for broadband services
- 482 districts meet benchmark prices for broadband services

Ensuring all schools have upgraded Wi-Fi
- $80.8 million in Wi-Fi funds still available for 790 school districts
- $291.5 million was made available for Wi-Fi upgrades in all districts

Action items to address the goals include:
- School district site visits planned for January 8th - January 19th.
- E-rate workshops held by Learning Technology Centers (LTC) with support by Education Superhighway
- Release of Notice of Funding Opportunity in December 2017 by Illinois State Board of Education (ISBE). ISBE intends to include a request for $6.3 million in its FY 2019 budget recommendation to the General Assembly in January for state matching funds to capture additional federal funds available with a state match.
- 2 service provider meetings to be held on January 16th & 18th – to update service providers on the K-12 Broadband Initiative and to facilitate service provider deployment of broadband
- Education Superhighway support to target fiber districts
- Webinars covering Category 1 and Category 2 services and Compare and Connect K-12 tool
Submitted for: Informational

Summary: This item provides an update on the Smart State Initiative.

Action Requested: None

Recommended Motion: None
An RFP was issued in 1Q 2017 for Smart Street Lighting, to facilitate Illinois municipality upgrades of street lights to LED lights, including financing options and value add services. Street light upgrades result in significant energy savings typically greater than 50% and provides the foundation for Smart City applications and services. Vendor award was announced on Tuesday 5th December. Awards are:

• Primary – Johnson Controls Inc.
• Secondary – Globetrotters Engineering
• Tertiary – TEN Connected Solutions

Next steps include:
• Contract execution
• Smart street lighting workshop
• Web presence
• Task force meeting
• Form Municipality Group 1 – first municipality group that will utilize the state master contract
  o Over 40 municipalities have indicated interest in this Smart Street Lighting project
Submitted for: Informational

Summary: This item provides an update on ICN Events and Marketing.

Action Requested: None

Recommended Motion: None
IML Conference: 09/21 - 9/22
With attendance of nearly 3,000, this year’s Illinois Municipal League (IML) Conference was one of the largest. As an exhibitor, the ICN presented information on various services and provided information on Smart Street Lighting. Mike Ditka Hall of Fame football legend and sports commentator who delivered the keynote speech for this year’s conference. The agenda included numerous technology topics, workshops and breakout sessions. Many municipalities are seriously considering Smart Street Lighting and are in the process of budgeting for the next fiscal year.

Illinois Digital Summit: 11/2 - 11/3
DoIT-ICN had a significant presence again this year during the Government Technology’s Annual Digital Summit. Kirk Lonbom, Acting Secretary and Mike Wons, Chief Technology Officer, helped kicked off the 18th annual event, reviewed progress to date and introduced some central themes that resonated in breakout sessions and panel discussions. Thank you to everyone in attendance who shared their expertise and contributed to many productive discussions.

GMIS/GIANTS Conference: 11/15 - 11/8
DoIT-ICN was well represented at the Government Management Information Science (GMIS) GIANTS conference. Public technology from around the state served as an excellent audience for digital discussion and collaboration. DoIT Acting Secretary Kirk Lonbom and IL CTO Mike Wons shared information on “Enabling the Digital Economy in IL” and Lori Sorenson, Network Operations Manager, discussed services available for local government entities through state master contracts.
DoIT-ICN Webinar

Fighting Ransomware - Defense Against the Dark Arts: 12/12/2017

DoIT/ICN will be hosting a series of free webinars “Hacker Hour” focusing on cybersecurity topics. Our first webinar will discuss the key steps to prepare and defend against Ransomware. It’s much easier to launch sophisticated Ransomware attacks and the number of data breaches suffered by organizations increase daily. Find out what you need to know about Ransomware and what it takes to detect, mitigate and prevent rapidly growing threats. Go to Illinois.net to reserve your spot.

About our Host: Jeff Thompson, Security Analyst and Certified Ethical Hacker with the Department of Information and Technology (DoIT)/Information Security, will share his expertise and ideas on the best ways to protect your environment and data. Jeff has over a decade of experience in threat hunting, incident response, vulnerability assessments and computer forensics. As a member of the DoIT Information Security Team, Jeff is responsible for preventing, monitoring and reacting to security incidents in State of Illinois agencies.
ILLINOIS CENTURY NETWORK
ICN EVENTS UPDATE

Starting last February, the ICN started producing a monthly e-communication to maintain regular contact with customers “ICN Connection”. The ICN Connection provides an opportunity to increase awareness of the ICN and our services with customers. The communication provides information on current initiatives, product and service updates, event news and spotlights a service of the month.

Learning Technology Centers of Illinois
The Learning Technology Centers of Illinois (LTC) is an Illinois State Board of Education initiative that provides additional technology training and support to Illinois K-12 districts in Illinois. LTC works closely with several organizations across the state and offer a variety of professional development opportunities for teachers, administrators, and technology staff. In addition, they provide support along with curriculums on-line. Visit the LTC website for more information on technology projects and support information.

Secure Connection to Microsoft Office 365 & Azure
If your organization is moving to Office 365 or currently using Microsoft Office 365 or Azure, this free service will likely be going over the public internet to reach Microsoft. This is a pure activity that might show performance issues and some services may not be available on the Internet. As an ICN customer, you own the advantage of a secure SVI connection. This provides a secure, reliable and direct connection directly to Microsoft Cloud. ICN Secure does not enter the outside Internet and directly connects to Microsoft Express Route. Contact ICN @icnhelpdesk@icn.com for more information.

Service of the Month: ICN Network Monitoring
ICN’s Network Monitoring Service is a comprehensive solution that provides 24/7 monitoring of your network, including the performance of your network devices and services. This service allows you to identify and resolve network issues before they impact your business operations.

ICN benefits at a glance:
- Reduced costs: You’ll benefit from a lower total cost of ownership, as our team can help you save on hardware and software.
- Improved performance: Our monitoring service ensures that your network is always running smoothly, which can help improve overall business productivity.
- Enhanced security: Our monitoring service includes regular security scans and updates, helping to protect your network from potential threats.

For more information about the ICN and our services, visit www.icn.com.

Network Security Agency (NSA) CyberCity
NSA CyberCity is a premier provider of cybersecurity services, offering a range of solutions to help businesses protect against cyber threats. The ICN Connection is proud to offer exclusive access to their resources and expertise.

For more information about the NSA CyberCity’s services, visit www.cybercity.com.

Hacking Hooligans Fun Facts TIP
In honor of the election in the US, we offer you this fun fact from 2017: The skies of Anchorage, Alaska, were lit up by a solar eclipse seen from the moon. The ICN Connection encourages you to stay informed and connected.

For more information about the ICN, visit www.icn.com.