

## GIS Council Meeting Minutes

August 7, 2013

1:00 p.m. – 2:46 p.m.

### Meeting Location:

Nebraska Department of Roads - Main Auditorium

1500 Nebraska Hwy 2, Lincoln Nebraska



## *GIS Council • Nebraska Information Technology Commission*

### **Meeting Summary**

**GIS Council Member Presentation** A presentation was provided by Tom Lamberson and Dennis Burling, Department of Environmental Quality. They discussed how they used information technologies such as the state's enterprise content management system to save on staff time providing resources from requests coming to the office. They showcased how their public information could be obtained through an online GIS viewer.

### **Working Group Presentations**

**Street Centerline-Address Database** - The QA/QC process of evaluating street centerline spatial accuracy is moving forward with discussions with NDOR. A meeting with Department of Roads staff will be held to address management and personnel commitments to the project. There is more momentum the past several months on addressing and GIS on the national scene. The National States Geographic Council (NSGIC) is finishing up a national survey to state PSAP's on GIS and addressing. Plans will be to dialogue with PSC on implementation of the survey when the draft survey is completed. It was recommended to have some coordination of this survey with the plans of the new RFP study out for NexGEN911 study in Nebraska. The PSC has released an RFP to conduct a study on Next Generation 911 in Nebraska which includes GIS and address points. The deadline for submission of applications is August 16th. The PSC and the third party independent vendor will be involving the OCIO and the GIS Council in the process. A state wide address point database has been secured through a project between the OCIO and State Patrol.

**Land Records** - An assessment strategy is being planned for parcel data in Nebraska. The group is determining the best options for integrating educational outreach/marketing of how parcel data is used. The development of the data schema and business plan continues.

**Imagery** - The Work Group met at the end of June and worked on the specifications, survey and other components to the business plan. The draft survey is complete and ready to be provided to state agencies input. Prior to sending out the survey, the Work Group would like a round table discussion regarding the relationship of imagery as it relates to the NESDI. NIROC imagery has been received. Hard drives have been distributed. All Nebraska data has been uploaded and will be shared with the jurisdictions involved. The ortho-imagery has been sent to Amazon. Next week, Pictometry will be in Omaha to introduce their products, as well as provide training for project participants. A free lunch will be provided. Members were to contact Mr. Schonlau if they were interested in attending.

**Elevation** - A draft of the Elevation Business Plan has been posted for members to review. At the last meeting, discussion determined that there is a close connection with the Imagery Work Group. A LiDAR poster presentation was submitted and approved for Fall UNL Water Symposium, October 15<sup>th</sup>. Mr. Langtry informed the council that the USGS is introducing a 3D Elevation Program called 3DEP. As part of this effort, they developed a business plan and would like comments. It was suggested that the plan could be used as a guideline for budget requests.

**NebraskaMAP** - The technical subgroup is working on updating the NESDI layers inventory and review process for moving to NebraskaMAP, metadata, ArcGIS Online for Organizations Standards and Guidelines, and updating NebraskaMAP public interface page(s). The group is reviewing the workflow of assessing and registering data to NebraskaMAP and metadata standards.

### **Nebraska Spatial Data Infrastructure**

**Inventory.** An initial assessment of all the current data holdings in NebraskaMAP and newer data sets has been completed. There are some data holdings with missing metadata. The next component in the process is to begin working with the data stewards for obtaining additional information about the data.

**Standards.** The current standards involving Land Record Information and Mapping Standards and Geospatial Metadata Standards are currently under review. In addition, standards have already begun to be drafted for several of the NESDI layers including road centerlines, addressing/address points, imagery and elevation. Standards have also been drafted for using ArcGIS Online for State Agencies. In the future, it is expected to see standards around geodetic control data content, cadastral data exchange, and administrative boundaries in the state.

**Updates from Member Agencies** Various updates were provided by agencies and are included in these minutes.

### **Other Business Items**

**Membership.** The NITC approved the criteria and selection process for the At-Large Private Industry member. The

nomination committee will discuss the nominees in the coming weeks. By the next Council meeting, there plans to be a nomination for approval. The following three seats were up for renewal and have been re-nominated to continue in their member roles: Jeff McReynolds, representing Lincoln Metro Area, Mike Preston, representing Nebraska Geospatial Professional Association, and Tim Cielocha, representing Public Power Districts.

**NITC Strategic Initiative.** The NITC Commission approved the Nebraska Spatial Data Infrastructure Initiative to be included in the Statewide Technology Plan as its own initiative. The next step for the GIS Council is to develop action items to accomplish its strategic initiatives.

**USGS Memorandum of Understanding.** The MOU between USGS, GIS Council and Dept. of Natural Resources was up for renewal and approved at the meeting to continue.

**Motions**

Motions Carried:

- The June 5, 2013 minutes were approved.
- Motion to accept membership renewal for Lincoln Metro Area, Jeff McReynolds was approved.
- Motion to accept membership renewal for Nebraska GIS/LIS Association, Mike Preston was approved.
- Motion to accept membership renewal for Public Power Districts, Tim Cielocha was approved.
- Motion to approve the USGS Memorandum of Understanding was approved.

Motions Failed:

There were no motions that failed.

<b>I. Roll Call and Quorum</b>	
<b>Members Present:</b> * <i>Authorized to Vote</i>	<b>Members Absent:</b>
<ul style="list-style-type: none"> <li>* Mike Preston, NE Geospatial Professional Assoc.</li> <li>* <i>John Beran</i>, State Surveyor</li> <li>* <i>Karis Bowen</i>, DHHS</li> <li>* <i>Bill Wehling</i>, Department of Roads</li> <li>* Eric Herbert, NACO</li> <li>* <i>Les Howard</i>, Conservation and Survey Div. – UNL</li> <li>* <i>Suzy Fredrickson</i>, Nebr. State Patrol</li> <li>Jim Langtry, USGS</li> <li>* <i>Steve Rathje</i>, Department of Natural Resources</li> <li>Jeff McReynolds, Lincoln Metro Area</li> <li>Steve Meradith, Public Service Commission</li> <li>Kelly Mueller, NACO</li> <li>* <i>Jim Ohmberger</i>, Office of the CIO</li> <li>* <i>Sudhir Ponnapan</i>, Nebraska Game and Parks</li> <li>* Mike Schonlau, Member at Large</li> <li>* <i>Tom Lamberson</i>, Dept. of Environmental Quality</li> </ul> <p><i>Italicized names are designees to council seats.</i></p>	<p><i>Chad Boshart</i>, NEMA/Military Dept.  <i>Lash Chaffin</i>, League of Nebraska Municipalities                      Tim Cielocha, Public Power Districts  <i>Dick Clark</i>, Governor’s Policy Research Office  <i>Nancy Cyr</i>, Legislative Research  <i>Jim Koch</i>, Property Tax Administrator                      John Miyoshi, NE Assoc. of Resource Districts                      Greg Youell, Omaha Metro Area</p>
<b>NITC Representatives:</b>	Nathan Watermeier, GIS Council Coordinator; and Lori Lopez Urdiales, Office Services Manager, Office of the CIO; and Adam Brown, Research Intern
<b>Public Visitors:</b>	Michael Munson, Alicea McCluskey and Rose Braun, Department of Roads; Barb Oswald, Department of Revenue; Cullen Robbins, Public Service Commission; Melissa Trueblood, Department of Economic Development; Brent Hoffman, Nebraska.gov; and Dan Erker, InfoGroup

I-III. General Meeting Formalities (continued)	
<b>Roll Call and Quorum</b>	The Chair, Mike Preston, called the meeting to order at 1:05 p.m. Roll call was taken. There were 14 members present at the time of roll call. A quorum existed to conduct official business.
<b>Introduction of Audience Attendees</b>	Public visitors were welcomed and were asked to introduce themselves if they wished. Visitors who wished to identify themselves as attending the meeting were to sign the visitor log and their name and affiliation would be reported in the minutes.
<b>Public Meetings Regulations and Posting of the Same</b>	The meeting notice was posted to the Nebraska Public Meeting Calendar on December 12, 2012. The meeting agenda was posted on the GIS Council website July 16, 2013. The Nebraska Open Meetings Act information was posted in the room for interested persons to review.
<b>Approval of Minutes from Previous Meeting</b>	<p>The Chair, Mr. Preston, asked if there were any suggestion changes or clarification to the previous meeting's minutes. <b>Motion: Mr. Chaffin moved to approve the 6/05/2013 minutes as presented. Ms. Braun seconded.</b> Roll call vote: Preston-Yes, Rathje-Abstained, Wehling-Yes, Howard-Yes, Bowen-Yes, Beran-Yes, Fredrickson-Abstained, Ponnapan-Yes, Meradith-Yes, Herbert-Yes, Mueller-Yes, McReynolds-Yes, Schonlau-Yes, and Langtry-Yes. Results: Yes-12, No-0, Abstained-2. Motion carried.</p> <p>Not present at time of vote were Ohmberger and Tom Lamberson. Mr. Ohmberger arrived to the meeting shortly after the approval of the minutes.</p>

IV. GIS Council Member Presentation – Department of Environmental Quality, Tom Lamberson & Dennis Burling	
<b>DISCUSSION</b>	<p>Due to waiting on the DEQ's I.T. Manager, Dennis Burling, to assist with the presentation. The meeting continued with other agenda items. The presentation was given towards the end of the meeting prior to the Public Comment.</p> <p>The agency has centralized their documents via the OCIO Enterprise Content Management Shared Services. Legislature provided funding for a facilities management database. There are approximately about six private persons who come to their office on a daily basis to review records. Since launching their facilities database, this number is less and less. The website has a public records search, interactive mapping server and interactive mapping option. There are approximately 133,000 documents on the website and approximately 1.8-1.9 million on the enterprise content management side. The documents are from 2011 to present but have the ability to upload older documents. Mr. Burling proceeded to demonstrate the website and enterprise content management site. Their web site is located through their department web site at <a href="http://www.deq.state.ne.us/">http://www.deq.state.ne.us/</a>.</p>

V. Working Group Reports and Discussion	
<b>DISCUSSION</b>	<p><b>Street Centerline-Address Database - Bill Wehling.</b> Mr. Wehling and Ms. Braun met with Mr. Watermeier to discuss the QA/QC process of street centerline spatial accuracy moving forward on the street centerline project. Ms. Braun will be setting up a discussion meeting with other Department of Roads staff to address management and personnel commitments to the project.</p> <p>Mr. Watermeier stated that there is more momentum the past several months on addressing and GIS on the national scene. The National States Geographic Council (NSGIC) is finishing up a national survey to state PSAP's on GIS and addressing. Mr. Watermeier is involved with that committee. Several states have already implemented a version of the survey. Mr. Watermeier will make plans to dialogue with PSC on implementation of the survey when the draft survey is completed. It was recommended to have some coordination of this survey with the plans of the new RFP study out for NexGEN911 study in Nebraska.</p>

The Public Service Commission (PSC) has released an RFP to conduct a study on Next Generation 911 in Nebraska which includes GIS and address points. The deadline for submission of applications is August 16th. The question was raised as to whether the GIS Council will have any input on the RFP or be involved in the evaluation process. Mr. Meredith stated the PSC would want the Office of the CIO and the GIS Council involvement and had no intention to exclude the OCIO or the GIS Council in the process. The third party consultant will have 3 months to do the study to meet with stakeholders and would want the OCIO and the GIS Council to meet. The PSC would like the study to be independent. Once the study is completed, it will go to the Transportation Committee of the Legislature for their action and recommendation. There is a potential that this could be a shared service initiative.

Mr. Lamberson arrived to the meeting.

At the last GIS Council meeting it was an action item for members to review an initial proposal on securing a statewide point address database to meet current business operations. This resource will further be developed into the addressing business plan. Meanwhile, the OCIO has partnered with the State Patrol to purchase a statewide address point database. A variety of projects are already underway for business operations. Later this fall, plans will be made to show how it can be used and leveraged for quality assessment of other projects and lead to the future statewide master addressing geodatabase for the state.

**Land Records - Eric Herbert.** A sub-group met in June to begin developing an assessment strategy of parcel data in Nebraska. The strategy will include gathering parcel data sets from select counties that maintain their own data and some counties that contract with consultants for data maintenance. The group is also determining the best options for integrating educational outreach/marketing of how parcel data is used. Development of the data schema and business plan continues. Plans are to merge local parcel data into one state parcel database. A modified Esri data model is being developed that coincides with several county data.

**Imagery - Mike Schonlau.** The Work Group met at the end of June and worked on the specifications, survey and other components to the business plan. The draft survey is complete and ready to be provided to state agencies input. Prior to sending out the survey, the Work Group would like a round table discussion regarding the relationship of imagery as it relates to the NESDI. NIROC imagery has been received. Hard drives have been distributed. All Nebraska data has been uploaded and will be shared with the jurisdictions involved. The ortho-imagery has been sent to Amazon. Next week, Pictometry will be in Omaha to introduce their products, as well as provide training for project participants. A free lunch will be provided. Members were to contact Mr. Schonlau if they were interested in attending.

**Elevation - Josh Lear.** In Mr. Lear's absence, Mr. Watermeier provided the report. A draft of the Elevation Business Plan has been posted for members to review. At the last meeting, discussion determined that there is a close connection with the Imagery Work Group. A LiDAR poster presentation was submitted and approved for Fall UNL Water Symposium, October 15<sup>th</sup>. Mr. Langtry informed the council that the USGS is introducing a 3D Elevation Program called 3DEP. As part of this effort, they developed a business plan and would like comments. It was suggested that the plan could be used as a guideline for budget requests.

**NebraskaMAP - Jeff McReynolds.** The technical subgroup met yesterday, to discuss the following topics:

- Update on NESDI layers inventory and review process for moving to NebraskaMAP (Data management process)
- Metadata
- ArcGIS Online for Organizations Standards and Guidelines
- Updating NebraskaMAP interface page(s)

The group is reviewing the workflow of assessing and registering data to NebraskaMAP and metadata standards. More details about the NESDI discussion will be covered later in the meeting agenda. A topic that will have more discussion is the free accounts that Esri is providing for all desktop users. The issue for discussion is getting free accounts into the statewide enterprise master account that has

already been purchased for the software.

## VI. Nebraska Spatial Data Infrastructure

### DISCUSSION

**Inventory.** An initial assessment of all the current data holdings in NebraskaMAP and newer data sets has been completed. There are some data holdings with missing metadata. The next component in the process is to begin working with the data stewards for obtaining additional information about the data. In the meeting materials, there was a draft inventory form that Council members were asked to review and provide any recommended changes to Mr. Watermeier by Friday, August 30th. Eventually, this form would be sent to data stewards to complete.

**Standards.** Also in the meeting materials was a summary of the standards that are under review and other standards being drafted. The current standards involving Land Record Information and Mapping Standards and Geospatial Metadata Standards need to be reviewed and updated. In addition, standards have already begun to be drafted for several of the NESDI layers including road centerlines, addressing/address points, imagery and elevation. Standards have also been drafted for using ArcGIS Online for State Agencies. In the future, it is expected to see standards around geodetic control data content, cadastral data exchange, and administrative boundaries in the state.

## VII. Updates from Member Agencies

### DISCUSSION

Lincoln/Lancaster County, Jeff McReynolds. The City of Lincoln is conducting an internal QA/QC of imagery from the recent acquisition project.

Department of Roads, Bill Wehling. A survey was sent to staff regarding how the Department of Roads uses GIS. Approximately 1,000 surveys were sent out with a return of close to 300 responses. The agency will be developing a plan.

Office of the CIO, Jim Ohmberger. An assessment of data holdings in NebraskaMAP has been completed. A newer platform of software and architecture is being constructed to support NebraskaMAP and data sharing efforts for the NESDI. The OCIO is involved in an addressing project in partnership with the Nebraska State Patrol. The GIS Council website will go live on August 23<sup>rd</sup>.

Sarpy County, Eric Herbert. A couple of weeks ago, Sarpy County went live with a new 911 dispatching system. As part of this, they are determining best way to move forward to manage street addresses. Within next few weeks, the counties will be meeting to explore Esri tools to manage the addresses and discuss administrative boundaries to avoid any issues that may occur in the future.

GIS/LIS, Mike Preston and Nathan Watermeier. Mr. Watermeier will be working with the Nebraska Department of Education in regards to bring GIS to K-12. In 2012, the state has updated the geography curriculum to now include geospatial and GIS. A work plan must be developed before Esri will provide free software.

City of Omaha/Douglas County, Mike Schonlau. The agency is working on imagery, mobile applications, and 911 projects.

## VII. Other Business

### DISCUSSION

**Membership.** The NITC approved the criteria and selection process for the At-Large Private Industry member. Mr. Lear is in the process of sending this information to the nomination committee so they can meet to select a nominee. The NITC Commissioners were invited to attend the selection committee meeting if they were interested. By the next Council meeting, there plans to be a nomination for approval.

The following three seats are up for renewal and have been nominated by the sectors:

- Jeff McReynolds, representing Lincoln Metro Area
- Mike Preston, representing Nebraska Geospatial Professional Association, and
- Tim Cielocha, representing Public Power Districts

Mr. Schonlau moved to approve the nomination of Jeff McReynolds. Mr. Rathje seconded. Roll call vote: Preston-Yes, Rathje-Yes, Ohmberger-Yes, Wehling-Yes, Howard-Yes, Bowen-Yes, Beran-Yes, Fredrickson-Yes, Ponnapan-Yes, Meradith-Yes, Herbert-Yes, Mueller-Yes, McReynolds-Abstained, Lamberson-Yes, Schonlau-Yes, and Langtry-Yes. Results: Yes-15, No-0, Abstained-1. Motion carried.

Mr. McReynolds moved to approve the nomination of Mike Preston. Mr. Schonlau seconded. Roll call vote: Preston-Abstained, Rathje-Yes, Ohmberger-Yes, Wehling-Yes, Howard-Yes, Bowen-Yes, Beran-Yes, Fredrickson-Yes, Ponnapan-Yes, Meradith-Yes, Herbert-Yes, Mueller-Yes, McReynolds-Yes, Lamberson-Yes, Schonlau-Yes, and Langtry-Yes. Results: Yes-15, No-0, Abstained-1. Motion carried.

Mr. Wehling moved to approve the nomination of Tim Cielocha. Mr. Ponnapan seconded. Roll call vote: Preston-Yes, Rathje-Yes, Ohmberger-Yes, Wehling-Yes, Howard-Yes, Bowen-Yes, Beran-Yes, Fredrickson-Yes, Ponnapan-Yes, Meradith-Yes, Herbert-Yes, Mueller-Yes, McReynolds-Yes, Lamberson-Yes, Schonlau-Yes, and Langtry-Yes. Results: Yes-16, No-0, Abstained-0. Motion carried.

**NITC Strategic Initiative.** At the July 31<sup>st</sup> NITC meeting last week, the Commission approved the Nebraska Spatial Data Infrastructure Initiative to be included in the Statewide Technology Plan as its own initiative. The initiative's objective and description is listed below:

**Objective:** To develop and foster an environment and infrastructure that optimizes the efficient use of geospatial technology, data, and services to address a wide variety of business and governmental challenges within the state. Geospatial technologies and data will be delivered in a way that supports policy and decision making at all levels of government to enhance the economy, safety, environment and quality of life for Nebraskans.

**Description:** Geospatial technologies incorporate geographic information systems (GIS), global positioning systems (GPS), remote sensing such as imagery and Light Detection and Ranging (LiDAR), and other geographic data and information systems. We use GIS as a tool to capture, store, manipulate, analyze, manage, and present all types of geographical data. Information about people, places and events can be integrated by location (geography) by using these technologies. It represents nearly all spatial information used by government organizations and their partners to manage resources and various services on behalf of Nebraska's citizens. Coordination among and between government organizations and their partners to efficiently collect, use and maintain this information using geospatial technologies has steadily improved decision making over the past several decades. But economic pressures, increased environmental issues, and a rapidly increasing amount and complexity of information required for effective decisions make it necessary to dramatically improve the way geographic information is managed. Because of this, solutions are sought to find statewide data and services that meet our goals while providing quality and accurate data that meets state and federal standards.

Mr. Watermeier reminded the Council that the NITC relies on its advisory groups to develop action items to accomplish its strategic initiatives. Therefore, the next step for the GIS Council is to develop action items to meet those goals. The work of the GIS Council is vital to the Statewide Technology Plan.

**USGS Memorandum of Understanding.** The MOU between USGS, GIS Council and Dept. of Natural Resources is up for renewal. It was sent prior to the meeting for review and approval. It was suggested for next year to attach a glossary of the acronyms for members unfamiliar with the terminology. There were no other recommended changes.

Mr. Wehling moved to approve the USGS Memorandum of Understanding. Mr. Ponnapan seconded.

	<p>Roll call vote: Preston-Yes, Rathje-Yes, Ohmberger-Yes, Wehling-Yes, Howard-Yes, Bowen-Yes, Beran-Yes, Fredrickson-Yes, Ponnapan-Yes, Meradith-Yes, Herbert-Yes, Mueller-Yes, McReynolds-Abstained, Lamberson-Yes, Schonlau-Yes, and Langtry-Yes. Results: Yes-15, No-0, Abstained-1. Motion carried.</p> <p>Mr. Preston reminded members to begin considering nominations for Vice Chair. Elections will occur in December.</p>
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**VIII. Invitation for Public Comment from Attendees**

<b>DISCUSSION</b>	<p>Alicea McCluskey from the Department of Roads asked if there was going to be a process or provision for sharing of GIS information more across agencies. She stated that one of the results from the DOR survey was that staff are interested in enhancing their GIS skills. Mr. Watermeier stated that information sharing is a goal of the GIS Council and that several possibilities will be explored involving an state agency GIS users group and mailing lists to share work flow processes, data and other helpful resources. It was also encouraged for any agency staff to contact their GIS Council representative at any time for questions also others across other agencies who have similar interests. Mr. Burling also suggested that his work through the ECM project was an example of working with others across agencies that have similar interests and as a result helped share information and resources.</p>
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<b>Meeting Conclusion</b>	
<b>Adjournment</b>	<p><b>Motion: Mr. Schonlau moved to adjourn. Mr. Lamberson seconded.</b> All were in favor. Motion carried.</p> <p>The meeting was adjourned at 2:46 p.m.</p>
<b>Next Meeting</b>	<p>The next meeting will be September 4, 2013, 1:00-3:30 p.m. at the Nebraska Department of Roads - Main Auditorium, 1500 Nebraska Hwy 2, Lincoln Nebraska.</p>

Meeting minutes were taken by Lori Lopez Urdiales and reviewed by Nathan Watermeier of the Office of the CIO/NITC.