MetroGIS Coordinating Committee: Meeting Minutes
Thursday, January 22, 2015, 1 PM-3:30 PM
Metro Counties Government Center, 2099 University Avenue, St Paul
[Draft Minutes]

Members Attending:
Dave Brandt, Washington County (Vice Chair)  
Mark Kotz, Metropolitan Council  
Nancy Read, Metro Mosquito Control District  
Randy Knippel, Dakota County  
Carrie Magnuson, Ramsey-Washington-Metro WSD  
Dan Ross, MnGeo  
Brad Henry, University of Minnesota  
Hal Busch, City of Bloomington/Metro Cities  
David Bitner, db Spatial LLC  
Sally Wakefield, Non-Profit Representative  
John Slusarczyk, Anoka County  
Jim Fritz, Xcel Energy  
Erik Menze, Resource Data, Inc. (alt. for Eric Haugen)  
Gordy Chinander, Metro Emergency Services Board  
Mark Maloney, City of Shoreview, Metro Cities  
Matt Koukol, Ramsey County  
Ron Wencl, US Geological Survey  
Pete Henschel, Carver County  
Matt Baker, Metropolitan Airports Commission

Guests:
Chris Cialek, MnGeo  
Jon Hoekenga, Metropolitan Council  
Will Craig, University of Minnesota  
John Baer, Washington County  
Tanya Mayer, Metropolitan Council  
Chad Martini, Stearns County  
Dan Sward, University of Minnesota

Members Absent
Gary Swenson, Hennepin County  
Ben Verbick, LOGIS  
Erik Dahl, EQB (Chair)  
Ben Butzow, MnDOT  
Jeff Matson, CURA/University of Minnesota  
Len Kne, University of Minnesota  
Curt Carlson, Northstar MLS  
Hal Watson, MnDNR  
Francis Harvey, University of Minnesota

Staff:
Geoff Maas, MetroGIS Coordinator

Item 1) Call to Order:
Vice Chair Brandt called the meeting to order at 1:08 pm

Item 2) Approval of Meeting Agenda
Motion to approve: Kotz; Second: Bitner

Item 3) Approval of Meeting Minutes from September 24 meeting
Motion to approve: Maloney; Second: Brandt

Item 4) 2016 Aerial Imagery Buy-Up Presentation
Chris Cialek (MnGeo) provided an overview of the previous inter-agency imagery collect and an overview of the upcoming proposed project in spring of 2016.

Cialek: There are 2 related efforts underway for imagery. First, we are starting the process to implement a state Master Services Contract (MSC) for aerial imagery and related products that would be in place for about 4-5 years. This entails a broad set of RFP specifications, with a not-to-exceed amount provided by vendors. We would then pre-approve a set of imagery vendors for those products. The
state and other organizations could then use that Master Services Contract to request bids, by implementing work orders, for specific imagery projects over the 4-5 years from those pre-approved vendors, awarding it to the vendor bid of best value. In addition, all imagery is owned by the purchaser and the state, and will be made publicly available.

We plan to use this MSC to issue the first work order for the spring 2016 imagery needed by the Metropolitan Council. We are currently securing the purchase of 1’ resolution, 4-band, aerial imagery for the 7-county metropolitan area. We are interested in working with MnGeo to offer the option to interested organizations to leverage that project for buy-up opportunities to 6” or 3-4” if desired. We anticipate that the cost difference between what the Council will pay for 1’ resolution and the buy-up would be paid by the requesting organization, which could result in an overall project savings in comparison to a separate contract.

We have just started defining the RFP for the Master Services Contract. This will include 4-band aerial imagery between 3” and 2 ft. and likely include additional products of imagery-based elevation data, stereo and planimetrics. At this time, we do not plan to include LiDAR or oblique in the MSC. We do want input from other organizations, however, about what derivative products are important to include in the MSC.

The broad timeline is included in the PowerPoint. Between now and May, we want to gather input from organizations who have an interest in using this MSC/A contract to assist with defining the RFP requirements. We also would like to hear from you about concerns, needs or ideas about this project; both the MSC and the 2016 imagery project. Tanya Mayer is currently the point of contact for this effort. The small work group (Chris Cialek, Steve Kloiber, Mark Kotz, Geoff Maas and Tanya Mayer) will be meeting frequently over the next few months and we expect to actively engage counties for input in to the MSC RFP.

Comments and questions from the group:

**Question: M. Koukol:** Is pricing in the MSC set for 4-5 years?
**Answer: C. Cialek:** No, we are only asking for a not-to-exceed price set in the MSC and each project will request bids from the pre-approved vendors, and the best-value bid will be selected.

**Question: H. Busch:** Would a municipality be eligible to use this process without partnering with other entities (i.e. the county)?
**Answer: C. Cialek:** Yes, it is possible, but it may not be the most cost effective strategy.

**Comment: D. Ross:** Work Orders off of MSCs are much quicker/shorter turn-around. Organizations can buy individually off the MSC or participate in a larger project opportunity. It provides flexibility and buying power.

**Comment: R. Knippel:** Keep in mind that in a project, all interested partners could exceed the capacity of one vendor.

**Question: J. Fritz:** What are the derived products being considered?
Answer: Imagery-based elevation, planimetrics, and stereo. We want to keep the extra products limited but want input in to what’s important for potential users of the MSC. At this time, we don’t see a value to adding LiDAR or Obliques to this MSC.

Question: R. Knippel: What’s the structure of buy-ups?

Answer: M. Kotz: It will be different for each project. For 2016, we are proposing (and working to secure) funding a 1’ resolution, 4-band, spring leaf-off, aerial imagery for the 7-county metropolitan area. County-partners would pay the difference to buy-up to 6” (or other), which is the same model used in the recent SAIP.

Comment: R. Knippel: Be sure to consider how JPA’s will work for each project. Maybe there’s a way to pre-negotiate cost-sharing model?

Comment: N. Read: MnGeo will be acting as administrator of the contracts, managing the legal, QC and post to image server, correct? (yes); This saves others time and money to not have to do it themselves.

Coordinator’s note: Chris Cialek’s presentation is provided as an appendix to this document.

Agenda Item 5) Lightning Round

Geoff Maas (MetroGIS Coordinator): Welcome to our newest member Carrie Magnuson, the board of the Metro Chapter of the Minnesota Association of Watershed Districts has appointed her to be their representative to the Committee. Also, welcome to our guests today. Chad from Stearns County, Will is Craig is here and Dan Sward from the University of Minnesota. I always have my ear to the ground to try to find topics and speakers for the group. Will (Craig) turned me on the writing of Professor Earl Epstein who co-authored a book ‘Modernizing American Land Records’, my sense is he’d be a good fit to speak to this group if you are interested (group indicated their approval). OK, with your consent I will work to bring him in to our next meeting. Also a reminder, please feel free to let me know if there things you want on the agenda at future meetings.

Mark Maloney (City of Shoreview): Nothing really new to report, but we continue to be engaged on water issues with other local governments, the MetCouncil and state agencies in the north-east metro. The emphasis is on groundwater topics and their connection to water sensitive resources and long term water sustainability. We need to continually acknowledge and work with the fact that there are not the common datasets that we need at present. The City of Shoreview is also dealing with the issue of railroad quiet zones.

Brad Henry (University of Minnesota) I have been very involved with the MN2050 group, as I have mentioned in the past, we have a number of videos available that we produced with TPT to explain to the public the importance of our infrastructure, more recently we’ve been exploring how to message the importance of our rail and port infrastructure in addition to the usual categories of water, sewer, roads and so on. MN2050 will be conducting its ‘State of the Infrastructure’ survey reaching out to city, county and other governments. Purpose is that inform the public and elected officials of the magnitude of our infrastructural needs and to support funding and to get the professional practicing community to help implement best practices; a recurring theme is that most folks are reasonably aware of the surface infrastructure by we don’t fully understand or appreciate the subsurface features.
Eric Menze (Resource Data, Inc): We are engaged in a lot of work with ArcFM, we are seeing a larger demand for and investment in ArcFM with many of our clients, and we are providing training to meet this demand. Please contact me if you want more information on it.

Sally Wakefield (SharedGeo/Non-Profit): SharedGeo is strongly advocating for the use and deployment of the U.S. National Grid (USNG) for emergency response; I’ll mention that there are some DNR grants available for helping you implement USNG; adding signs to areas, trails; grant window is open now, closing in March.

Dan Ross (MnGeo): We’re focusing on our project list, which special emphasis in the near term on the NextGen911. The ‘machine’ of NextGen911 is starting to move and we’ve got a new project manager Adam Eiten (sp?) coming on board to focus on the 911 piece. We are planning a survey to the PSAPs and we anticipate significant movement in the next 18 months on the project. Also, we are continuing work on statewide standards for parcels, centerlines and address points;

Chad Martini (Stearns County): Glad to have the invitation and the opportunity to come down and visit the group again.

Gordy Chinander (MESB): We are very much looking forward to working with Adam Eiten at MnGeo, we’ve got a good relationship going with him already, he’s been connected with Intrado and GeoComm; also, we can get him up to speed with the progress of the MRCC (metro centerlines).

John Slusarczyk (Anoka County): No updates from Anoka County.

Will Craig (University of Minnesota): I am sitting in for Jeff Matson today who had to teach a class. I don’t need to remind this group that the ‘open data’ is a pretty major step; URISA has announced their ESIG award application period for 2015, MetroGIS got that award in 2002 for its street centerlines contract and user-licensing efforts, I believe it is worth pursuing some national and international attention for your recent work in opening up the data. Any award coming in would be shared with the counties and MetroGIS together. Another award than the ESIG would be the Governor’s Commendation Award, MetroGIS could run something through MnGeo to the governor’s office. I am just planting a seed here today. The open data is really a big step and I think we take the opportunity to celebrate it.

Randy Knippel (Dakota County): I’d like to remind the group that the County Managers meet monthly county data producer work group in MetroGIS, meet monthly, virtually, and we include Olmsted County in our work. From our County Administrators, we have been prompted to find ways to save costs in IT and GIS falls under IT in our counties. Also, just before Christmas, I received a ‘gift’ of sorts, our Environmental Resources department got approval for a budget item for imagery collection on an annual basis. The funding—while not enough for the entire county all in one year—would be enough to cover a good portion of the county. Environmental Resources found they needed continually updated imagery for code enforcement and field inspections, working from imagery can save them a lot of field work, and there are solid cost savings associated with that. We will work through this in 2015, perhaps some way to tie Dakota County’s needs into the proposed 2016 aerial buy up, and eventually be flying pictometry every 2 years, ortho every 3 years and see how it all plays out. By 2017, there will likely be a ‘new normal’ where we are able to get both ortho imagery and obliques.

John Baer (Washington County): I’m from the Surveyor’s office in Washington County; I’m here to hear about the aerial imagery discussion.
Ron Wencl (USGS): We are engaged in a national hydrography requirement and benefits study, this is at the national scale, we are working with NRCS (Nat’l Resource Conservation Service). The project is modeled similar to the NEA study for elevation which led to the 3DEP (elevation data) program. Essentially it’s the same thing for surface water and watersheds. We are gathering requirements for models and the characteristics we want to represent. The federal agency survey has been done, and we’ve got approval for another 350 respondents, that works out to be an average of seven (7) per state, Besides the requirements gathering there is a desire to quantify the benefits of the operations, understand the customer serve angle and the greater societal benefits; ideally with dollar values associated with each of these. We will be working with Dan [Ross, State GIO] and Mark Olson (PCA) and looking for 6-8 participants across the state. The survey should be on line in February.

Carrie Magnuson (Ramsey Washington Metro Watershed District): Glad to be joining the group, no updates on our agency.

Pete Henschel (Carver County): No updates from Carver County.

Jim Fritz (Xcel Energy): I’m here to represent the utility perspective and I am very interested in learning about the upcoming centerlines initiative for the metro and state.

Hal Busch (City of Bloomington): At the City [of Bloomington] we remain in transition to ESRI from the SmallWorld platform.

Jon Hoekenga (Metropolitan Council): Here to contribute to the discussion on the address points project later in the agenda.

Matt Koukol (Ramsey County): Relative to this group, I’ve been working on the technical side of the Metro Centerlines, we’ll talk about that later in the agenda and we at work with Washington County on the organics recycling program.

Dan Sward (University of Minnesota): I’m with the University’s facility management department and just here as an observer today.

Nancy Read (Metro Mosquito Control Board): Lots of folks are working on mobile apps, and we are examining the ‘bring your own device’ policy at MMCD, do any of your agencies have one or are working on one? Randy Knippel, Dakota County has one that has been about a year and half in the making.

David Bitner (db Spatial): I want to let the group know that this years FOSS4G conference will be taking place in San Francisco this year (https://2015.foss4g-na.org/) and that a MapTime group (MapTime MSP) has started up in the Twin Cities. (http://www.meetup.com/MaptimeMSP/events/218617100/)

Mark Kotz (Metropolitan Council): At the Council we are seeing a steadily increasing demand for mobile apps, especially inspection apps for the field. Matt McGuire will be presenting at the TAT meeting (Feb 3) on some ideas for sharing and making available the best imagery for mobile apps;

David Brandt (Washington County): We are presently working with boundary annexation survey working closely with our surveyors. We are also working with our environmental services staff for creating damage assessment tools, and as Matt mentioned, we are wrapping organic recycling project in
we have wrapped our portion up and handed to Ramsey County at this point. We will be getting a demo in the coming weeks of the new CAD/E911 dataset as well.

**Item 7) Work Plan and Budget for 2015**

**2015 Work Plan**: Coordinator Maas refreshed the group on their work plan prioritization exercise from the last meeting in September 2014. At that meeting the group reviewed the results of the survey and ‘weighted’ the various projects and proposals for activity in the 2015 work cycle.

*Work plan priorities identified were as follows:*

<table>
<thead>
<tr>
<th>Project or Initiative</th>
<th>Work on in 2015</th>
<th>Committee Ranking</th>
<th>Priority Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address Points Aggregation</td>
<td>Yes</td>
<td>1</td>
<td>462</td>
</tr>
<tr>
<td>Metro Regional Centerlines Collaborative</td>
<td>Yes</td>
<td>2</td>
<td>430</td>
</tr>
<tr>
<td>Free and Open Public Geospatial Data</td>
<td>Yes</td>
<td>3</td>
<td>429</td>
</tr>
<tr>
<td>Geospatial Commons (MetroGIS Support)</td>
<td>Yes</td>
<td>4</td>
<td>387</td>
</tr>
<tr>
<td>Statewide Centerlines Initiative (MetroGIS Support)</td>
<td>Yes</td>
<td>5</td>
<td>333</td>
</tr>
<tr>
<td>2016 Aerial Imagery Collection Coordination</td>
<td>Yes</td>
<td>6</td>
<td>324</td>
</tr>
<tr>
<td>Address Points Editor 3.0 (Enhancements)</td>
<td>Yes</td>
<td>7</td>
<td>308</td>
</tr>
<tr>
<td>Dashboard Application</td>
<td>Maybe</td>
<td>8</td>
<td>252</td>
</tr>
<tr>
<td>Public/Private Data Sharing</td>
<td>Inactive</td>
<td>9</td>
<td>174</td>
</tr>
<tr>
<td>Regional Stormwater Dataset (Research only)</td>
<td>Yes</td>
<td>10</td>
<td>155</td>
</tr>
<tr>
<td>Increased Sharing Beyond the Metro</td>
<td>No</td>
<td>11</td>
<td>108</td>
</tr>
<tr>
<td>Increased Frequency of Parcel Data Updates</td>
<td>No</td>
<td>12</td>
<td>69</td>
</tr>
<tr>
<td>Improvements to MetroGIS Geocoder</td>
<td>No</td>
<td>13</td>
<td>48</td>
</tr>
<tr>
<td>Creation of Regional Basemap Services</td>
<td>No</td>
<td>14</td>
<td>46</td>
</tr>
<tr>
<td>Development of Building Footprint Dataset</td>
<td>No</td>
<td>15</td>
<td>24</td>
</tr>
<tr>
<td>Development of Impervious Surface Dataset</td>
<td>No</td>
<td>16</td>
<td>22</td>
</tr>
<tr>
<td>Follow-on Quantifying Public Value (QPV)</td>
<td>No</td>
<td>17</td>
<td>22</td>
</tr>
</tbody>
</table>

The work plan items listed reflect both the projects and their order of priority for MetroGIS participants and staff to apply effort to. Additional efforts to be undertaken by staff and participants in 2015 that are not formally structured projects include:

- Development of a Draft Memorandum of Agreement document between the Seven Metropolitan Counties and the Metropolitan Council to replace the existing Legal Agreement (which will sunset on December 31, 2015) *[Initial draft to be prepared by Geoff Maas with significant input, revision and contribution by the Seven County GIS Managers]*

- Revision of the MetroGIS Operational Guidelines and Procedures to more accurately reflect the practice and operation of the collaborative; *[Draft revisions will be prepared by Geoff Maas for the review and acceptance of the Coordinating Committee, with anticipated review and approval by the Policy Board on April 30, 2015]*
• Application for a Governors’ Commendation Award in 2015 and URISA ESIG Award in 2015; [volunteers to help prepare the award include Will Craig, David Bitner, Sally Wakefield and Geoff Maas; could be considered a part of the Free and Open Data Initiative (#3 on work plan)]

2015 MetroGIS Budget: Maas presented the expenditures from 2014 and the available budget funds for 2015 with the known and anticipated expenses listed.

MetroGIS 2014 Expenditures and 2015 Funds Available

<table>
<thead>
<tr>
<th>Rank</th>
<th>Project/Expense</th>
<th>MetroGIS 2014 $</th>
<th>MetroGIS 2015 $</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regional Parcel Dataset Legal Agreement Payment</td>
<td>28,000.00</td>
<td>28,000.00</td>
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<tr>
<td></td>
<td>New MetroGIS Website</td>
<td>46,235.50</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Address Points Aggregation</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Metro Regional Centerlines Collaborative</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Free and Open Public Geospatial Data</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Geospatial Commons (MetroGIS Support)</td>
<td>14,000.00</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Statewide Centerlines Initiative (MetroGIS Support)</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2016 Aerial Imagery Collection Coordination</td>
<td>(Not Applicable in 2014)</td>
<td>(Not Applicable in 2014)</td>
</tr>
<tr>
<td>7</td>
<td>Address Points Editor 2.0 (Enhancements)</td>
<td>7,160.00</td>
<td>(Not Applicable in 2015)</td>
</tr>
<tr>
<td>7</td>
<td>Address Points Editor 3.0 (Enhancements)</td>
<td>16,400.00</td>
<td>5,680.00</td>
</tr>
<tr>
<td>8</td>
<td>Dashboard Application (On Hold)</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Public/Private Data Sharing (On Hold)</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Regional Stormwater Dataset (Research Only)</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Miscellaneous Maintenance Expenses*</td>
<td>2,060.27</td>
<td>2,000.00</td>
</tr>
<tr>
<td></td>
<td>Spent or Committed</td>
<td>113,855.00</td>
<td>35,680.00</td>
</tr>
<tr>
<td></td>
<td>Remaining</td>
<td>0.00</td>
<td>50,320.00</td>
</tr>
</tbody>
</table>

*Miscellaneous Expenses Breakdown

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Purchases &amp; Kentico CMS Annual License</td>
<td>1389.00</td>
<td></td>
</tr>
<tr>
<td>Meeting Refreshments</td>
<td>561.28</td>
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</tr>
<tr>
<td>Web Domain &amp; Service Mark renewals</td>
<td>78.00</td>
<td></td>
</tr>
<tr>
<td>Printing, Shipping &amp; Misc. Materials</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Books &amp; Reference Materials Purchase</td>
<td>31.99</td>
<td></td>
</tr>
</tbody>
</table>

Based on known and anticipated expenses in 2015 for MetroGIS, a remaining balance of 50,320.00 is available for project and activity work.

Committee members deferred assigning priorities for the available budget funds until the existing Project Updates were presented. Final decision on adoption of the work plan and assignment of budget funds can be found on page X.
Item 8) Current Work Plan Updates
At each Coordinating Committee meeting, updates on the current projects are provided by staff and participants from the stakeholder agencies. Slides found at the end of this document provide additional context and detail to support the summary notes.

8a) Address Point Aggregation
Maas and Jon Hoekenga (Metropolitan Council) described the present disposition of progress of address point aggregation. Currently, address points in the MetroGIS standard are available in the DataFinder for Dakota, Carver and Ramsey Counties. While an excellent and useful resources, the address points collected and aggregated to date are not yet fully within the desired description of the original project vision.

At present, the metro address point dataset contains a mix of three major point types:
- Authoritatively-sourced points (Created by the address authority, showing the correct address)
- Quasi-address points (Containing some but not all of the needed address data)
- Parcel centroid (Containing a local situs address)

Randy Knippel indicated that there would continue to be a mix of data coming in as described by. He cited the example that at present, six of the twelve cities in Dakota County are using the Address Editor tool and the remaining cities are not yet using it.

Hoekenga said the next steps in the process would be to reconvene the MetroGIS Addressing Work Group to fully discuss and work toward resolving the issues and specifically, to refine the data domains so end users know what they are getting and use the data with confidence.

8b) Free + Open Data
Maas gave a brief overview of recent open data developments since the last meeting, including:

- Clay County adopting a formal open data policy on October 28, 2014 (using similar language to the Metro Counties adopted policies);
- Washington County adopting a free and open data policy on November 18, 2014;
- Stearns County making their data freely available in December 2014;
- Sherburne County removing the fee for access to their data as of January 2015;

Maas also indicated that he had been contacted by the Borchert Library at the University of Minnesota. Staff at the library expressed their interest in tracking and developing a web map application to display the status of free and open data by county in the state. Maas expressed his gratitude for this development as his efforts to track open data in the state have been in good faith, but ultimately *ad hoc*; being primarily based upon intermittent contact with data producers in Greater Minnesota.

Finally, Maas indicated that there has been interest in MetroGIS’ work from elsewhere in the United States and Canada. Maas was approached by Debra Kelloway of the York Info Partnership from York Regional Municipality in Ontario, Canada to present a webinar on the collaboratives work on the open data issue; this occurred on December 4, 2014 for the York Info Partnership Coordinating Committee.
Randy Knippel, the Chair of the MetroGIS Data Producers Work Group and Maas were contacted via email in January 2015 by the Louisville-Jefferson County Information Consortium in Louisville, Kentucky for the potential for presenting to them on the open data issue.

Next steps on the free and open data initiative include:

- Work with Scott County staff and leadership in 2015;
- Continue to respond to requests for info & assistance on the topic as needed;
- Conduct additional research as needed and directed by the Coordinating Committee;
- Report to the MetroGIS Policy Board at the April 30, 2015 annual meeting on:
  - How the data is being used;
  - How it is benefiting the user community;
  - Other relevant updates as they are germane to the group;

8c) Geospatial Commons
Dan Ross and Chris Cialek provided a summary update on the Geospatial Commons development to date. This included:

- Continued successful migration of all significant state geospatial resources currently provided in the MNDNR Data Deli, Minnesota Geographic Data Clearinghouse, MetroGIS DataFinder and other independent state agencies into the Commons architecture;
- Published resources accessible through the Commons has reached nearly 200;
- Participation of remaining state agencies and external partners will be pursued beginning in March 2015;

Ross encouraged the Committee members to visit the Commons site and consider hosting their agencies data within it.

8d) Address Point Editor Tool 3.0
Tanya Mayer (Metropolitan Council) provided a brief update on the status of version 3.0 of the Editor. Mayer indicated that the vendor (North Point Geographics in Duluth) is on schedule for final delivery of Version 3.0 of the tool by late February/early March and that three participating metro counties (Carver, Dakota and Hennepin) are testing the tool before its release.

Added functionality to be available in Version 3.0 of the tool includes:

- Support Address Change Report and Email Notices
- Add Functionality to ‘Add New Points’ Tool
- Add Functionality to page-thru and scroll item of multi-selection points
- Modify interface for larger comments field and scrollable pop-out field
- Support checks for duplicate addresses
- Add a tool to calculate a hypothetical address
- Organization and management of code;
8e.1) Statewide Centerline Project
Dan Ross provided a brief update on the project status. MnGeo has stood up an instance of the ESRI Roads and Highways modules and is engaged in efforts to conflate and work with non-state agency/locally produced data, the NextGen911 content will be a significant area of focus as well as capitalizing on the findings and progress of the metro centerlines initiative as they become available.

8e.2) Metro Regional Centerlines Collaborative
Maas provided a brief recap and update on the project and indicated that the data model document, supporting materials and sample dataset are ready for publication and review by the stakeholders. Review of the sample and documentation by the stakeholder community will take place through the month of February with a final report on their comments to be provided to the Committee at its March meeting and further action suggested by the Core and Design Teams of the project.

8f) Stormwater Initiative Update
Maas indicated that he has been setting up interviews with agencies that have expressed interest as either a stakeholder or data consumer of a potential standardized dataset.

Agencies interviewed so far include:
- Metropolitan Mosquito Control District
- University of Minnesota Ecology Department
- Ramsey Washington Metro Watershed District
- Metropolitan Council Environmental Services Department
- City of Shoreview
- St. Olaf College
- USGS Water Science Center
- Capitol Region Watershed District
- Upper Mississippi River Basin Association
- Mississippi Nat’l River and Recreation Area (Nat’l Park Service)
- City of St. Paul
- Ramsey County Department of Public Works

Scheduled for interviews in February
- Minnesota Department of Health (Feb 2)
- City of Minneapolis (Feb 4)

A summary document of the business cases of interested agencies will be on offer sometime in spring 2015 with summary presentations to both the Coordinating Committee and Policy Board as well.

8g) Sharing Beyond the Metro
Project is on hold with no current or planned action, save for the indirect work of stakeholder input from the Metro Centerlines project and the Free and Open data work.

8h) Private/Public Data Sharing
Was identified in the group’s project scoring exercise but lacks a champion, owner, work team, etc. so remains functionally ‘on hold’.
9) Revised Operational Guidelines and Procedures Document

Maas described the need for assembling the various edits and modifications to bring the document ‘up to speed’ and to match the actual practice and activities of MetroGIS. Edits and revisions took place in 2013 by various members of the MetroGIS community and need to be definitively organized for approval at the upcoming Coordinating Committee Meeting on March 26 and the upcoming Annual Policy Board meeting on April 30, 2015. Maas has assumed responsibility to assemble and publish this document for the review of the membership and board members.

10) Transition from Legal Agreement to Memorandum of Agreement Document

With the existing Legal Agreement between the Seven Metropolitan Counties and the Metropolitan Council set to terminate on December 31, 2015, it was suggested to—and approved by—the Policy Board that a new document, in the vein of a Memorandum of Agreement be drawn up in its place to highlight and emphasize the continued partnership of the Counties and Council in working together to share data, develop shared solutions, reduce costs and collaborate. Maas has assumed responsibility to draft an initial document for review and revision by the members of the Seven Metro County GIS Managers in February. The document will be reviewed at the March 26 Coordinating Committee meeting and offered to the Policy Board for their support and approval on April 30.

11) Data Standardization Discussion

Maas observed this issue underlies many of the projects presently in play at both the regional and state levels. It is well-acknowledged that regional and state agencies have a consistent need for locally produced address, parcel, centerline and other data and a balanced approach to solving these needs is warranted. Maas cited the example of the County Well Index data, where the Minnesota Department of Health and the Minnesota Geological Survey have developed a collaborative solution that meets both agencies needs for a reliable, consistent and useful dataset available to a larger geospatial consumer audience. He further cited the need for regional and state agencies to clearly document their business cases and to find solutions and resources that facilitate and ease the process for local data producers to provide the data without ever increasing burdens of work, responding to mandates and requests.

Craig indicated that this work toward standardization could be added to the Work Plan in 2015 for additional effort and analysis and, that real consideration should be made for standardization outside of Minnesota as well with neighboring states. He reminded the group that NSGIC remained positioned to raise the standardization to a national level of discussion. Kotz and Maas indicated that this work was part-and-parcel of the existing initiatives (Address points, road centerlines, parcels, etc.) and need not be its own separate project at this time for progress to be made.

The group engaged in an informal discussion of the various talking points around standardization:

Kotz intimated that we (MetroGIS participants collectively and our representative agencies) will be a part of these discussions as long as we continue to work on data development and data standards.

Knippel reminded the group that county governments have, and look to continue, to make the data their data freely available, however, County staff will still need to primarily answer to their own directors and business needs.

Funding or other assistance in-kind from regional and state interests are an important part of the standardization discussion and will help county staff to leverage interest and support from their leadership.
**Revisiting the Work Plan:**
Maas reminded the group that the Work Plan needed to be approved, or tabled for further review and discussion at the meeting. The group agreed that the budget could remain uncommitted and the Committee could approve the work plan contents without the commitment of the budget to the project list. Discussion and final approval of the budget can be conducted at the March (26th) meeting.

Nancy Read suggested that Maas send around the budget before the next meeting with staff recommendations on what to do with the funds.

The decision to pursue available awards was folded in under the Free and Open Data Work Project (#3) with S. Wakefield, D. Bitner and W. Craig volunteering to assist G. Maas with data collection and award applications.

**Motion to approve the 2015 Work Plan:**
Motion to approve: Kotz; second: Wakefield; unanimous support, motion carried.

**12) Next Meeting**
The next meeting will be held on Thursday, March 26, 2015

**13) Adjournment**
Proxy Vice Chair Mark Maloney adjourned the meeting at 3:30 pm.
Coordinating Committee Meeting: Thursday, January 22, 2015
A Proposal for a Metro Aerial Imagery Partnership in 2016

January 22, 2015
MetroGIS Coordinating Committee Meeting

Mark Kotz, Tanya Mayer, Geoff Maas
Metropolitan Council of the Twin Cities
Chris Cialek, Steve Kloiber
MN.IT Services @ Central
AGENDA

- Wrap-up: Current statewide imagery project
- Proposal: A new, flexible statewide multi-year imagery services contract
- Phase 1: Implementing a Metro imagery buy in 2016 with partnership options
- Important dates (estimated)
- Questions/Comments
Spring Aerial Imagery Project 2009-2014

- **SAIP**
  - 6-year project
  - 4-band & stereo imagery
  - 0.5-meter resolution
  - Funded: ENRTF at $1.1-million
  - Purpose: Update Nat’nl Wetland Inventory
  - Strategy: individual, annual contracts

- **Partnerships Offered**
  - To counties, tribes, federal agencies
  - 22 partnerships developed
  - Most bought up from 0.5-meter to 1-foot
  - Over an area representing 33% of MN
  - Total project budget increase: ~$1-million
Roles
- **DNR**: Primary customer, funding source, ID technical specs
- **MnGeo**: project/contract mgmt; liaison with partners; imagery QC; assessed 5% fee for these services
- **MnDOT**: Tech specialists; positional accuracy assessment
- **Counties, Tribes, Feds**: partners engaged through JPAs and POs; involvement varied

Future
- Project ending in first quarter 2015
- Interest in continuing partnership program, but no dedicated state $$*
- State would dedicate resources to develop and execute a new contract
Master Services Contract (MSC)

- Identify specifications for a set of products and/or services
- Pre-approve a number of qualified vendors
- Contract in force for multiple years
- When products are desired, they are pooled and a work order is prepared
- Vendor responses evaluated; best value selected
- As new needs arise new work orders can be issued over the life of the contract
- For this contract, the primary product would be imagery:
  - 4-band; Resolution from 3 or 4-inch to ½-meter; public
2016 Imagery

- Met Council is in the process of securing funding
  - 1-foot imagery
  - 7-county Metro
  
- If a MSC is in place, there is an opportunity for partners to buy up
  
- Additional partnerships would increase leverage, decrease costs
Imagery Survey

- Last fall Met Council led effort to survey 7 metro and 9 collar counties to gauge level of interest:
  - Do you intend to contract for imagery in spring 2016?
  - Are you generally interested in cost-sharing opportunities?
14 Counties Responded

Imagery Plans
- Yes: 4 metro 3 collar
- Maybe: 1 2
- No/Doubtful: 2 2

Interest in Cost Share Opportunity

Cost Share Interest
- Yes: 6 metro 6 collar
- No: 1 1
2016 Imagery Plans and Cost Share Interest

Additional Responses

- Primary resolution: 6-inch
- Spring, leaf-off
- Other related products to consider:
  - Stereo
  - Elevation data from stereo
  - Planimetrics
Pricing

- Impossible to project with certainty over the course of the next 5 years

- From past experience: Over SAIP project life cycle (2009 – 2014):
  - Cost of imagery fell by almost 43%
  - Primary experience: ½-meter and 1-foot imagery

- Some clues elsewhere: 2013 price list sample from Missouri (handout)
<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>TARGET START</th>
<th>TARGET FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Engage potential Metro County partners</td>
<td>09/2014</td>
<td>01/2015</td>
</tr>
<tr>
<td>2</td>
<td>Develop Master Services Contract RFP</td>
<td>01/2015</td>
<td>05/2015</td>
</tr>
<tr>
<td>3</td>
<td>Issue RFP, receive &amp; evaluate proposals</td>
<td>06/2015</td>
<td>07/2015</td>
</tr>
<tr>
<td>4</td>
<td>Select vendors &amp; execute MSC</td>
<td></td>
<td>07/2015</td>
</tr>
<tr>
<td>5</td>
<td>Develop JPAs/contracts/P.O.s with partners</td>
<td>07/2015</td>
<td>12/2015</td>
</tr>
<tr>
<td>6</td>
<td>Prepare work order</td>
<td>11/2015</td>
<td>11/2015</td>
</tr>
<tr>
<td>7</td>
<td>Acquire data</td>
<td>04/2016</td>
<td>06/2016</td>
</tr>
<tr>
<td>8</td>
<td>Process data</td>
<td>05/2016</td>
<td>09/2016</td>
</tr>
<tr>
<td>9</td>
<td>QC and accept data</td>
<td>08/2016</td>
<td>12/2016</td>
</tr>
<tr>
<td>10</td>
<td>Close out annual project</td>
<td></td>
<td>12/2016</td>
</tr>
<tr>
<td>11</td>
<td>Repeat steps 5 -10 if MSC is executed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Multi-year contract close down</td>
<td></td>
<td>12/2020</td>
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</tbody>
</table>
Questions
Summary

- This effort is a work in progress
  - We would like your reactions and ideas

Target Goals:
- Option for future acquisitions through 2020
- Contract executed……………………… July 2015
- Metro flight…………………………….. Spring 2016
- Acquisition defined………………… November 2015

Questions/Comments: tanya.mayer@metc.state.mn.us
Agenda Item 5: Lightning Round
Agenda Item 6: Policy Board Update
Last Convened on October 23, 2014

Updates at last meeting:
• Northstar MLS (Curt Carlson)
• US National Grid (Randy Knippel)
• General Fund Allocation for Geospatial Projects (Dan Ross)
• MetroGIS Project Updates (Stakeholders & Staff)

Policy Board Changes:
• New Scott County representative: Michael Beard (Dist. 3)
• Annual Policy Board Meeting (Final week in April)
• Legal Agreement to Memorandum of Agreement

Next Meeting (2015 Annual Meeting)
Thursday, April 30, 2014, 7 pm
Agenda Item 7:
2015 Work Plan

Sep 2014: Prioritized existing and potential projects

<table>
<thead>
<tr>
<th>2015 Project or Initiative</th>
<th>Work on in 2015</th>
<th>Ranking</th>
<th>Priority Score</th>
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<tbody>
<tr>
<td>Address Points Aggregation</td>
<td>Yes</td>
<td>1</td>
<td>462</td>
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<tr>
<td>Metro Regional Centerlines Collaborative</td>
<td>Yes</td>
<td>2</td>
<td>430</td>
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<tr>
<td>Free and Open Data Initiative</td>
<td>Yes</td>
<td>3</td>
<td>429</td>
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<tr>
<td>Geospatial Commons (Support)</td>
<td>Yes</td>
<td>4</td>
<td>387</td>
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<tr>
<td>Statewide Centerlines Initiative (Support)</td>
<td>Yes</td>
<td>5</td>
<td>333</td>
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<tr>
<td>2016 Imagery Collection Coordination</td>
<td>Yes</td>
<td>6</td>
<td>324</td>
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<tr>
<td>Address Points Editor 3.0 (Enhancements)</td>
<td>Yes</td>
<td>7</td>
<td>308</td>
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<tr>
<td>Dashboard Application</td>
<td>Maybe</td>
<td>8</td>
<td>252</td>
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<tr>
<td>Public/Private Data Sharing</td>
<td>Presently Inactive</td>
<td>9</td>
<td>174</td>
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<tr>
<td>Regional Stormwater Dataset (Research)</td>
<td>Yes</td>
<td>10</td>
<td>155</td>
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</table>
## 2015 Budget [$86,000] [$50,320 available]

<table>
<thead>
<tr>
<th>2015 Rank</th>
<th>Project/Expense</th>
<th>MetroGIS 2014 $86,000 + Carry Over</th>
<th>MetroGIS 2015 $86,000</th>
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<tbody>
<tr>
<td>1</td>
<td>Regional Parcel Dataset Legal Agreement Payment</td>
<td>28,000.00</td>
<td>28,000.00</td>
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<tr>
<td>2</td>
<td>New MetroGIS Website</td>
<td>46,235.50</td>
<td>(NA in 2015)</td>
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<tr>
<td>3</td>
<td>Address Points Aggregation</td>
<td>(NA in 2014)</td>
<td></td>
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<tr>
<td>4</td>
<td>Metro Regional Centerlines Collaborative</td>
<td>(NA in 2014)</td>
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<tr>
<td>5</td>
<td>Free and Open Public Geospatial Data</td>
<td>0.00</td>
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<tr>
<td>6</td>
<td>Geospatial Commons (MetroGIS Support)</td>
<td>14,000.00* [+14,000]</td>
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<tr>
<td>7</td>
<td>Statewide Centerlines Initiative (MetroGIS Support)</td>
<td>0.00</td>
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<td>8</td>
<td>2016 Aerial Imagery Collection Coordination</td>
<td>(NA in 2014)</td>
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</tr>
<tr>
<td>9</td>
<td>Address Points Editor 2.0 (Enhancements)</td>
<td>7,160.00</td>
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<tr>
<td>10</td>
<td>Address Points Editor 3.0 (Enhancements)</td>
<td>16,400.00</td>
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<td>Dashboard Application (On Hold)</td>
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<td>12</td>
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<td>13</td>
<td>Regional Stormwater Dataset (Research Only)</td>
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<tr>
<td>14</td>
<td>Miscellaneous Maintenance Expenses</td>
<td>2,060.27</td>
<td>2,000.00</td>
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</table>

|                     | Spent or Committed                                    | 113,855.00**                       | 35,680.00             |
|                     | Remaining                                             | 0.00                               | 50,320.00             |

*An additional $14,000 from the MetCouncil IS Dept Budget was added to the Commons;**This sum includes carry over (un-used) funding from 2013 MetroGIS budget;
Agenda Item 8:
Brief Project Updates
8a: Address Point Aggregation

**Original Address Point Dataset Goal:**

**Authoritative Address Points**
Created by Address Authority
(§412.221, Subd 18)

Assisted-aggregated-augmented by County government
(§403.02)

**Actual Data Coming In:**
Represents a mix of
**Authoritative Address Points** and **Parcel Centroids**;
Multiple points representing all addresses on the parcel;

Unit number listed for each point;

Each point contains a complete unique address;
Multiple points representing all addresses on the parcel;

Unit number listed for each point;

Each point contains a complete unique address;
Quasi-Address Point Example

Four (4) points representing twelve (12) businesses

Building number is listed;

No unit information listed;
Quasi-Address Point Example

Four (4) points representing twelve (12) businesses

Building number is listed;

No unit information listed;
Quasi-Address Point Example

Single point representing six (6) businesses;

Building number is listed;

Unit number is listed only for one (1) business;
Convene the Addressing Work Group in February;

Work through issues and ideas;

Develop/refine domains;
8b: Free + Open Data: Developments

Clay County
Adopted a ‘free and open’ resolution (Oct 28, 2014)

Washington County
Adopted a ‘free and open’ resolution (Nov 18, 2014)

Stearns County
Published their data on their website (Dec 2014)

Sherburne County
‘Zeroed out’ their fees for GIS Data (Jan 1, 2015)

Borchert Map Library Staff
(University of Minnesota)
Volunteered to track of county by county data availability
Free and Open Public Geospatial Data
As of January 1, 2015

- Data is Freely Available: No Formal Policy Adopted
- Sale and Licensure of Data
- Data In Development
- 2014 Free and Open Data Policy Adopted: Data Freely Available
- Free and Open Data Under Consideration
- Current Status Unknown

(Year in white indicates year the data became freely available)
(Year in gold indicates year a free and open data policy was adopted)

Sources:
- Phone interviews with county staff (Jan 2014 - Jan 2015)
- Minutes of County Board Proceedings (Jan 2014 - Jan 2015)
- Web searches for parcel data and parcel data viewers (Jan 2014 - Jan 2015)

Note: This map is subject to frequent updates
Free + Open Projects >> Free + Open Data

Research

Metro County Resolutions

Greater MN Resolutions

Presentations
8b: Free + Open Data

Continued interest outside of Minnesota:

York Info Partnership
York Regional Municipality
Newmarket, Ontario, Canada

Louisville-Jefferson County Information Consortium
Louisville, Kentucky
8b: Free + Open Data: Next Steps

> Work with Scott County in 2015;

> Respond to requests for info & assistance;

> Conduct additional research (as needed);

> Report to MetroGIS Policy Board on:
  • *How the data is being used*;
  • *How it is benefiting the user community*;
Metro Regional Parcel Dataset: **Full Version**

> Includes Data From **All Seven Counties**
> Data in **MetroGIS Parcel Standard**
> Requires **License Agreement** to Acquire
> Available to Government/Academia
> Agreement ends **December 31, 2015**

Metro Regional Parcel Dataset: **Free Version**

> Includes Data From **Four Counties**
> Data in **MetroGIS Parcel Standard**
> **No License Agreement Required**
> **Publicly Available**
> **Authorized Representative** must grant permission for county’s data to be included
8c: Minnesota Geospatial Commons

http://gisdata.mn.gov/
The experiment...

• Build a place that users see as the place of choice to go to find, evaluate, access and follow (stay connected with) the best data to meet their needs...

• Create a place that publishers want to put their geospatial resources for others to discover;
Status

- Migration of all significant state geospatial resources currently provided in the Data Deli, Minnesota Geographic Data Clearinghouse, Data Finder and other independent state agencies taking place.

- Published resources accessible through the Commons has reached nearly 200.

- Participation of remaining state agencies and external partners will be pursued beginning in March 2015.
8d: Address Point Editor Tool 3.0

Vendor: North Point Geographic Solutions (Duluth)

**Added functionality in Version 3.0:**

- Support [Address Change Report](#) and [Email Notices](#)
- Add Functionality to ‘Add New Points’ Tool
- Add Functionality to page-thru and scroll item of multi-selection points
- Modify interface for [larger comments field](#) and scrollable pop-out field
- **Support checks** for duplicate addresses
- Add a tool to calculate a [hypothetical address](#)
- Organization and management of code;

**Project Schedule:**

Version 3.0 anticipated completion and available to users by Late February/Early March 2015
Agenda Item 8e: Centerline Initiatives
Agenda Item 8e.1: Statewide Centerline Initiative
Statewide Centerline Initiative Initiative

Delay…..

• Set up: MnGeo instance of Esri Roads and Highways for the partners;
• Conflation of non-state data;
• Align with Metro Counties Centerlines;
• Next Generation 9-1-1 efforts;

To develop, test, refine, publish and perpetuate a single state-wide roadway dataset that meets the needs of a diverse user community;
Agenda Item 8e.2:
Metro Regional Centerlines Collaborative
Metro Regional Centerlines Collaborative [2014]

1) Define core business needs of the...
> Seven Metropolitan Counties;
> Metro Emergency Services Board;
> Metropolitan Council;

2) Develop a data model
> Finalized in November;

3) Develop the outreach materials & strategy
> Finished and approved in November;
> Ready to go;

4) Develop the sample dataset for stakeholder review
> In progress;
Once **sample dataset** is available....

5 ) Begin **stakeholder review period**:
- **Statewide** availability of sample data;
- ~8-10 survey questions + open comments;
- Emergency services stakeholders;
- Counties and cities;
- MetroGIS stakeholders;
- Regional agencies;

6 ) Collection of **stakeholder comments**
Reporting back on comments to the MRCC Core Team;
Documentation of technical issues;
7) Revision and review of data model based on stakeholder comments

8) Core Team and project team representatives to reconvene and determine next steps
Materials to be available from MetroGIS website

Projects > Metro Centerlines

Download sample data (includes a disclaimer)

Documentation

Survey

Feedback

Contacts
8f: Stormwater Project

Working Title: ‘StormFlow’

Current tasks:
> Setting up in-person interviews with interested stakeholders;
> Documenting their business cases;

Status
> 12 agencies interviewed so far;
> 2 more interviews scheduled for February;

What’s next:
> Approximately 35-40 agency interviews total;
> Summary document of the collected business cases;
> Submit document to Coordinating Committee when complete;
> Executive Summary/Update to Policy Board on April 30, 2015;
8f: Stormwater Project

Agencies interviewed so far...

• Metropolitan Mosquito Control District
• University of Minnesota Ecology Department
• Ramsey Washington Metro Watershed District
• Metropolitan Council Environmental Services Department
• City of Shoreview
• St. Olaf College
• USGS Water Science Center
• Capitol Region Watershed District
• Upper Mississippi River Basin Association
• Mississippi Nat’l River and Recreation Area (Nat’l Park Service)
• City of St. Paul
• Ramsey County Department of Public Works

Scheduled for interviews:

• Minnesota Department of Health (Feb 2)
• City of Minneapolis (Feb 4)
8g: Sharing Beyond the Metro

Not identified as a 2015 Work Plan priority;

Possible indirect activity with **Metro Centerlines** and **Free + Open Data**;

8h: Private/Public Data Sharing

- Identified as a 2015 Work Plan priority;
- Needs some ‘shape’ – open to ideas;
9: Guidelines + Procedures Revisions

In 2013:
Review by Committee members (Kotz, Brandt, Bitner, Gelbmann) and staff (Maas)

Revisions suggestions not formally approved by the Policy Board;

Membership process;

New Policy Board changes (10.23.2014);

Revised Draft to be posted in early March 2015 on MetroGIS website for review;

Submittal for approval at Annual Policy Board meeting (04.30.2015);

Changes must be approved by the Policy Board;
10: Legal Agreement

Current **Legal Agreement** between the **Seven Metropolitan Counties** and the **Metropolitan Council** will sunset on **December 31, 2015**;

**Legal Agreement** to be replaced by a **Memorandum of Agreement (or comparable document)**;

Not specifically focused on just the parcel data;

Highlight the **mutual benefit** of continued **partnership** and **collaborative work**

**MetroGIS staff (develop a draft)**
**County Managers + MetCouncil staff review and shape**

Review and approval at **Annual Policy Board** meeting (April 30, 2015);
11: Data Standardization Discussion

**Current initiatives (regional and state):**
Parcels, address points data, road centerlines, etc.
Demonstrating the persistent need for data standardization;

**Appropriate and realistic roles** for:
*Local, city, county, regional and state actors*

**A single solution** will not fit all the datasets and the needs;

**Goals:**

Clarity of role(s) of each participating actor;

What resources (funding/personnel/etc/) are needed to fulfill the roles;
12: Next Meeting: March 26, 2015
Metro Centerline stakeholder input results

13: Adjourn