

**ADMINISTRATION AND HUMAN SERVICES
STANDING COMMITTEE MINUTES
Monday, January 28, 2019**

The meeting of the Administration and Human Services Standing Committee was held on Monday, January 28, 2019, at 6:23 p.m., in the 5th Floor Conference Room of the Municipal Office Building. The following members were present: Commissioner Markley, Chairman; Commissioners Philbrook, Johnson, Kane and Bynum. The following officials were also in attendance: Gordon Criswell and Melissa Sieben, Assistant County Administrators; Commissioner McKiernan; Misty Brown, Deputy Chief Counsel; Alan Howze, Chief Knowledge Officer; Jud Knapp, Performance Management & Data Analyst in IT; Chris Cooley, GIS Director; and Jay Doleshal Sergeant-at-Arms.

Chairman Markley called the meeting to order. Roll call was taken and all members were present as shown above.

Approval of standing committee minutes for October 22, 2018 and November 26, 2018. **On motion of Commissioner Philbrook, seconded by Commissioner Johnson, the minutes were approved.** Motion carried unanimously.

Committee Agenda:

Item No. 1 – 18554...UPDATE: UG'S OPEN DATA EFFORTS

Synopsis: Annual update on the Unified Government's Open Data Policy regarding efforts to make more data publicly available, submitted by Alan Howze, Chief Knowledge Officer.

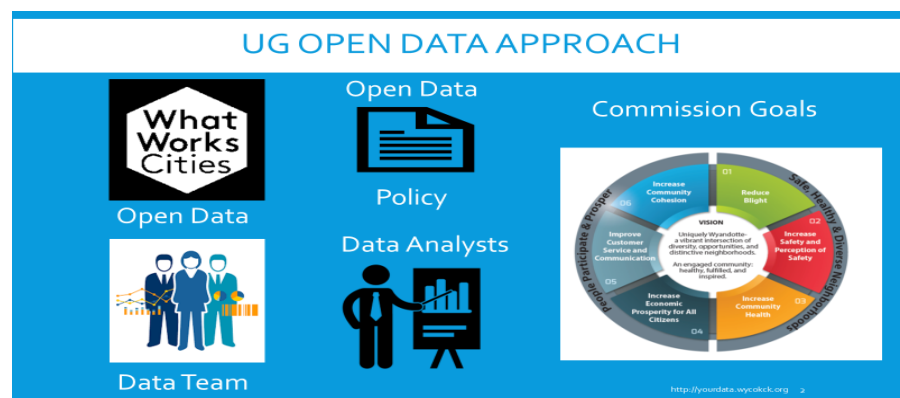
Alan Howze, Chief Knowledge Officer, said just a quick background. In November of 2016, Administrator Bach signed an Open Data Administrative Order. Included in that was an annual update to the Commission on open data, which is the reason that we are here before you this evening. Tonight, we wanted to bring you that update; but perhaps more importantly, we bring you kind of a continued story of the UG's evolution and the use of data to support decision-making. I think you'll see that through the presentation this evening. It's really a multi-department effort to expand our capability and our capacity to use data to inform decisions.

This is the Knowledge Department in which Jud is the Data Analyst assist, but also with Public Works, Health Department, Planning, Police and Fire; just a multitude of departments that are engaging in different ways around the use of information and data. You'll hear how it's underpinning some of the key priorities for the Commission, things like, Neighborhoods Up and SOAR are utilizing heavy users of data and data visualization and mapping.

I want to recognize a few folks, specifically Jud Knapp, who's our UG Data Analyst; Chris Cooley, who's our Geospatial Services Manager, and also members of his team: April Friedl and Brian Knehans who's been involved in this; Rob Anderson, the Public Works Asset Manager, has been instrumental as well; and recognize Hanna Moseniac, who is an Americore Vista and actually spending a year with us in KCK, has been a great asset for the data team as well.

Jud's going to talk about how the UG's using data, and then do a short demo of the UG Open Data Portal.

Jud Knapp, Performance Management & Data Analyst in IT, said Allen covered how we got started with What Works Cities.



From the What Works Cities work, we had to do an open data policy. That's basically that we have to share data openly, make it easy, and made it so people can easily gather the data. Also, the reason I'm here tonight, I have to give a one-year annual update. We've created a data team. It's across the departmental data team with all of the data champions in our city. Last year when I gave this update, I was the first UG Data Analyst. Now we have a data analyst in the Health Department, so we have data analyst now. The work we're doing is in all six areas of the Commission goals.

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WHAT ARE WE DOING WITH OPEN DATA?

- Make data **available** to everyone
- Use data as **enterprise-wide** resource
- Support the **SOAR** initiative
- Drive **data-driven** decisions
- Give **residents** neighborhood information
- Enhance **transparency**

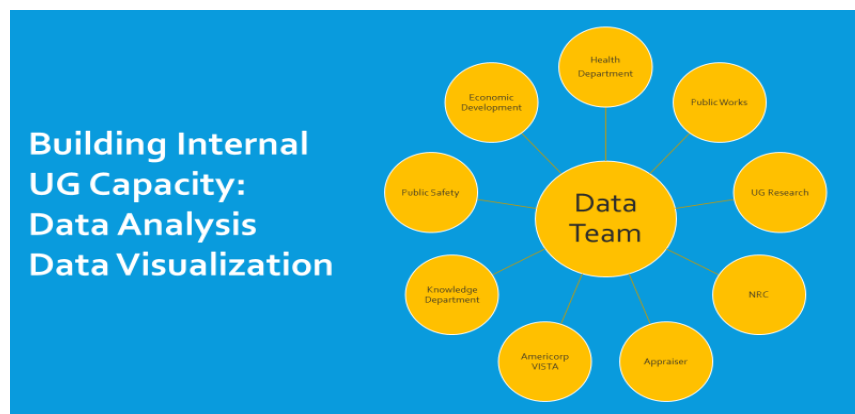


<http://yourdata.wyotech.org>

What are we doing with the open data? We make data available to everyone. We make a product, we share it out on open data, and we let others use it. We have great example of this. The Police Department found out we did a population estimate, and they needed a population count by their district. The data team made the initial product and then they got the population count by district without us really doing anything, so we let others do it.

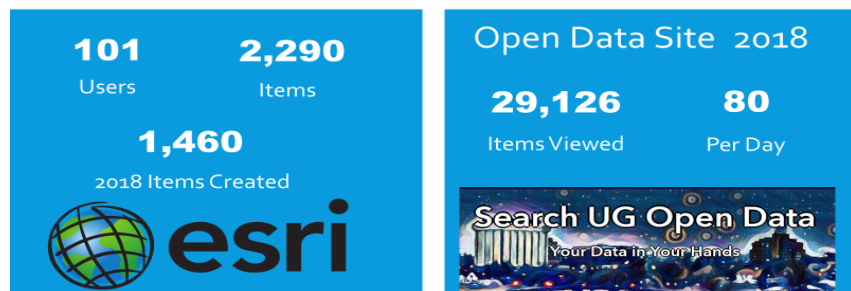
Commissioner Philbrook said so that's what that report we're getting from the Police Department is coming from, is through your data. We get them sent out to us from the Police Department about the types of infractions that have happened per district. Is that where that's coming from? **Mr. Knapp** said we have the population count, so yes. **Commissioner Philbrook** said thank you.

Mr. Knapp said data is an enterprise-wide resource. The data in the UG used to be siloed, only departments kept their data. Now, with the data team, we built relationships and now we use everyone's data as a whole. We support the SOAR initiative. We do the 10,000-property improvement count. We drive data-driven decisions. We give residence and neighborhood information so they could investigate their neighborhoods, like which houses are unfit and which houses are on the dangerous buildings list. We also enhance transparency to increase trust.



We are building internal UG capacity with data. We do that by the data team is in the middle of all these departments. I view it as kind of connecting the dots. We know what data the Appraiser has but maybe the NRC doesn't. We are basically just connecting the dots; making the wheel complete.

ESRI ENTERPRISE AGREEMENT



The ESRI enterprise agreement was signed last year. **Chris Cooley, GIS Director**, said I can speak to this a little bit. Last year, it actually started probably nine months before that, we entered into an enterprise agreement with ESRI, who's the provider of our GIS mapping software; the industry leaders in this, pretty much. They're the name you go to when it comes to mapping software and things like that. This eliminates barriers to entry we have to using the software.

Most of the software, most of the data, I'm famous for saying that a good 90% of the data that we deliver is spacial in nature because all of the things that we do as a government are to an address or to a location. We're delivering services. We're issuing permits. We're issuing inspections. Fire trucks and police cars are all going to a location. Having a map component to it is very important. That's a foundation of our Open Data Portal and everything like that.

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I hope I'm not stealing too much of what Jud may be saying here, but the enterprise agreement allows us to remove those barriers to entry whereas before, the cost for software per an individual user was quite costly. This way, we've taken that cost on as a whole for the organization as part of the Knowledge Department.

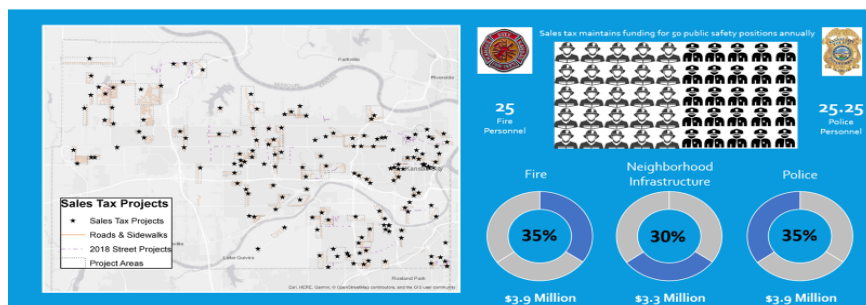
Looking at the numbers, we've increased quite a bit and spread things. We only see this growing more. As far as the amount of things we have on our online portal is available through staff, considerable increase and things in a one-year period, number of users we have using the software online. It's only going to increase, and this is just the beginning.

Mr. Howze said I'll just briefly add, the Commission funded this. I suppose you wonder, we funded it and what happened to it. We wanted to come back to you and say that one of the efforts of that funding for this enterprise agreement is that we are broadening the scope and the use of this kind of data analyses and mapping across the organization.

Commissioner Philbrook said I didn't remember. Was this kind of a web-based situation where we fed the money onto the website and then people will have access to it? Is that what it is?

Mr. Cooley said not sure which presentation you're thinking of. When we originally rolled things out, the Open Data Portal, which you can kind of see the picture down at the bottom, Search UG Open Data, yourdata.wycokck.org, is our presence for presenting data that has been through the vetting process and we worked through them, and we're releasing. **Commissioner Philbrook** said just trying to remember where the portal is located. **Mr. Cooley** said yourdata.wycokck.org.

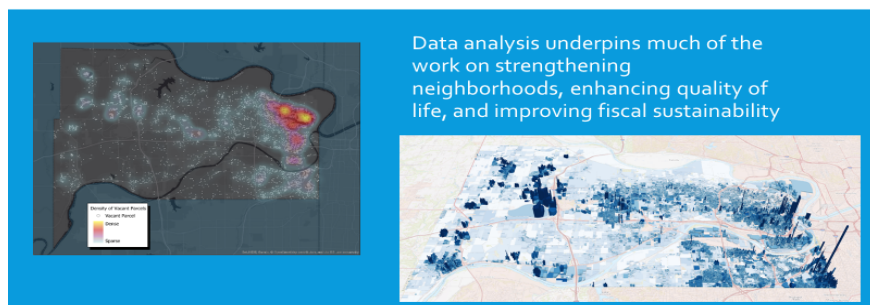
SALES TAX RENEWAL



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Mr. Knapp said now we're going to get into some of the exciting work we've done. This is the sales tax renewal. For this one, we had to go through ten years of financial data and ten years of capital projects. Out of that, we summed it up with some infographics where you can see where all the stars for the sales tax projects were partially funded or fully funded. It funds 50 police and fire. This is just an example of how we summarize data and tell our data story.

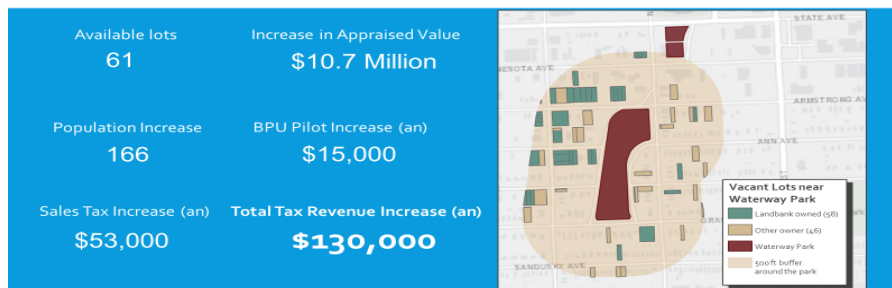
NEIGHBORHOODS UP & SOAR



Neighborhoods Up & SOAR is where the majority of my work has been this past year. With strengthening neighborhoods through infill housing models, enhancing the quality of life through SOAR and their property maintenance work and improving fiscal sustainability through infill housing models in ROI.

If we filled all the lots in Waterway Park within 500 feet, what would happen? We really homed in on how the city makes money off of property, like how can we increase our revenue. We can do that through the population increase because that would be increased sales tax, the BPU PILOT increase per house. When you total up all those, if you put 61 houses there, we would have an annual revenue of \$130,000 that would go to our bank.

FILL REMAINING VACANT LOTS AROUND WATERWAY PARK



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POPULATION DENSITY



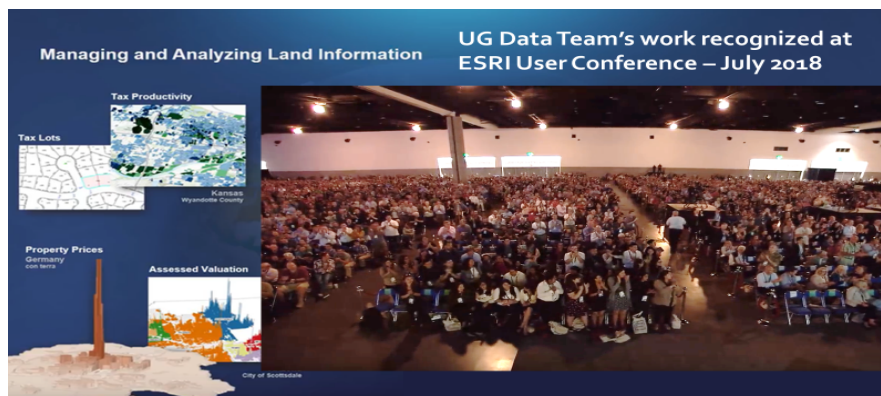
Our population density. This is an exciting—this is like one of the best things I think we did this year. It's pretty cool that we could drop any buffer zone around anything: a school, a fire station, anything and get a population count from it. Before, we were restrained to census block groups like our Strawberry Hill area that went through four of those, so we would not have a great population count but now we have them.

This is good for: economic development, counting how many people are in an area for commercial development; public safety, for their population count by district; and health initiatives, find out how many people are around health clinics. Return on investment models are how many people would be affected by a project.

Commissioner Philbrook said basically what you're saying is now, because we can determine what areas we want to talk about, you can do it. It doesn't have to be set up by our census or previous census. It can be like two square blocks or it can be ten blocks and we pick out what it's going to be to give us the data from that. **Mr. Knapp** said that is correct. **Commissioner Philbrook** said that's a big amen, thank you. **Mr. Howze** said as Jud said, it sounds like a minor thing. In its utility it has a lot of applications.



Mr. Knapp said we also worked with the CHIP, Community Health Improvement Plan. Our role was basically to make sure the goals they came up with were measurable and that we had data for them, so we helped them set their goals. This is also quite exciting. This was a PowerPoint from the opening slide of the ESRI conference in July. Our tax productivity map made the list. I have to say Rob Anderson really made this map look great.



Here is a photo of the conference. There's a ton of people there that seen this and had our call-out.

OPEN DATA SITE

<http://yourdata.wycokck.org>

Here's our open data site. There's the address.

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OPEN DATA DATASETS

2017	2018	2019
1. Land Bank	1. Appraiser Data	1. Housing attributes
2. Current Demolition List	1. 2018 Values	2. Mowing
3. Demolition History	2. 3 year value change	3. Opportunity Zones
4. Vacant Lots	3. Residential Buildings	4. Road Condition
5. Unfit Structures	4. Commercial Buildings	5. Parks
	2. Neighborhood Resource Center	6. Fire
	1. Code violations	7. Traffic accidents
	2. Weeds	
	3. Graffiti	
	3. Taxes	
	1. Tax Distribution	

In 2018, our datasets we pushed out were the 2018 values. It's actually a five-year value change. Residential buildings and commercial building attributes: we have code violations, weeds and graffiti, and we have a tax distribution map out there.

For 2019, we plan to continue with the housing attributes. I really want to do what a developer looks at when they want to make a development project so they can have all that on the open data sight. We're still working with the mowing app. We're currently working with opportunity zones: road conditions, parks, fire and traffic accidents.

Commissioner Philbrook asked are we still fine tuning the code violation stuff right now or are we through with that. You understand the question? Basically, when you say code violations, you mean code violations that individuals have had put them on or what code violations are? What do you mean by that? **Mr. Knapp** said I have it by parcel. **Commissioner Philbrook** said I can't hear you. **Mr. Knapp** said by house.

Commissioner Philbrook asked so in other words, any house that has a code violation against it, it can show up on there. Is that what you're saying? **Mr. Knapp** said in 2018, yes. **Commissioner Philbrook** said in 2018, okay. Does it also show when the violation has been taken care of? **Mr. Knapp** said there is a status on there of completed or ongoing. **Commissioner Philbrook** said I'm just asking because those are the things we get to hear about more than anything else. I just wanted to find out if you felt that you were through troubleshooting that system or if you think it's pretty well fine-tuned. **Mr. Knapp** said we are still working on it. It's in progress. **Commissioner Philbrook** said thank you for that honest answer. I appreciate that.

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Mr. Knapp said this is our Open Data sight. I'm going to give you a quick demo of our Open Data sight. (There was an issue bringing the sight up.)

Commissioner Bynum said I just would comment Allen and your team, the more I understand what you're doing, the more I appreciate it. I've struggled to get my head around what are we doing. I get that we need data, but seeing the ways that you've applied the work is, I don't know, I just really appreciate your touching every department and I don't think I quite grasp that. **Commissioner Kane** said that's okay, you don't need to see it. **Commissioner Bynum** said if you want to show it to us next month when it's warmer, that's fine with me.

Chairman Markley said one big push of the Commission over the past six or seven years has been smart goals. We had difficulty in the early years because it was difficult to create a measurable goal if we didn't have the data to measure anything. This has been critical to our continuing goal setting as a Commission and we definitely appreciate that.

Commissioner Philbrook said this is what happens when you have to wait to get it organized. My comment is, this is actually phenomenal because now my little brain is just going crazy trying to think of all kinds of things I can ask for as far as data and how to roll it together, so I'm just very excited. **Mr. Howze** said ideally, we can make that self-service so that as you think of those questions, you can query them and residents can as well. Neighborhood groups can begin to delve into this and ask questions, that we haven't even conceived of. That's the beauty of it. **Commissioner Philbrook** said yes, that's why we're elected, to come up with all those questions.

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Mr. Knapp said we created these categories where I believe people will get the most use out of our maps. I just want to show you what open data is supposed to be like, what generally what is open data. (Showed open data on screen.) Let's do Land Bank parcels. This is open data; it's just putting data out there. That really doesn't tell us much. Like, where is this Land Bank property? You don't know from this. What we're trying to do is make this data usable for people. If we come into our maps and we click on vacant lots, open, there are all our vacant lots. We can zoom in and click on them, do the parcel number, appraised value.

Commissioner Bynum asked you don't mean necessarily tax delinquent or Land Bank. You mean there's not a structure on it? **Mr. Knapp** said correct. Improvement value of zero. **Commissioner Philbrook** said that also shows all the little lots that have no improvement on it that are nothing but drainage ditches with trees on them that you really don't want to try to do anything with. Is that what that is too? **Mr. Knapp** asked where. **Commissioner Philbrook** said so it's not as bad as it may seem in some locations.

Mr. Knapp said there are some areas that cannot be developed that are hill-sized and tree-lined. **Mr. Howze** said it does allow you to zoom in and zoom out. It's interactive so you can get down and you can begin to sort of see different patterns and again, sort of explore the data however you want to.

Mr. Knapp said now we're going to go to the tax productivity map. This always makes some people sick zooming in on a 3D map. You can see that there's Central Avenue; it's commercial. Here's Strawberry Hill, this is the Cathedral neighborhood, and this is Waterway Park in here. That's how much taxes each parcel generates. **Commissioner Philbrook** asked so the darker it is the (audible). **Mr. Knapp** said that is correct. **Mr. Howze** said per acre; on a per acre basis. It's a relative measure of tax productivity for the UG.

Rob Anderson, Asset Manager, said the extrusion represents the same information also. The height of the polygons also explains the tax roll productivity per acre. They're colorized for those that can view color. Green is commercial, blue is residential, and there's another category that's kind of an opaque color. You can turn that on and off. There should be preset slides in there, but this might not be my version of the map. Is this the one that's on open data. **Mr. Howze** said yes.

Mr. Knapp said I just turned off the commercial properties. **Mr. Anderson** said if you'd like to view this map, you can also go to maps.wycokck.org/taxproductivity.html. **Commissioner Kane** said that was easy. **Mr. Howze** said when you start to look at this, you begin to see the relative importance of commercial property and the tax base so you begin to ask different questions.

Mr. Knapp said the next one is the population density. It's the same map we've seen. I believe these are 2,000 feet axis so we don't just pinpoint which houses have population, but we spread it out. You can see that we zoomed into the KU area and the population is higher over there.

I'll show you a dashboard that we can make. This is the unfit dashboard that gives you the current unfit count. Off to the side, this is the year it was added to the unfit list. There's a heat map on there right now. I can turn off the history and I can turn off the heat map to give you it's an unfit property we got here. **Melissa Sieben, Assistant County Administrator**, said remember unfit can include no utilities. **Commissioner Philbrook** asked no utilities. **Ms. Sieben** said yes.

Mr. Knapp said this is just a sample of a dashboard that we make. Here's the code violations, let's zoom out here and get the heat map. These are the code violations for 2018 only. It's all of them. It totals about 20,000 violations last year. We can just zoom in here and when you get closer, it turns to points and you can click on it and get some detail. This one was a vehicle and had the status that it was completed. This one has been taken care of. This one was code admin citation and it's been completed also.

If you want to use this site, the best spot I can tell you to go is to stay in these three. This is for real estate developer section that we are creating so we can get all the data that developers look for when they want to build. These are the public dashboards that have the counters on the side, and these are all the maps that we've shown. This is the link to the My Sidewalk CHIP Dashboard. This is the link to the SOAR dashboard.

Chairman Markley said just to be clear, all of this is public. Just the public dashboards are the things we most suspect the general public might be interested in. If you're just a random person and you want to look at the developer information, go for it. It just might not be all that

meaningful to you, but all this is public; anybody can access it. **Mr. Knapp** said we try to make it into a usable form that we can understand. It's not a spreadsheet.

Commissioner Philbrook said on the developer part, did you put in the opportunity zone area. **Mr. Knapp** said we're currently making that. **Commissioner Philbrook** asked you're getting ready to. **Mr. Knapp** said yes.

Mr. Knapp said this is residential parcel information from the Appraiser. This is just all the information from the Appraiser per residential, like number of living units. It's a farming ranch, there's two beds and one bath, basement type, square footage and year built. **Chairman Bynum** asked we're in real time. **Mr. Knapp** said this one doesn't update that fast. I think it updates quarterly. Isn't that right? **Commissioner Philbrook** said yes, quarterly. **Mr. Knapp** said I believe so. **Commissioner Philbrook** said it's closer to real time than we've ever been before in our lives. I'm sorry.

Mr. Knapp said that's all that I had. **Commissioner Bynum** said really appreciate it. **Commissioner Philbrook** said yes, it's a big thank you thank you, thank you.

Mr. Howze said if you go back to the main, there is other information in there. If you just scroll down on the page, you can find there are links to a number of other internal systems that also have information. Part of what we're trying to do is make it simple for people, but you can kind of go to the source. There's also, I'll just point out that open gov, the financial data, so if anybody wants to see the spending data, historical or current spending data with the UG, it's on the open gov site as well. This is all sort of in the name of additional transparency and making that information widely available to anybody who might like it.

Action: For information only.

Chairman Markley adjourned the meeting at 6:43 p.m.

Adjourn

mbb

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