



## Utah Broadband Advisory Council

Thursday, May 4, 2017

10:00 AM-12:00 PM

Governor's Office of Economic Development

### Attendees:

Kelleigh Cole, Governor's Office of Economic Development  
Ginger Chinn, Governor's Office of Economic Development  
Kira Slawson, Utah Rural Telecom Association  
Shauna Derbyshire, Bureau of Land Management  
Jared Anderson, Emery Telecom  
Brock Johansen, Emery Telecom  
Lynn Yocom, UDOT  
Jacobus (Kobus) Van der Merwe, University of Utah  
Saxton Neibaur, Americom  
Trent Bangert, Americom  
Bill Duncan, Utah Division of Public Utilities  
Jack Walkenhorst, All West Communications  
Sharon Bertelsen, Ballard Spahr  
Douglas Meredith, URTA  
Dennis Sampson, Utah Education and Telehealth Network  
Ray Timothy, Utah Education and Telehealth Network  
David Tietjen, Rocky Mountain West Telecom  
Gordon Coles, Utah Communications Authority  
Mike Flynn, Economic Development Corporation of Utah  
Max Backlund, Economic Development Corporation of Utah

Brian Christensen, Horrocks Engineers  
Rick Gaisford, State Board of Education  
Heath Price, USDA Rural Development  
Lynn Beecher, Go Fiber  
Ryan Marriott, Probst Electric  
Dave Ryan, Strata Networks  
Jon Bingham, Strata Networks  
Bert Granberg, Automated Geographic Reference Center  
Jason Morgan, Zayo  
Flint Timmins, Rural Planning Group  
Aubrey Larsen, Rural Planning Group  
Angie Welling, Google Fiber  
Jim Stewart, Utah Education and Telehealth Network  
Kevin Dutt, Utah Education and Telehealth Network

### Phone:

Sabrina Scott, Utah Education and Telehealth Network  
Dean Cox, Washington County

### Announcements:

Kelleigh Cole introduced Ginger Chinn, who joined the Governor's Office of Economic Development as director of Urban and Rural Businesses services, and gave a brief background of her work. Kelleigh also announced that she has been selected as the Vice Chair of the Federal Communications Commission's Broadband Deployment Advisory Committee. She will attend quarterly meetings and will be a part of a working group to create model codes for states to encourage broadband deployment.

### FirstNet Update:

Gordon Coles updated the board on FirstNet, as well as the next steps for Utah and the Governor's decisions. An RFP was released last January and they estimate that FirstNet and its contractor AT&T will start to build out the public safety network in the first quarter of 2018. Currently a \$100 billion budget has been allocated for a 25 year contract with between AT&T and FirstNet. AT&T is planning to invest \$40 billion dollars for the next 25 years. AT&T is committed to pay back over \$18 billion dollars, about three times of what they are required. The CEO of FirstNet is also challenging AT&T to make the network compelling enough to attract public safety officials to sign onto the network within the first 4 years. As a part of their contract AT&T is bringing Motorola and other tech companies that will bring and enhance unique assets and devices.

The president of AT&T global said that once a state opts in, all public safety users will be given the AT&T commercial network before the Band 14 network is finished. By the fourth quarter of this year, preemption will be offered for public safety users. They will have an app store dedicated to public safety so users can search and download apps that are relevant to their position and users will also have access to 40,000 Wi-Fi hotspots.

Next steps are to get state plans developed and issued. They plan for June 7 and 8<sup>th</sup> to have four representatives from each state meet in Dallas, TX to discuss state plans. AT&T will give an overview of their plans, demonstrate state plan portal, and train teams how to use the portal. There are two sides to the portal, one for public safety users and the other for the public where they can look at the costs of implanting FirstNet. FirstNet will have draft state plans available in Mid-June. By mid-September, the state plans will be released for Governor's to opt in or opt out. In 2018, opt-in plans will be put into place and the network should be built by 2022.

## **UEN Update**

Ray Timothy addressed the board stating prior to merging with the Utah Telehealth Network, UEN saw great success within the program to work with the FCC and getting reimbursements for statewide networks. Telehealth has now been with UEN for two years and created success within healthcare and e-rates. Utah has been called the best model to follow for combining Healthcare Connect Funds and E-Rate. There are still 14 applications from FY16 that are still in the initial review stage with USAC.

UEN also met with Commissioner Clyburn to discuss future goals for the FCC and USAC. Ray also discussed the letter that Chairman Pai sent out to USAC, and wants to make sure it is making the E-Rate Program more efficient. Commissioner O'Reilly has expressed he wanted to see the results of merging of healthcare and E-Rate together in Utah. UEN may go to DC again to sit down with USAC and ask what they can do to speed up the process. These issues impact both the Daggett and San Juan County Projects.

## **Locate.Utah.Gov SureSites Discussion:**

Michael Flynn, The Chief Operator at EDCUtah, has been working with Broadband Outreach to merge Locate.Utah.Gov with the SURE Sites website. EDCUtah focuses on corporate recruitment and represents private and public sectors working together. EDCUtah has been working with Kelleigh at the Broadband Outreach to go out within the communities to make this process more efficient. If a business likes the site, they will reach out to EDCUtah or GOED and discuss state incentives. Last year EDCUtah created 15 projects and 15,000 positions. Now they are seeking bigger projects with smaller job footprints. The current process has been to work with Kelleigh and go out to a community to ask viable and specific questions on available sites for recruitment. Companies tend to need a quick turnaround and need high level data which the new site will provide. EDCUtah is also looking to go forward with a MegaSite program that may push forward larger scale projects.

## **Point of the Mountain Commission:**

Brian Christensen with Horrocks Engineers described the new studies and developments happening around the point of the mountain area between Sandy and Lehi. In 2016, the Utah State Legislature wrote a bill to authorize the commission to study undeveloped land in the point of the mountain area. The lead agency is Envision Utah, along with other professional technology consultants and experts. This was put together to maximize job creation, maximize residential living, expedite growth, and create better transportation to that area. The study was divided up into three phases: development criteria (which is currently finishing up), stakeholder outreach, and scenarios.

The development is not only where the current prison site will soon be vacated but a much larger area surrounding the site, about 20,000 acres, which holds a lot of undeveloped land. The team wants to use the input of cities and municipalities for what master plan should be used for that development, or even allow each city to dictate their own area of land. In January and February there was stakeholder outreach in municipalities, counties, within the state, and in businesses.

The top interests were the building of a tech campus, open space for recreation, and innovative transportation. There was also interest in golf courses and water parks. The biggest concern was traffic congestion. Open space, housing and office areas were also concerns from stakeholders, along with air quality.

The challenge with traffic in the area is there is one corridor to convey regional traffic, which is 1-15. They're also expecting another 56% to be on that highway by 2040. One of the recommendations given was to create more multi-transport facilities such as transit, bike paths, and walking trails. It was also recommended to create cross-ability between both sides of 1-15 for people and wildlife, as well as transit to Daybreak and other areas. The team also met with various utility companies to discuss the planned growth. The area plans to meet more than 80% of demands just through conservation and efficiency. UDOT will share conduit and will be important for others developing near the highway. There is a data center and a few broadband providers nearby. Additional wireless and fiber to connect to the businesses will be important. The best way for providers to stay engaged to partner with communities and stay on top of needs will to provide data for the different land use types created by Envision Utah.

## **Municipal Website Assessment:**

Flint Timmons is a part of the Rural Planning Group which is located in the workforce services under housing and community development. The Rural Planning Group was created about three years ago to help with rural activities and has moved over to technical and management assistance. Recently, the group has conducted a survey of rural websites looking at transparency and readability for local as well national and international businesses. Historically, maintaining timely and reliable data has been difficult for rural Utah. The group plans to reach out to rural areas whose sites need updates. In Utah 25 out of counties and 166 out of 243 cities are considered rural.

The models for these assessments come from states such as New Jersey, Texas and parts of California. These states had carried out transparency initiatives toward website accessibility for statewide municipalities. The websites were assessed using thirteen points

of criteria. Some of the criteria include the availability of city contact information, who city officials are, keeping public meeting information up to date, code and ordinance information, city plans for different areas, and city budgets. Each municipality was given a letter grade on how they met the criteria with the highest at A+ for all criteria met and an F if none were met or the city didn't have a website. The bulk of communities scored between an A- and C.

The next steps for the assessment are to expand the criteria and reevaluate. This includes helping municipalities create or update their websites. Many municipalities do not have enough resources to put this together. This may involve a partnership with DTS, GOED, regions and counties, and economic development officers.

#### **University of Utah Wireless Research Test Bed Proposal**

Kobus Van der Merwe is a professor at the University of Utah and is applying for a grant to build a wireless test bed through the University campus. He has focused on wireless research and the grant will allow for a platform for advanced wireless research. His focus is a part of a much bigger wireless research initiative and produces \$100 million in terms of funding. The program will fund four or five city scale wireless platforms. These platforms are considered a "living lab," and simulate environmental and urban conditions. The goal is not to provide services but provide a platform for researchers to do research.

Kobus and his team are at the beginning stages of the platform project and they will be rolling plans out in the next couple of years. Once available, the project will hopefully serve for more regular funding to continue research on these platforms. There is also an emphasis to partner with companies that contribute to establishing the platform or find new testing methods. The platform will be useful for research in both industry and academia. The technology will allow projects to use spectrum a lot more than what we are using today. The platform will use mobile handsets that will allow more movement. There is a possibility that bikes, such as the Green Bike initiative, will be able to use the technology from this platform.

#### **April 2017 Map of the Month:**

The map of the month for April focuses on how [locate.utah.gov](http://locate.utah.gov) is being used around the state. Bert Granberg from AGRC talked about using google analytics to find what locations have been viewed and how long they were observed on the site. Bert and AGRC developed a heat map to show where people have been looking most on a community level or lower. There was also a second map that pulled from neighborhood level that looked at more specific sites. The maps are located at <https://broadband.utah.gov/2017/04/27/april-2017-map-month-locate-utah-gov>.