Status Meeting Minutes

WyoLink Contact Number: 307-777-WLNK (9565)

Date: April 28, 2014   **Time: 10:00 A.M. To 10:37 A.M.**

Location: WYDOT, 5300 Bishop Blvd, Cheyenne, Planning Building, Geology Conference Room, first floor (south end)
Conference Phone: 877-278-8686   PIN: 085726

Attendees

Bill Walter, PSCC by phone
Bob Symons, PSCC
Brian Eggleston, DCI, PSCC by phone
Dave Riegert, Wireless Advanced Communications by phone
Eric Krum, Wireless Advanced Communications by phone
Heidi Vossler, Collins Communications by phone
Jenifer Shassetz, Sheridan PD by phone
Jose Crespo, Motorola by phone

Ken Shultz, WYDOT
Marty McCoy, WyoLink
Neil Clatworthy, Motorola by phone
Paul Newman, Motorola
Rick Clark, WYDOT-USFS Liaison by phone
Scott Chandler, Sheridan PD by phone
Steve Langworthy, Motorola by phone

1. **Tip of the Month**

    a. **Ensuring long battery life:**   April 28, 2014. Batteries used in portable radios can age over time and with use, and after a number of years may not perform up to their rated capacity. It might be a good idea to follow the manufacturer's recommendations on timing of battery replacement. This will ensure that your portable radio operates to it's fullest capacity when you need it.   Bob Symons will send the Tip of the Month out using the WyoLink ListServ.

2. **WyoLink Update**   April 28, 2014   WyoLink will be updating our software from version 7.11 to version 7.14 beginning Monday, August 4th.   As the schedule for this update is developed, both WyoLink and Motorola will be contacting agencies with Consoles to schedule any necessary work as part of this update. A preliminary internal schedule of update tasks has been completed, and training for the WyoLink Support Office has been scheduled. Some of the equipment for this update has already been ordered, including parts for dispatch consoles at some agencies.   WyoLink and Motorola will be contacting the affected dispatch centers in the in late June or early July to schedule the work to be done to their consoles. This update will not require any changes to mobile or portable radio programming. If you have any questions about this update, please don't hesitate to contact Marty McCoy, WyoLink Support Manager.

3. **Core Site Status**

   a. **Black Mountain (BTNF):** April 28, 2014: **No Change**. Marty is working with Chuck on arriving at an agreement for site sharing at Black Mountain, with good progress being made. There is adequate funding to construct Black Mountain in the FY 2014 budget at this time.

   b. **Hoback Area (BTNF):** April 28, 2014: **No Change**. This section has been renamed to Hoback Area to more accurately reflect the location of the sites that will be used to provide coverage in this area. Due to the extreme cost of constructing at site at Pow Wow (~$5.5M) and the extreme cost of maintaining a site in a roadless area (by helicopter), the PSCC has directed Marty to look at alternative sites. One of these is Black Mountain and the other may be Monument Ridge. Marty sent a brief description of what we would like to have at Monument Ridge to Rob Hoelscher, the District Ranger for Big Piney, Michael Schrotz and Rick Clark. Marty will ensure that the submission to the Forest Service addresses the items necessary for them to properly review this application, including other sites that were evaluated in the process of arriving at Monument Ridge. Marty will ask the Forest Service to issue appropriate notices to entities who may want to share our sites when the time is appropriate so these sites can be permitted with these possible users in mind. Marty anticipates it is unlikely construction will be approved at Monument Ridge before August of 2015. WYDOT is preparing a site haring evaluation for the Legislature.

   c. **Salt Pass (BTNF):** April 28, 2014: **This site is operational**. **No Change.** The reclamation of the old site is expected to be complete in 2014. Marty and Michael Schrotz have discussed the reclamation of the old Salt Pass sites, and Michael will let Marty know what the BTNF would like to see.

   d. **Signal Mountain (GTNP):** May 2, 2014: Marty is working with Chuck and Union Wireless on finalizing the site sharing agreement and lease. Marty has received the right of way document from the National Park Service for Signal Mountain. It is currently at the Attorney General for approval. When approved, this would grant WyoLink a right of way to this location. There is adequate funding to construct Signal Mountain in the FY2014 budget at this time.

4. **Portable Coverage Enhancement Site Status**

   a. **Pinedale:** April 28, 2014: Sheriff Lankford has received approval for the site modifications at White Pine from the Forest Service. Arrangements for construction the spring of 2014 have begun, and Marty will be working closely with Sheriff Lankford regarding timing and scheduling for this site.

5. **Local Site Status:** April 28, 2014: **No Change**. Natrona County is constructing an 800 MHz site at Alcova Reservoir. The equipment has been delivered. The application to connect this site to WyoLink was approved by the PSCC during their meeting March 20th. Bill Walter, chairman of the PSCC Spectrum Committee has sent letters of concurrence to surrounding states as part of the process to license frequencies for this site.

6.   **Low Speed Data:** April 28, 2014:   **No Change**.   WyoLink continues to work with WHP and other agencies interested in utilizing Low Speed P25 Data to address their concerns and ensure that their operations do not adversely affect WyoLink.   Marty, Mark Coler, Mark Kelly and Paul Newman worked with A. J. Myers to resolve configuration issues preventing Data over WyoLink from working in WHP vehicles. There are still issues with the configuration of Net Motion, and A.J. is working with Net Motion to resolve these. WyoLink is ready and willing to participate in further tests and troubleshooting as necessary as A. J. works with Net Motion.   WYDOT Maintenance is looking at an application that will aid in quick reporting of road conditions, and WyoLink will be keeping a close eye on the data requirement for this. Rob Wilson and Mark Kelly attended a development meeting for this application and cautioned the developer not to expect wide band data throughput on WyoLink. The pilot phase will likely be during the winter of 2014.   WyoLink and Motorola are working closely with WYDOT Telecommunications on an issue with a delay resuming scanning after data transmission has ended. A solution has been identified and is being implemented now.

7.   **Console Connectivity**: April 28, 2014:   Marty and Mike Kurz (WYDOT Telephone section) have decided that the leased T1 circuits to the consoles in Lander and Riverton would be the next candidates for replacement with lower cost ME links. Mike Kurz has begun work on this.   The Kemmerer console is now operational.   Jay Hokanson is working on Lincoln County's talkgroup plan with Bob Symons.   Lincoln County will now read every radio in preparation for programming. Codeplugs will come in phases to stagger codeplug requests: Law, fire, then EMS.   Fremont County is exploring options to replace the leased circuits to their consoles with another, lower cost alternative. Casper's MCC7500 console is up and running and this project has been closed.

8.   **Adjacent State Connectivity:** April 28, 2014:   **No change**.   Bob reports that Idaho, Montana, Nebraska, South Dakota and Utah are all in varying stages of system update and compatibility, and that he continues to have meetings and dialog with these states as they move forward and contemplate connectivity with WY among other states.   Bryan Morehouse and Goshen County are considering an ISSI connection between Goshen County and Nebraska. Bob Symons is involved with both sides as they discuss this, and will continue to do so. Nebraska is at version 7.11 and is moving to version 7.13. CSSI compliance and conformance testing is in the works at TIA, according to Bob.   Bob has also been meeting with South Dakota, who may be considering adding WyoLink talkgroups to their radios. SD is currently at version 3.X, and is migrating their radio sites to 7.x, which would allow their radios to operate on WyoLink. Colorado is currently updating their system to 7.14. This conversion is scheduled to be complete during the spring of 2014.   Once this is complete, they will have ISSI V2 available. Colorado and Nebraska are talking about connecting using ISSI sometime after Colorado's upgrade is complete.   Bob reports that Utah is in the process of updating their site controllers and back room equipment from 4.x to 7.x. South Dakota is doing the same thing. No repeaters have been converted in either state. Nebraska is still working through their update.   Colorado may have some of their users splitting from CCNC.   Idaho is moving their development towards the border, and is happy to hear we may be sharing a site at Black Mountain, as this would help Idaho-Wyoming communications. Montana is still looking for more funding to complete their 7.13 system, and their Legislature has reportedly agreed to assist with this.   Colorado will be at version 7.14 this spring. Adams and Weld Counties have broken away from Colorado's statewide system, and they will have ISSI in their new master site.   Colorado will use ISSI to connect their radio system to FRCC (Weld and Adams Counties) and Denver's Harris system. The
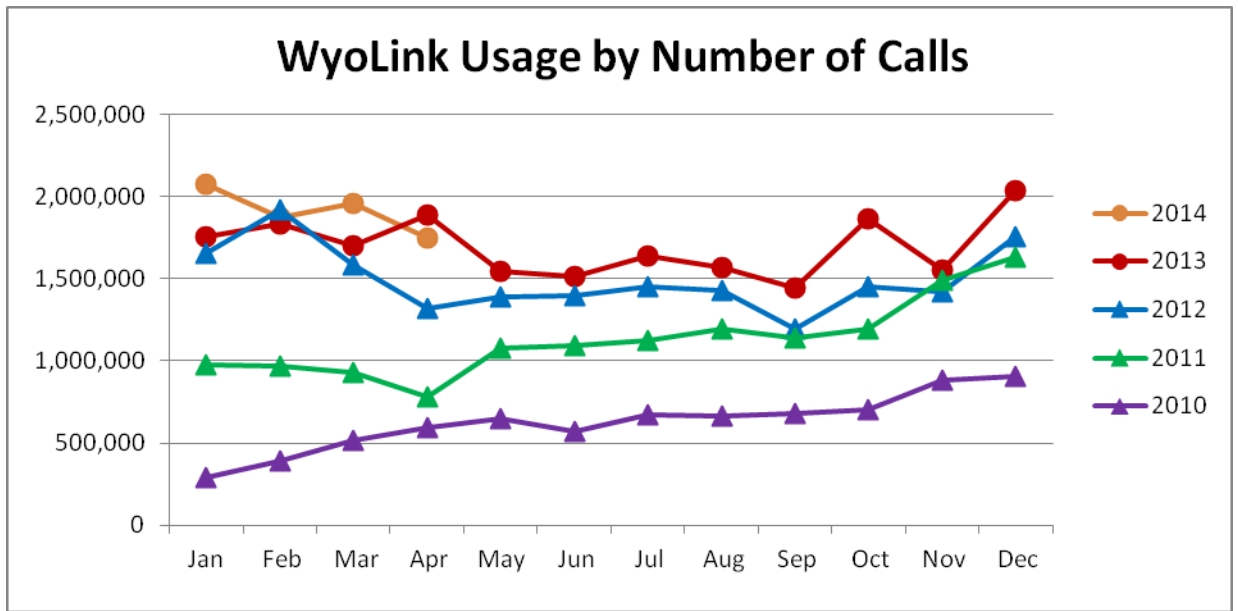
interconnection between WyoLink and Colorado DTR at 85 South has been verified to work. WYDOT Telecommunications is working with WyoLink and Utah to provide interconnectivity with Utah's system at First Divide.

9. **Risk Management:** These are WyoLink issues posing significant risk to the system and a description of the risk.

 a. **Hoback Area Communications:** **High Risk**. April 28, 2014. Given the extreme high cost for constructing and maintaining a site at Pow Wow, The PSCC recommended that Marty move forward with a more detailed proposal for using Black Mountain, ID, Monument Ridge, WY and one other site to provide approximately the same coverage. Funding to construct a site at Black Mountain is in the FY2014 budget at this time. Funding to construct a second site (Monument Ridge) providing coverage in the Hoback area is lacking at this time.

 b. **Local Activity Affecting WyoLink Performance: Medium Risk.** April 28, 2014. Bob and Marty will have discussions with local agencies to see what can be done to reduce the impact to WyoLink from their local operations. The WyoLink Office tracks usage on the system (including busies) to keep aware of possible issues on WyoLink both now and in the future, and is observing heavy loading on two sites in south east Wyoming – 85 South and Cheyenne Water Tank. WYDOT has secured funding for the addition of two channels to both 85 South and Cheyenne Water Tank. The expansion of Cheyenne Water Tank from 5 to 7 channels has been completed on April 14, 2014. Since this upgrade was completed, Cheyenne Water Tank was only responsible for 2 busies From April 15th through April 21st. Larry Sheridan with WYDOT Telecommunications will submit an application and engage AASHTO to perform the re-coordination on the two additional pairs for 85 South. Larry anticipates that unless there are unforeseen complications, these channels should be available for use in the next 30 days.

10. **Coverage:** April 28, 2014: Testing results are being uploaded to WYDOT's GIS program and the coverage map is showing these results as they are uploaded. Please be aware this map has a limited amount of testing results displayed at this time, although additional results are being uploaded. To date, about 65% of the coverage testing results have been uploaded to WYDOT's GIS program. This map displays coverage testing results from a mobile radio standpoint. WyoLink performed BER based coverage testing in Campbell County the week of April 21st.

11. **Busies on WyoLink:** May 2, 2014: There are still a high number of busy indications on 85 South and Cheyenne Water Tank. WYDOT has secured funding for the addition of two channels to both 85 South and Cheyenne Water Tank. Since Cheyenne Water Tank was upgraded to 7 channels on April 14th, there have only been two busies that Cheyenne Water Tank was responsible for from April 15th through May 2nd. Larry Sheridan with WYDOT Telecommunications has submitted an application and engaged AASHTO to perform the re-coordination on the two additional pairs for 85 South. Larry anticipates that unless there are unforeseen complications, these channels should be available for use in the next 30 days. The Operations Workgroup will tackle the issue of setting an acceptable busy rate standard for WyoLink. Marty prepared a report on use of CAT and MAT groups for the first quarter of 2014. Bar Graphs from these reports are at the end of these minutes.

12.   **Dragging Traffic:**   April 28, 2014: **No Change.**   The WyoLink Support Office is not aggressively tracking instances of dragging traffic unless it results in busy indications, but does research occurrences when time permits and they are noticed.   WyoLink users are encouraged to move off their normal dispatch talkgroup when traveling outside their home area to avoid dragging their dispatch traffic to a remote portion of the state unnecessarily. This can cause unnecessary loading on towers removed from their local area and create busy indications both in these remote areas and in their home area. There have been no notable instances of dragging traffic in the last month.

13.   **Codeplug Schedule:**   May 2, 2014:   The WyoLink Office has completed 1047 codeplugs to date in 2014, with an average wait time of 8 days.   Currently there are 192 codeplugs with normal priority on our schedule to be completed.   The predicted wait for codeplugs that are newly submitted is about 2 weeks. We are working diligently to process codeplugs and return them to each agency so they may insert them and begin to use their radios. If any agency has questions about their codeplugs, please call the WyoLink Support Office and we will be happy to help.

14.   **WyoLink Usage:**   May 1, 2014:   Currently there are about 17,330 radios and consoles able to use WyoLink. There are 267 agencies approved to use WyoLink with 112 State and Federal agencies and agencies in 19 Counties having moved their operations to WyoLink. WyoLink usage through April 30th in 2014 is 7,652,142 calls, with a busy rate (by time) of 0.014%. In 2014 WyoLink has been available over 99.9% of the time.   At the end of this WyoLink Status Meeting document is a chart and data showing the top 20 talkgroups on WyoLink by air time.
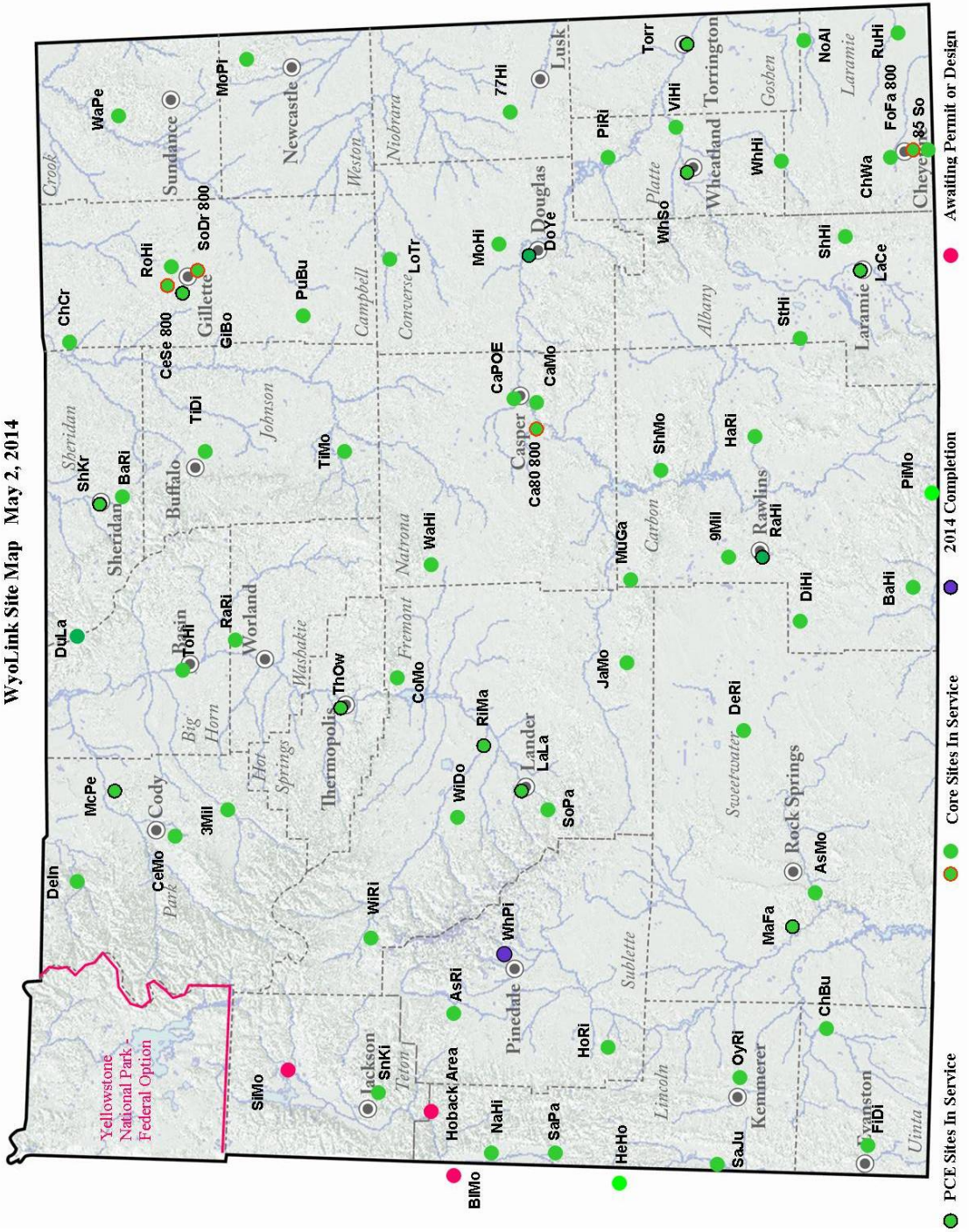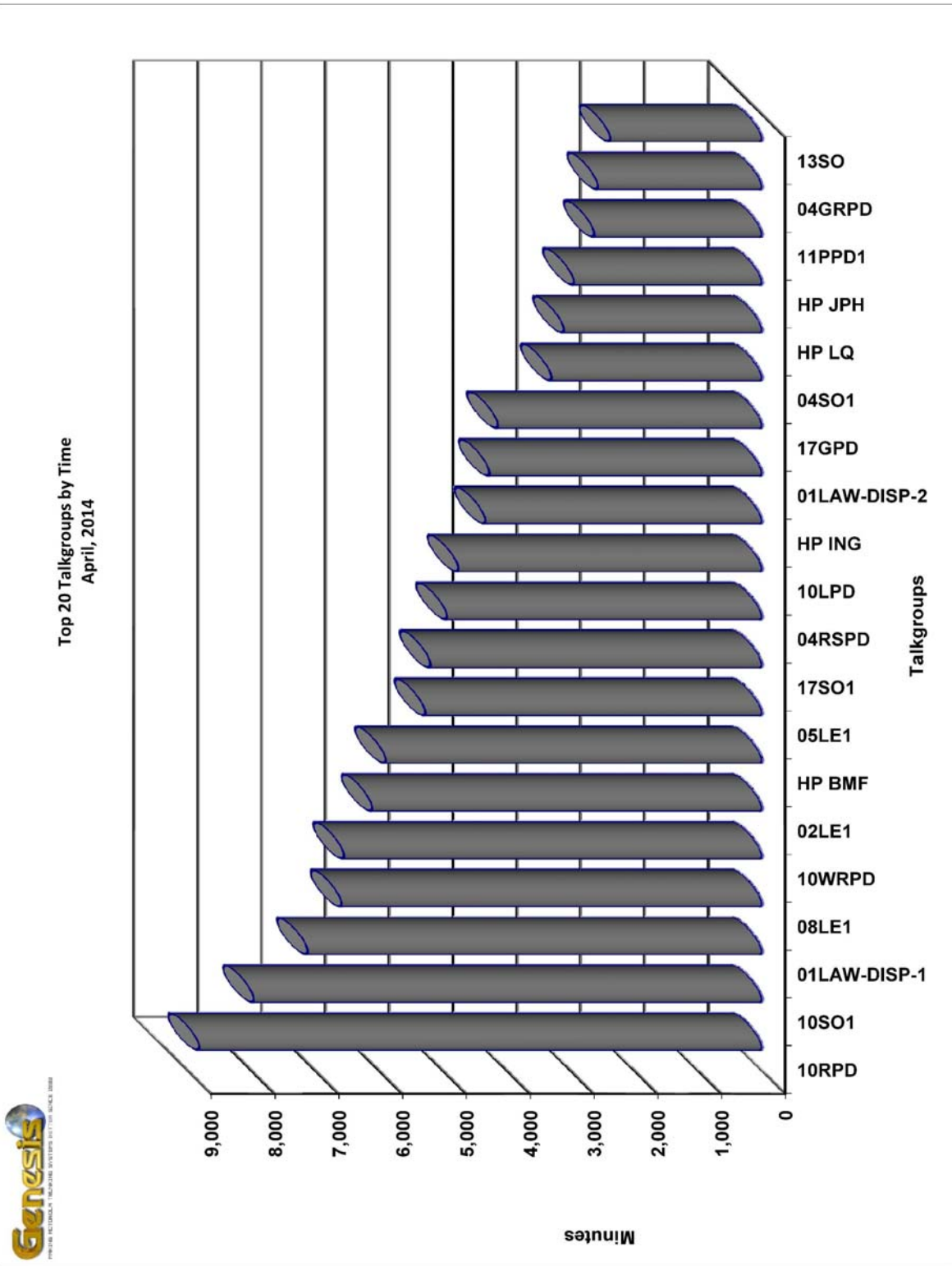

15.   **PSCC Meeting:**   April 28, 2014:   The PSCC met on March 20th in Casper. The next PSCC meeting will be in June, at a time and place to be announced. As more information is available, it will be posted here.   If you know of anyone who would like to receive notices for PSCC meetings, please contact Bob Symons (307-777-5065 or bob.symons@wyo.gov) or Marty

McCoy (307-777-4756 or martin.mccoy@wyo.gov) and we will add you to the distribution list for these notices.

16. **WyoLink User Training:**   April 28, 2014:   The new training program is an agency specific program and is more user-oriented, concentrating on what is in the user's radio. It is a "Train the Trainer" program. There are two customized handouts. One is the user's talkgroup plan and the second is a picture of the user's radio with descriptions regarding the function of the buttons and knobs on the radio.   Bob Symons conducted classes for local agencies across Wyoming, and is considering additional training on the use of CAT and MAT talkgroups. If anyone would like to have additional training, please contact Bob Symons.

17. **Additional Topics**:   May 2, 2014:   Bob received a copy of an article from the April 16, 2014 edition of the Lander Journal regarding a crash on Togwotee pass and the role played by WyoLink.   The WyoLink Operations Workgroup and the Administration and Funding Workgroup will be meeting soon to discuss the WyoLink 10 year plan, the end of life on the Gold Elite consoles and how to address this.

18. **Next Meeting:**   Wednesday, May 28, 2014 at 10:00 at WYDOT, 5300 Bishop Blvd, Cheyenne, Planning Building, Geology Conference Room, first floor (south end).

WyoLink Site Map May 2, 2014

Legend:
- Awaiting Permit or Design (pink dot)
- 2014 Completion (purple dot)
- Core Sites In Service (green dot)
- PCE Sites In Service (green dot with circle)

Top 20 Talkgroups by Time
April, 2014

If shown, Hourly Time is displayed in Seconds

Total Airtime Top 20 Talkgroups

System	Zone	Ste
ALL	ALL	ALL

Start Date: 04/01/2014 12:00:00 AM
End Date: 05/01/2014 12:00:00 AM

TalkgroupID	Talkgroup Alias	Minutes
13700	10RPD	8,810.5
13720	10SO1	7,954.0
13168	01LAW-DISP-1	7,108.1
1202	08LE1	6,579.6
13757	10WRPD	6,539.1
214	02LE1	6,096.1
19875	HP BMF	5,884.6
610	05LE1	5,265.1
14907	17SO1	5,184.1
405	04RSPD	4,925.2
13708	10LPD	4,748.2
19871	HP ING	4,326.0
13169	01LAW-DISP-2	4,261.3
14904	17GPD	4,129.1
400	04SO1	3,290.6
19883	HP LQ	3,097.6
6378	HP JPH	2,939.7
13909	11PPD1	2,616.5
406	04GRPD	2,560.0
14104	13SO	2,368.2
		98,683

Data Provided by Genesis