

## **WyoLink Support Manager Report to the PSCC December 8, 2009**

WyoLink currently has 41 of the 54 identified core sites functional, with most of these operating at full capacity. Five more WyoLink sites are constructed, and should become operational shortly after FCC licenses arrive before the end of November. These licenses are for frequencies that we have been granted access to by the Federal Government. Two additional WyoLink sites are under construction, and are expected to be completed by the end of 2009. This will bring the count of operational WyoLink sites to 49, over 90% of the WyoLink Core sites that have been identified so far. The locations for four additional WyoLink sites have not been identified, and will be placed where needed to fill gaps in coverage that may be identified. This will enable WyoLink to meet the original plan of providing 95% mobile coverage across the state.

We are waiting for US Forest Service approval of Special Use Permits for five more sites. These sites are Hell Hole Ridge, Salt Pass, Angles Trailhead, Duncan Lake and Pow Wow. We expect to have three of them operational by the end of 2010. However, the Pow Wow Point site may not be operational until 2011, as the Forest Service does not anticipate the Permit to be approved in time to complete construction in 2010.

The latest site to be completed is Windy Ridge (Dubois). This site is in operation, but is currently experiencing some interference that severely reduces its range and effectiveness. It appears this interference may be coming from the NOAA Weather Radio transmitter near our site on Windy Ridge. WyoLink and WYDOT Telecommunications are working with the Riverton office of the National Weather Service to pinpoint and resolve this interference issue. Once this has been accomplished and the Windy Ridge site is operating at full sensitivity, I will make the announcement that Windy Ridge is fully operational.

Three additional Local Coverage Enhancement Site prospects are in Lusk, Torrington and Wheatland. With WyoLink team help, local stakeholders have tentatively identified appropriate locations. I have analyzed coverage predictions, and am recommending PSCC approval for these sites. Following these three, the next four projected Local Coverage Enhancement Sites to be considered are in Douglas, Glenrock, Sheridan and Worland. I am currently evaluating prospects for these cities, and am working with Motorola to obtain the necessary coverage prediction maps and evaluation notes necessary for these analyses.

About 52 agencies Federal, State and Local Agencies are now registered to use WyoLink, with approximately 3,400 radios on the system. WYDOT, Wyoming Highway Patrol, Laramie County School District, Cheyenne Fire and Wyoming Homeland Security are currently using WyoLink for their daily operations.

When all this is complete, they can then cut over to WyoLink. All other agencies across the State (with the exception of the northern portion of the State, where we are still waiting for Permits from the Forest Service) can move their operations to WyoLink after completing these steps.

So far, WYDOT and WHP in WYDOT Districts 1 and 2 have completed this and are on WyoLink. WYDOT and WHP in WYDOT Districts 4 and 5 will be able to complete their drive testing in December (after our FCC licenses arrive), and assuming they are satisfied with the coverage, complete their user training in January and move to WyoLink immediately after. WYDOT District 3 is using WyoLink along the I-80 corridor, and

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they are waiting on verification of coverage along the west edge of the state to move the rest of their operations to WyoLink.

So far in 2009 (January through November), the WyoLink system handled 1,832,344 radio calls for a total time on the air of 5,464 hours (227 days). During this time, only 0.031% of all radio calls received a delay due to the system being busy, with the average delay being 3.2 seconds. The chart attached to this report shows WyoLink usage visually. Since September, WyoLink usage has increased dramatically, mostly due to WYDOT Maintenance and WHP moving their operations to WyoLink and the onset of winter weather.

For the last three months (September through November), the WyoLink system handled 616,005 radio calls for a total time on the air of 1,904 hours (79 days). During this time, only 0.056% of all radio calls received a delay due to the system being busy, with the average delay being 3.9 seconds. I expect the number of calls receiving a busy indication and the duration of the wait time to fall this month as FCC licenses arrive, allowing more sites to come on the air as well as those currently on the air to reach full capacity.

WyoLink has been able to retain Kent Drummond as a Special Classified Employee to help us when we are presented with large numbers of codeplugs to generate or perform other vitally important WyoLink surge work. We have Mr. Drummond available to WyoLink through May, 2010.

**Year To Date WyoLink Usage By Month**

