

Report from WYOLINK Operations Group.  
Laramie, Wyoming  
June 10, 2008

WYOLINK Operations held two meetings this quarter. One meeting was held on March 13<sup>th</sup> and the other meeting on May 28<sup>th</sup>.

The March 13<sup>th</sup> meeting dealt with the Cheyenne Board of Public Utilities and Union Telephone to discuss the Cheyenne Water Tank Site. WYOLINK will sublease the site from Union Telephone. A new building 10 x 30 will be installed within Union's enclosure.

Everyone attending the meeting worked together to solve the various conflicts and came up with a very workable plan. Any costs that Union would be charged by the Board of Public Utilities would be passed on to WYOLINK but the Board of Public Utilities was satisfied as long as Cheyenne and Laramie County, as well as the Board of Public Utilities would be included in the operation of WYOLINK.

At the May 28<sup>th</sup> meeting we heard a report on the Cheyenne Water Tank Site, we still don't have a signed lease at this time. The process of getting it signed is in the hands of the Attorneys. We still do not have Federal Frequencies at this time. We are hoping to have the site completed by the end of the year.

We need to work on getting these local sites on the fast track, as none of us will still be alive when they are approved at this rate. There are 22 more possible sites to be considered.

We discussed portable radio coverage testing solutions that Motorola had requested of our group. Marty McCoy offered to develop the testing methodology for portable radio testing. This should be done by the end of June 2008.

It was decided that Albany County and then Platte County would be the first counties for testing and experimental use of the WYOLINK System.

We went over the training program that would be financed through the Public Safety Interoperable Communications grant under the Office of Home Land Security. We are looking at a training program offered through the Law Enforcement Academy and the Fire Marshal's office. There would be 3 levels of training considered: Master instructors, Local instructors and End user training.

We have two radio transmitter sites that we authorized changing. The Geneva Summit will be changed to Hell Hole Ridge- this is in the State of Idaho and the Microwave path has been verified. The second change will be from Angle Mountain to the Togwottee Trail Head Site - this will provide coverage to some of Teton County.

Jerry Kennedy--- Operations Chairman

**2008 SALECS STATISTICS**

NOTE: Traffic = Radio Traffic  
Events = Incidents/Reports Handled

Month	GF	BR	BLM	LS	Parks	SDCI	Outfit	Forest	Other	
<b>January</b>	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Totals
	5039	660	232	222	731	0	4	58	2	6948
<b>January</b>	Events	Events	Events	Events	Events	Events	Events	Events	Events	Totals
	411	163	26	23	45	0	0	5	0	673
Month	GF	BR	BLM	LS	Parks	SDCI	Outfit	Forest	Other	
<b>February</b>	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Totals
	4611	468	207	129	690	0	0	87	0	6192
<b>February</b>	Events	Events	Events	Events	Events	Events	Events	Events	Events	Totals
	408	155	14	9	41	0	0	7	0	634
Month	GF	BR	BLM	LS	Parks	SDCI	Outfit	Forest	Other	
<b>March</b>	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Totals
	3841	616	389	250	731	0	0	38	1	5866
<b>March</b>	Events	Events	Events	Events	Events	Events	Events	Events	Events	Totals
	397	186	35	26	49	0	0	4	0	697
Month	GF	BR	BLM	LS	Parks	SDCI	Outfit	Forest	Other	
<b>April</b>	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Totals
	5103	826	332	198	1253	0	0	25	0	7737
<b>April</b>	Events	Events	Events	Events	Events	Events	Events	Events	Events	Totals
	432	290	29	22	101	0	0	2	0	876
Month	GF	BR	BLM	LS	Parks	SDCI	Outfit	Forest	Other	
<b>May</b>	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Totals
										0
<b>May</b>	Events	Events	Events	Events	Events	Events	Events	Events	Events	Totals
										0
Month	GF	BR	BLM	LS	Parks	SDCI	Outfit	Forest	Other	
<b>June</b>	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Traffic	Totals
										0
<b>June</b>	Events	Events	Events	Events	Events	Events	Events	Events	Events	Totals
										0

2008 ANNUAL STATS (cumulative)

	TRAFFIC	EVENTS
GF	18594	1648
BR	2570	794
BLM	1160	104
LS	799	80
PARKS	3405	236
SDCI	0	0
OUTFIT	4	0
FOREST	208	18
OTHER	3	0
<b>Totals</b>	<b>26743</b>	<b>2880</b>

**GF** = Game & Fish  
**BR** = Brand Inspectors  
**BLM** = Bureau of  
Land Management  
**LS** = Livestock Agents  
**Parks** = State Park Rangers  
**SDCI** = State Division  
Criminal Investigation  
**Outfit** = Wy Outfitters  
**Forest** = US Forest Service  
**Other** = Other Agencies

**WyoLink Support Manager's Report to the PSCC**

**Tuesday, June 10, 2008**

WyoLink is poised for a busy and productive summer construction season. Work has already begun, and will proceed as fast as humanly possible on Phase 3 and 4 sites. Motorola has two tower crews in the state, and this will enable the necessary work to be completed more quickly.

We were dealt a setback on Friday by the discovery of damage to microwave dishes and mounting hardware at the Copper Mountain site (near Shoshoni) caused by microwave dishes being improperly secured to the tower. Fortunately there was no damage to dishes or antennas currently in use. WyoLink is working with the WYDOT Microwave Shop, Telecommunications Technicians in Basin, Motorola and their subcontractors to assess and repair the damage, order replacement dishes and antennas and have them mounted as soon as possible. Until the assessment is completed, I won't know how much of a delay this will cause.

All the necessary paperwork, documentation and forms have been submitted to the FCC for our license applications. Our license approvals are now in the hands of the FCC, and Motorola will keep me informed as to their status. As soon as we have FCC licenses, I will inform the PSCC and we will begin turning up WyoLink towers according to a plan that has been developed.

I have several promising applicants for the vacant WyoLink Network Specialist, and interviews will begin tomorrow. I hope to have a decision made and a new technician on board by the end of June.

I have begun work on Hell Hole Ridge, a site that we will be sharing with the State of Idaho near Montpelier, Idaho. The microwave path between Hell Hole and Sage Junction was verified in late May, paving the way for this site.

Angle Mountain was ruled out by the BTNF, as there are many restrictions on this site that would either prevent or greatly delay (until at least 2010) this site. A replacement site has been identified at the Togwotee Trail Head, and Tom Mahon and I will meet with the Forest Service on June 30 to walk this site and discuss the procedure for obtaining a permit for its use.

The BBNF has indicated that there could be problems obtaining our proposed site at Bear Rocks. Tom Mahon and I will meet with them on July 1 in Sheridan to discuss these problems, possible solutions to them or other possible sites that would be more likely to be approved and that will meet WyoLink requirements. We plan on leaving Sheridan with a workable plan for a site that will fulfill both BBNF and WyoLink requirements.

As issues arise with our applications at other sites in the Forest Service, I continue to work with Barb Chancellor of WYDOT's Right of Way program to address them so the permitting process may proceed with minimum delay.

**WyoLink Support Manager's Report to the PSCC**

**Tuesday, June 10, 2008**

Wyoming Highway Patrol and WYDOT Maintenance are working towards switching their operations to WyoLink in District 1 and possibly District 3 by October, 2008. Towards that end, Troy and I met with WYDOT Maintenance on Thursday to assist them developing modifications to their fleetmap that will allow their operations greater flexibility on WyoLink and that will allow them to communicate with the Wyoming Highway Patrol. I am excited to see Maintenance and WHP moving toward utilizing WyoLink!

Motorola, Cheyenne Fire and WyoLink are working on the Cheyenne Fire 800 MHz site on Fox Farm Road. The site is currently operational as a WyoLink site, with two channels (out of five) operating on WyoLink. We are working on the final few issues with the Cheyenne Fire codeplugs, and we will have them ready in time for the cut over of the LCCCC dispatch center to WyoLink. As issues and problems arise with both the 800 MHz site and the LCCCC dispatch center, the WyoLink Support Office works with Motorola to resolve them.

Work is progressing on dispatch centers in Teton County, Platte County, the City of Powell, Gillette PD and Campbell County. The WyoLink Support Office is working with Motorola to bring these dispatch centers on line, resolving issues and problems as they arise.

I am preparing the methodology for testing portable radio coverage that will be used to determine if and where coverage enhancements will be needed. I will work with members of the Operations Work Group to refine this procedure and develop a procedure that will work for all cases and will yield valid results that can be used to make coverage enhancement decisions.

WyoLink has a busy summer ahead, and we plan to make the best of it!

# Spectrum Workgroup Report

## June 10, 2008

### National Regional Planning Council Meeting

I attended the National Regional Planning Council (NRPC) Meeting, April 22 – 23, 2008, in Arlington, VA, at the Crystal City Sheraton. On Tuesday, no official business was conducted. Tuesday was a day of presentations of issues and information for the Council.

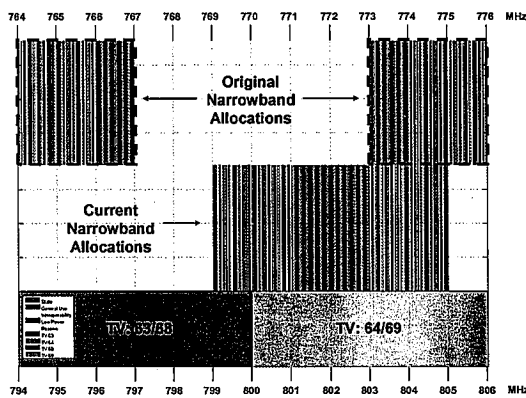
One of the presentations was about the frequency repack of the 700 MHz spectrum which was required because of the FCC Second Report & Order (10 Aug 2007). This change caused potential interference between the frequencies that are now bordering each other as seen below.



## Frequency Band Changes



- FCC Second Report & Order (10 Aug 2007)
  - ♦ Reconfigured 700 MHz band, moving previously separated narrowband allocations together and out of TV 63/68



4/22/08

NRPC General Meeting: CAPRAD Repacking Report - Daly

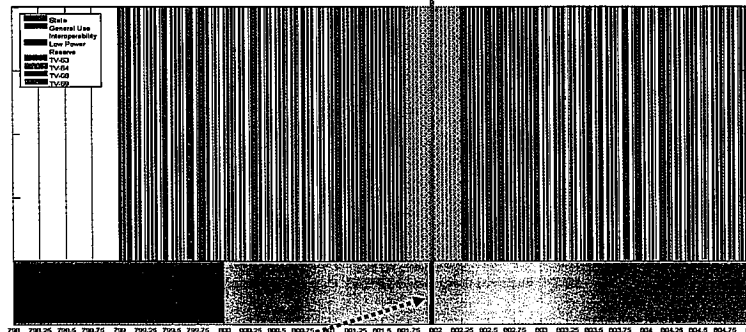
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## Impact on Pool Allotments



*Assignments made within this 500-kHz wide zone could now be closer than allowed.*



*All frequencies on either side of this line were separated by at least 3 MHz before. That separation can now be as low as 6.25 kHz.*

4/22/08

NRPC General Meeting: CAPRAD Repacking Report - Daly

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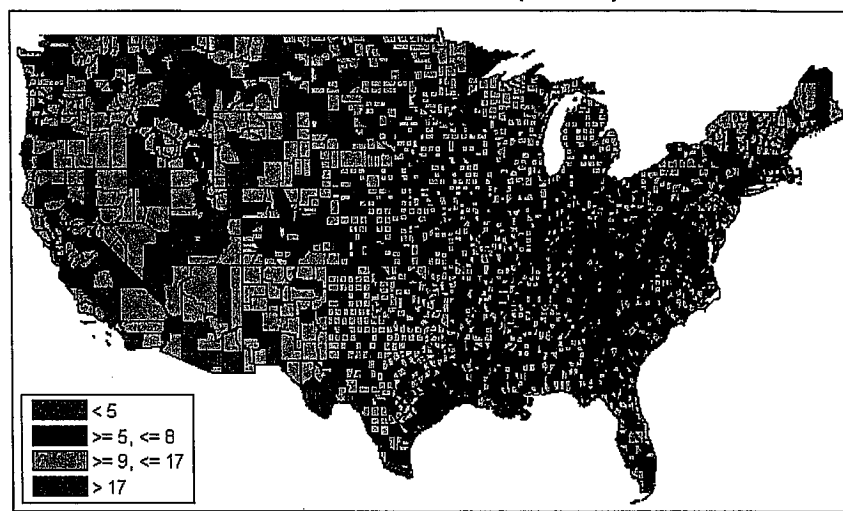
The following figures below show that Wyoming gained some frequency allotments due to the repack and the criteria used which was 12.5 KHz Frequency Spacing.



## General Use Spectrum



### Re-Packed Pool Sizes (ConUS)



4/22/08

NRPC General Meeting: CAPRAD Repacking Report - Daly

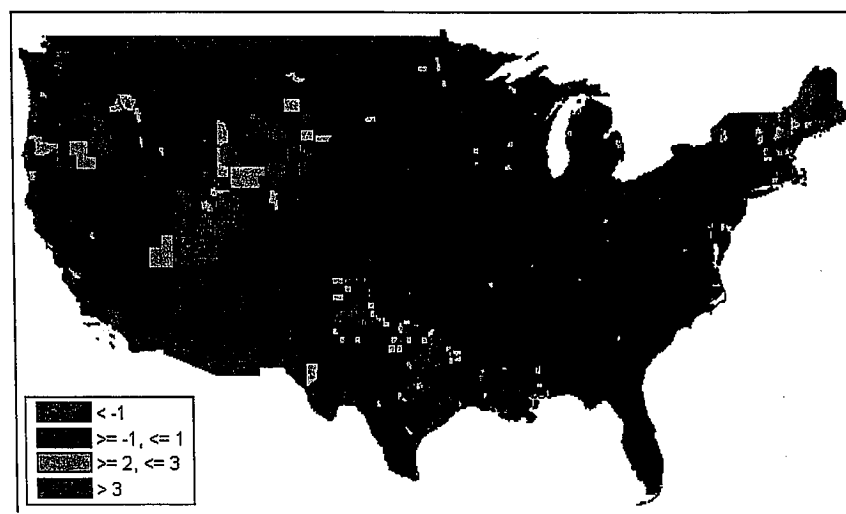
43



## Pool Size Comparison



### Assignment Count Comparison to Original Pack (ConUS)



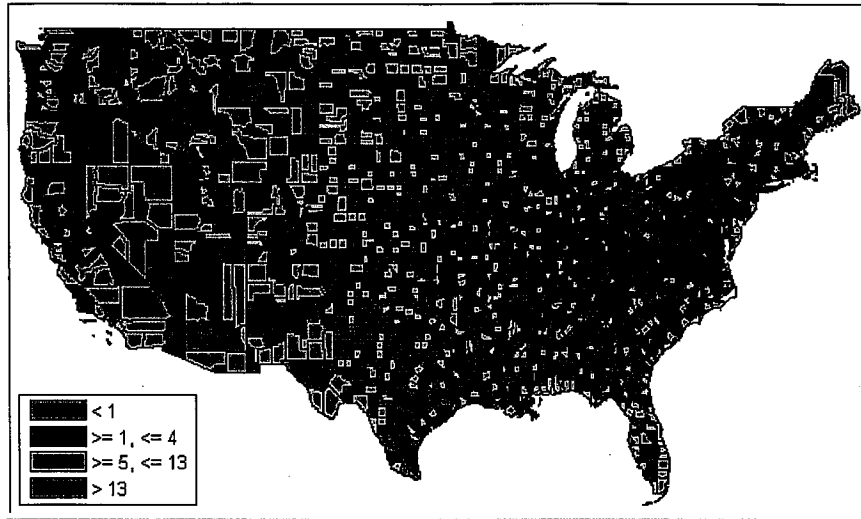
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NRPC General Meeting: CAPRAD Repacking Report - Daly

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## Pool Sizes (ConUS)



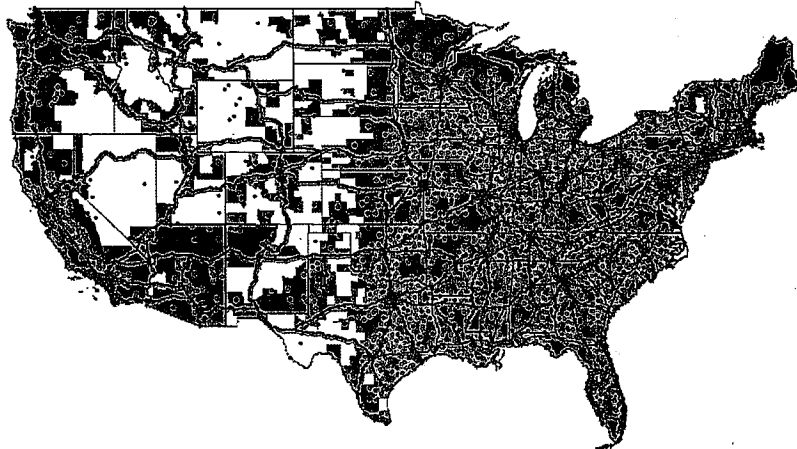
4/22/08

NRPC General Meeting: CAPRAD Repackaging Report - Daly

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On Wednesday, April 23, 2008, the group met to conduct business after a presentation by Harlan McEwen on the subject of the Public Safety Spectrum Trust. The figure below was the estimated coverage of the Public Safety Wireless Broadband System once it is completed.

## Terrestrial Coverage\* of Public Safety Network in 2019



- 99.3% Population
- 73.5% CONUS Land Mass
- 63% US Land Mass
- All counties w/ population > 5 per sq. mile
- Satellite coverage in "white spaces"

\* Map coverage is approximate – maps not to scale

The NRPC Business Meeting was convened and the first order of business was to adopt the Mission Statement. The following Mission Statement was adopted by the NRPC.

### **National Regional Planning Council Mission Statement**

“The National Regional Planning Council (NRPC) is a national community consisting of the Federal Communications Commission (FCC) authorized Regional Planning Committees (RPCs), whose affiliation is linked to states and US Territories. Its mission is to serve all Public Safety Communications Users through planning and management for their spectrum needs.”

- NRPC assists Regional Planning Committees to improve spectrum efficiency and promote interoperability.
- NRPC provides education, training, and facilitation for RPCs to develop and operate their plans effectively.
- NRPC supports forums for RPCs to share information, collaborate, and allocate resources to support RPC business.
- NRPC researches and provides information critical to RPC collaboration and success.
- NRPC receives input from and acts in the interest of RPC's individually and nationally.
- NRPC establishes affiliations with elected and appointed officials to promote RPC representation on issues that benefit public safety interests.
- NRPC educates elected and appointed officials and requests resources needed to support RPC interests.

Second order of business was to adopt the NRPC By-Laws. The By-laws were adopted and the NRPC Business Meeting was adjourned. The next NRPC meeting will be in Kansas City, Missouri in conjunction with the APCO meeting August 4-5, 2008.

### **700 MHz D Block Spectrum Re-Auction**

On May 14, 2008, the Commission adopted and released a *Second Further Notice of Proposed Rulemaking* (FNPRM) seeking public comment on how the Commission should proceed with the re-auction and licensing of the 700 MHz D Block spectrum while maximizing the public safety and commercial benefits of a nationwide, interoperable broadband network. The *Second Further Notice* was published in the Federal Register on May 21, 2008.

Pursuant to Sections 1.415 and 1.419 of the Commission's rules, interested parties may file comments on the *Second Further Notice* on or before June 20, 2008. Parties interested in submitting reply comments must do so on or before July 7, 2008. Subject to meeting the Ex Parte reporting requirements of the Commission, public safety organizations can meet with Commission staff and express viewpoints in direct meetings.

Mark Joiner  
Spectrum Workgroup Chairman



Dispatch Center Second Round		\$1.1 million total						
1/2 Population & 1/2 Flat Amount - 21 Counties								
							2nd ROUND	
	POPULATION	% of population	POPULATION	FLAT	TOTAL	APPLICATIONS	PER DISPATCH	
COUNTY	(2000 Census)	(2000 Census)	ALLOCATION	AMOUNT	ALLOCATION	PER COUNTY	CENTER	
ALBANY	32,014	7.9027%	\$ 43,465	\$ 26,190	\$ 69,656	1	\$ 69,656	
BIG HORN	11,461	2.8292%	\$ 15,560	\$ 26,190	\$ 41,751	1	\$ 41,751	
CAMPBELL	33,698	8.3184%	\$ 45,751	\$ 26,190	\$ 71,942	2	\$ 35,971	
CARBON	15,639	3.8605%	\$ 21,233	\$ 26,190	\$ 47,423	1	\$ 47,423	
CONVERSE	12,052	2.9751%	\$ 16,363	\$ 26,190	\$ 42,553	3	\$ 14,184	
CROOK	5,887	1.4532%	\$ 7,993	\$ 26,190	\$ 34,183	1	\$ 34,183	
FREMONT	35,804	8.8383%	\$ 48,611	\$ 26,190	\$ 74,801	2	\$ 37,401	
GOSHEN	12,538	3.0950%	\$ 17,023	\$ 26,190	\$ 43,213	1	\$ 43,213	
HOT SPRINGS	4,882	1.2051%	\$ 6,628	\$ 26,190	\$ 32,819	1	\$ 32,819	
LINCOLN	14,573	3.5974%	\$ 19,786	\$ 26,190	\$ 45,976	2	\$ 22,988	
NATRONA	66,533	16.4238%	\$ 90,331	\$ 26,190	\$ 116,522	1	\$ 116,522	
NIOBRARA	2,407	0.5942%	\$ 3,268	\$ 26,190	\$ 29,458	1	\$ 29,458	
PARK	25,786	6.3653%	\$ 35,009	\$ 26,190	\$ 61,200	2	\$ 30,600	
PLATTE	8,807	2.1740%	\$ 11,957	\$ 26,190	\$ 38,148	1	\$ 38,148	
SHERIDAN	26,560	6.5564%	\$ 36,060	\$ 26,190	\$ 62,251	1	\$ 62,251	
SUBLETTE	5,920	1.4614%	\$ 8,038	\$ 26,190	\$ 34,228	1	\$ 34,228	
SWEETWATER	37,613	9.2849%	\$ 51,067	\$ 26,190	\$ 77,257	3	\$ 25,752	
TETON	18,251	4.5053%	\$ 24,779	\$ 26,190	\$ 50,970	1	\$ 50,970	
UINTA	19,742	4.8734%	\$ 26,804	\$ 26,190	\$ 52,994	1	\$ 52,994	
WASHAKIE	8,289	2.0462%	\$ 11,254	\$ 26,190	\$ 37,444	1	\$ 37,444	
WESTON	6,644	1.6401%	\$ 9,020	\$ 26,190	\$ 35,211	1	\$ 35,211	
TOTAL	405,100	100.0000%	550,000.00	550,000	1,100,000			
			550,000	-	1,100,000			
			50.00%	0.00%				
<b>Note 1:</b> Weston County application was for \$22,850, which allows for \$12,361 to be re-allocated or \$613 per county No other dispatch center would receive more than amount applied for.								
<b>Note 2:</b> Population does not reflect statewide total population, only populations for counties applying for second round grants								
<b>Note 3:</b> Per dispatch center column is county allocation divided by number of dispatch centers in each county that applied for second round funding								

<b>WyoLink System Access Applications</b>						
Agency	WyoLink	Mutual Aid	SALECS	Date of WyoLink Ops	Date of PSCC	Membership Agreement
Cheyenne/Laramie County Emergency Management	Yes	Yes		3/4/2008		
U.S. Department of Agriculture - APHIS	Yes			3/4/2008		
Pine Bluffs Police Department	Yes	Yes		3/4/2008		
Wyoming Medical Center - Casper	Yes	Yes		3/4/2008		
Laramie County Fire District #2	Yes			3/4/2008		
Powell Police Department	Yes			3/4/2008		
Laramie Fire Department	Yes	Yes		3/4/2008		
Laramie Police Department	Yes	Yes		3/4/2008		
Albany County Sheriff's Office	Yes	Yes		3/4/2008		
Laramie/Albany County Records & Communications	Yes	Yes		3/4/2008		
Albany County Emergency Management	Yes	Yes		3/4/2008		
City of Laramie Public Works	Yes			3/4/2008		
Albany County Road & Bridge	Yes			3/4/2008		
Laramie County Sheriff's Department	Yes			3/4/2008		
Wyoming Office of Homeland Security	Yes	Yes		3/4/2008		
US Marshal's Service	Yes	Yes	Yes	3/4/2008		
Wyoming Military Department	Yes	Yes		3/4/2008		
Laramie County Fire District #6	Yes			3/4/2008		
Laramie County Fire District #1	Yes	Yes		3/4/2008		
Sheridan Police Department	Yes	Yes		3/4/2008		
Wyoming Department of Health	Yes	Yes		3/4/2008		
Laramie County Fire District #4	Yes	Yes	Yes	3/4/2008		
Platte County	Yes	Yes		3/4/2008		
Absolute Solutions	Yes			3/4/2008		
Wyoming Department of Transportation	Yes	Yes	Yes	3/4/2008		
Rocky Mountain Ambulance Service	Yes	Yes	Yes	3/4/2008		
Sheridan County	Yes	Yes	Yes	3/4/2008		
U.S. Drug Enforcement Agency	Yes	Yes	Yes	3/4/2008		
State Fire Marshal's Office	Yes	Yes	Yes	3/4/2008		
Sublette County Sheriff's Office	Yes	Yes	Yes	3/4/2008		
Sheridan County School District 3	Yes			3/4/2008		
University of Wyoming Police Department	Yes			3/4/2008		
Wyoming State Parks, Historic Sites & Trails	Yes	Yes	Yes	3/4/2008		

<b>WyoLink System Access Applications</b>						
Agency	WyoLink	Mutual Aid	SALECS	Date of WyoLink Ops	Date of PSCC	Membership Agreement
U.S. Immigration and Customs Enforcement	Yes	Yes		6/6/2008		
Campbell County Sheriff's Office	Yes			6/6/2008		
Wyoming Game and Fish Department	Yes	Yes	Yes	6/6/2008		
Gillette Police Department	Yes			6/6/2008		
Laramie County Sheriff's Office		Yes	Yes	6/6/2008		
Sweetwater County Sheriff's Office	Yes			6/6/2008		
Washakie County Sheriff's Office	Yes	Yes	Yes	6/6/2008		
Cheyenne Regional Airport	Yes	Yes		6/6/2008		
Campbell County School District	Yes			6/6/2008		
FBI	Yes	Yes	Yes	6/6/2008		
Goshen County School District No 1	Yes			6/6/2008		
Wyoming Department of Agriculture	Yes			6/6/2008		
Johnson County School District #1	Yes			6/6/2008		
Natrona County School District #1	Yes			6/6/2008		
State Engineers Office	Yes			6/6/2008		
Campbell County Fire Department	Yes	Yes		6/6/2008		
<b>MOU's Received and Reviewed by Attorney General</b>						
USDA Forest Service Law Enforcement						
U.S. Dept of Justice - U.S. Marshal's Office						