



South Dakota Public Safety Communications Council



December 2012 Meeting

Pierre

12/13/2012

Agenda

Call to order -- Matt Tooley

Roll Call of Members

Police Chiefs – Jody Frye

Sheriffs Organization -- Dave Ackerman

Division of Criminal Investigation – Dan Satterlee

South Dakota Game, Fish, & Parks -- Andy Alban

South Dakota Department of Transportation -- Greg Fuller

South Dakota National Guards – SSG David Goodwin

South Dakota Emergency Managers Association -- Brad Steifvater

South Dakota Fire Fighters Association -- Dennis Gorton

South Dakota Association of Health Care Organizations -- Rebekah Craddock

South Dakota Department of Public Safety -- Ryan Mechaley

South Dakota APCO/NENA Chapter -- Matt Tooley

South Dakota Emergency Medical Technicians Association -- J.D. Geigle

South Dakota Department of Agriculture/ Wildland Fire – Paul Reiter

South Dakota Association of County Commissioners -- Bob Wilcox

South Dakota Department of Health -- Rick LaBrie

Tribal Government -- Larry Jandreau

Federal Government -- Bob Fischer

Bureau of Information and Telecommunications -- Jeff Pierce

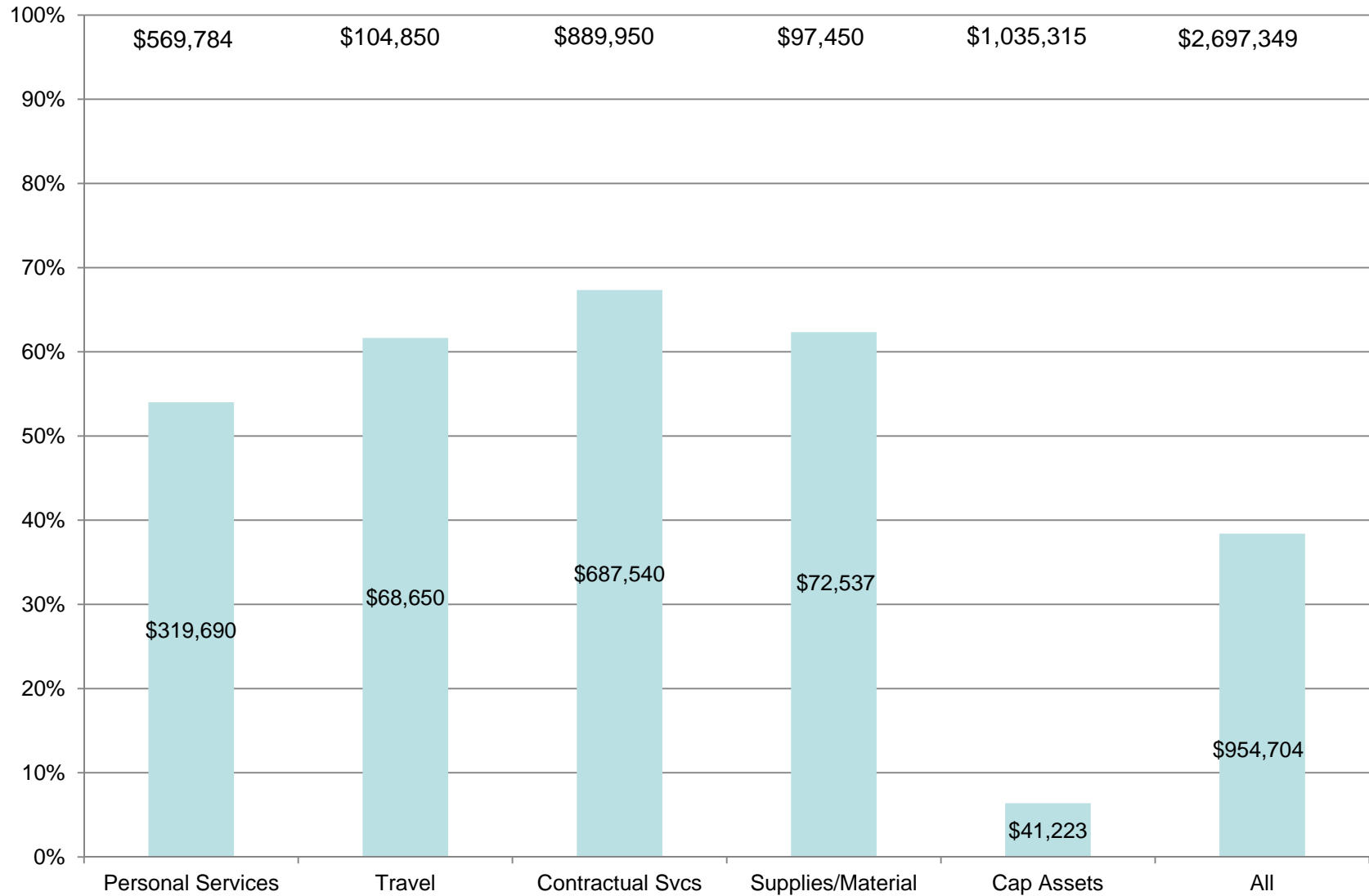
Additional Agenda Items

Approval of September meeting minutes --

Old Business

1. 2013/14 Budget discussion – Pierce

Fiscal Year 2013 Total Remaining With 58.5% of Year Remaining



1. 2013/2014 Budget

- If federal sequester (cliff) goes into place, estimates of \$29m impact to state.
- Still not sure of drought impact on budget.
- \$16m+ undesignated this year to cover contingencies, \$10m+ in FY2014.
- Working on service agreements for both updated infrastructure and NICE recorders, right now looking at around \$115k/year, so will lose some of our flexibility to do projects at end of year, but need to see what the additional funding for towers will do for our budget. If need be, will request for FY15.

2. Grant Status

- DHS grants merged into the National Preparedness Grant Program
- DPS is reallocating unspent 09 funding, might be able to leverage some site equipment.

DHS 2012 grants total \$2,335,889

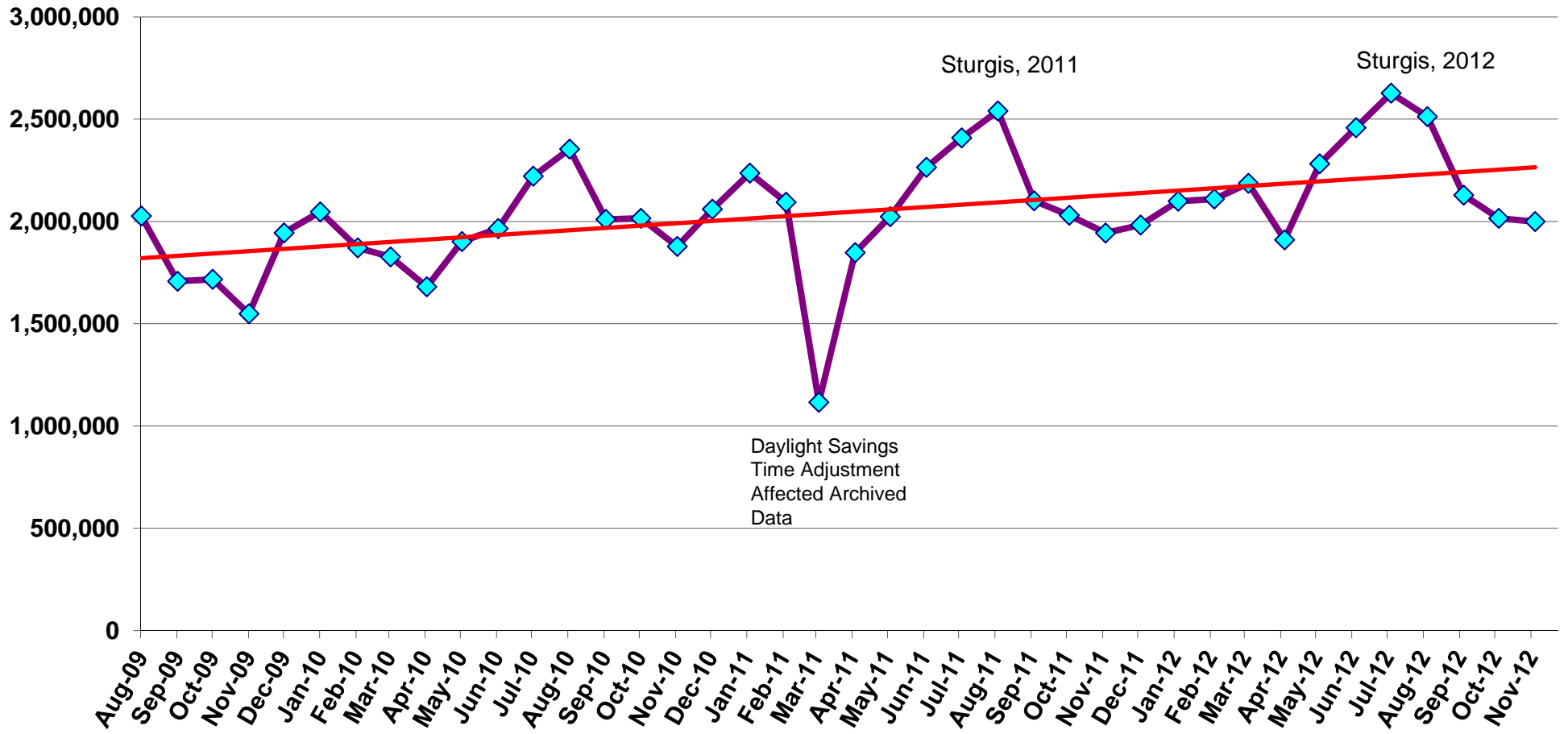
Note excerpt from Senior Advisory Committee:

Jeff P. discussed State Radio system needs and provided some handouts as well as the newly printed State Field Operators Guide. There are 22,000 state radio users. The system needs to build some additional towers to fill in some gaps; towers cost \$250,000-300,000 each. The South Dakota Public Safety Communications Council website has meeting notes and other information about the state radio system: <http://www.sdpscc.sd.gov/> .

3. Digital Radio Infrastructure Updates

- Updates on sites– Pierce/Dravland

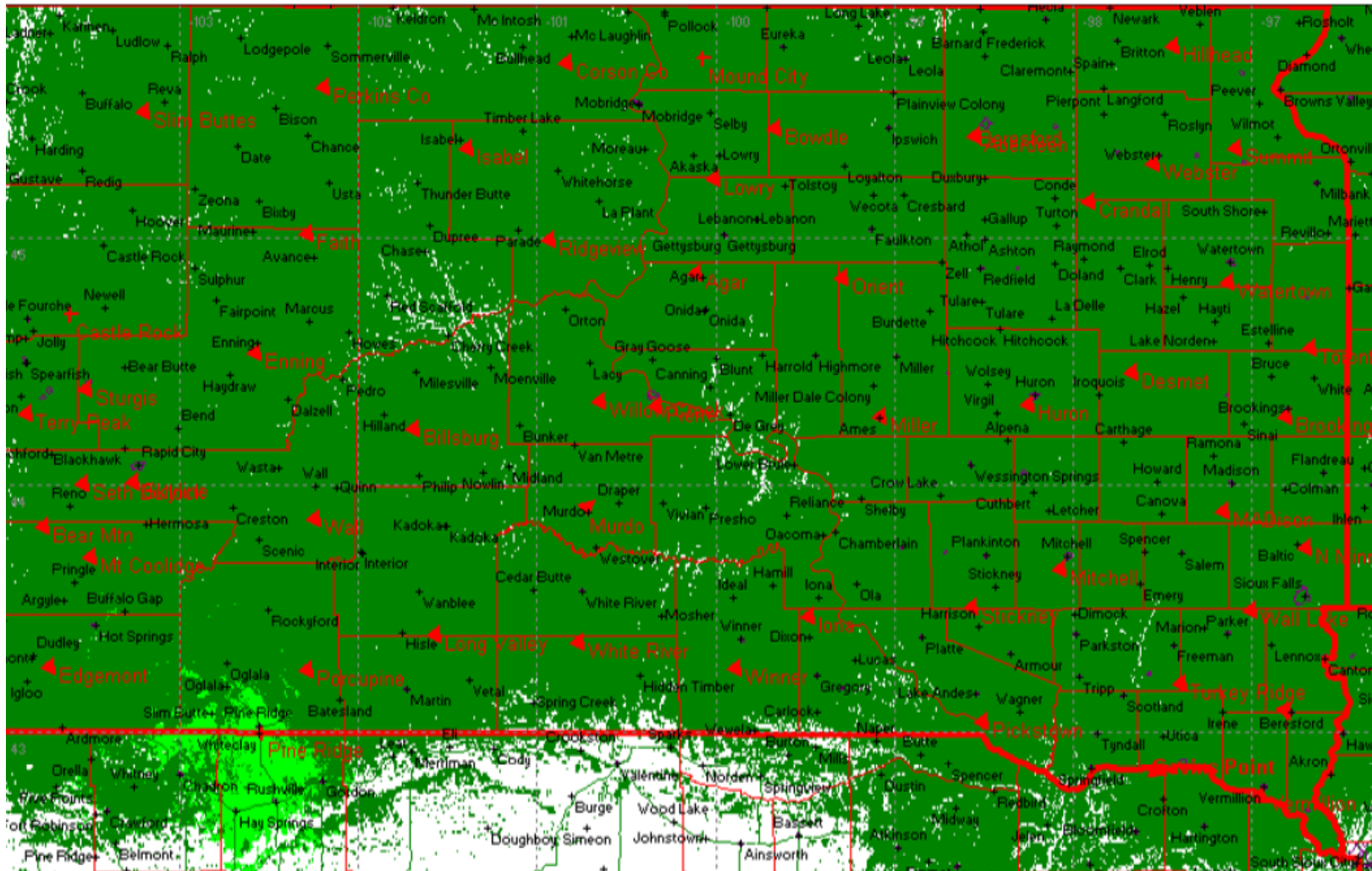
State Radio Call Volumes



Updates since last PSCC meeting June 26th, 2012:

Sites/ System Updates:

Tribe is funding a new site at Pine Ridge. The wholesale conversion of tribal radio users to the statewide system has resulted in heavy loading on the Porcupine, Long Valley, Wall, and Mt. Coolidge sites. This site should improve coverage and capacity in that region.



Pennington County has awarded bid to R.C.S. Construction, Inc. of Rapid City to build a 180' radio tower near Stevens High School in west Rapid City. A second radio tower will then be built on the east side of Rapid City. The County has also signed agreements with Motorola for the equipment needed to change the current state Skyline site into a three-site simulcast system for the Rapid City Metro area with the new equipment going on the two new towers being built. We anticipate having the three site system up and running by the end of summer 2013.

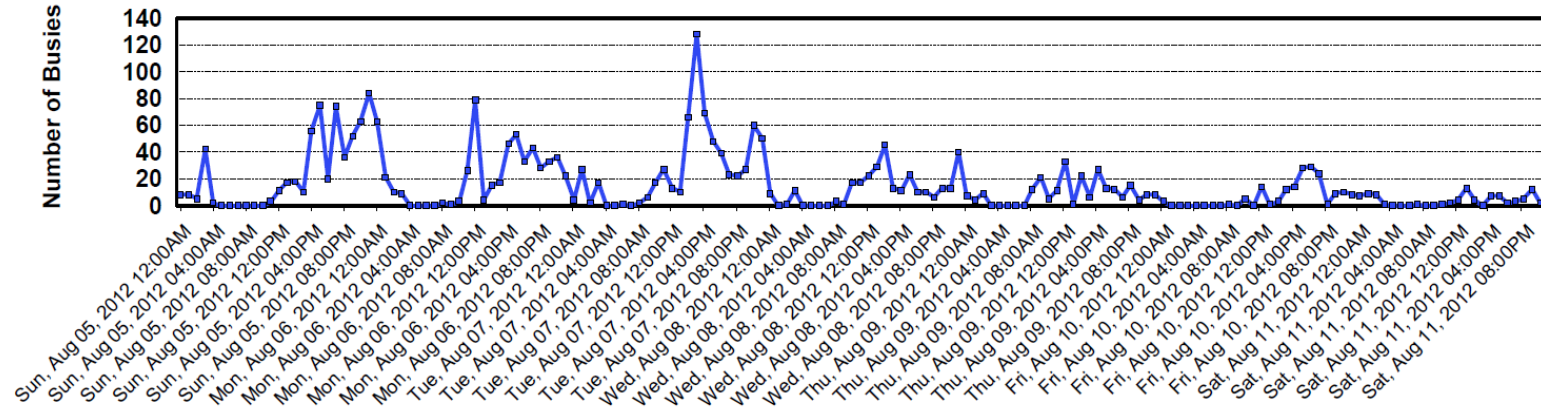
Upcoming System Work:

Continue removal of equipment from Becker-Hansen Master Site.
Finish building doors at Miller tower site.
Continue general maintenance and tower maintenance at radio tower sites.
Continue work on site coverage improvements.
Complete console audio tests with Federal Wildland Fire dispatch.
Miller T1 microwave path move up dish on Ree Heights end.
Multiple tower site work, per list.
Continue to place outside gensets indoors.
Finish up Narrowbanding programming at GFP and PEN sites.

Number of Buses Due to No Site Resources

Zone: SD_South_Dakota_Z1

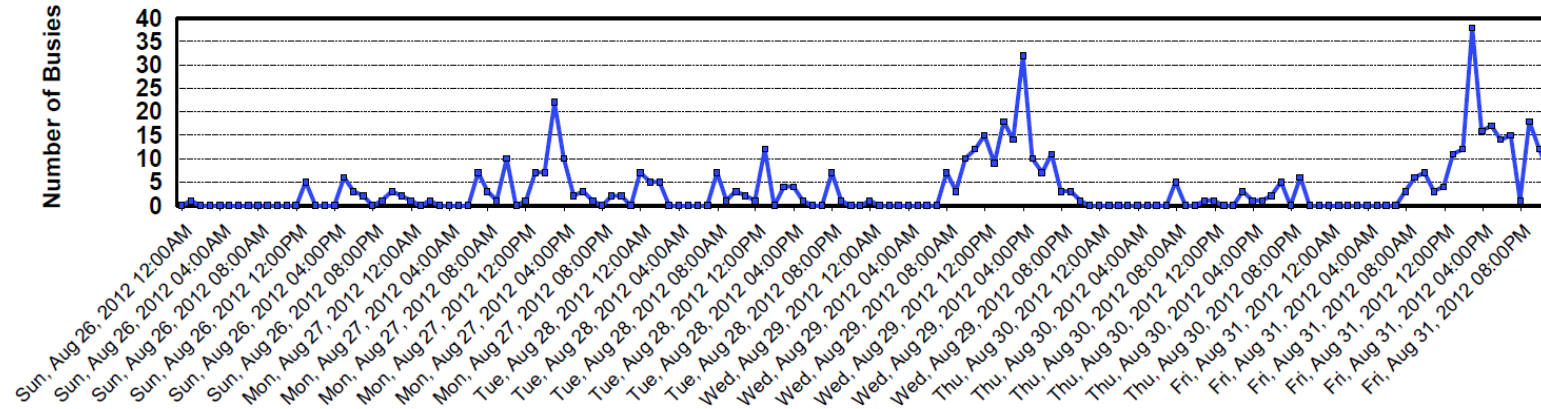
August 01, 2012 12:00:00AM - August 31, 2012 11:59:59PM



Number of Buses Due to No Site Resources

Zone: SD_South_Dakota_Z1

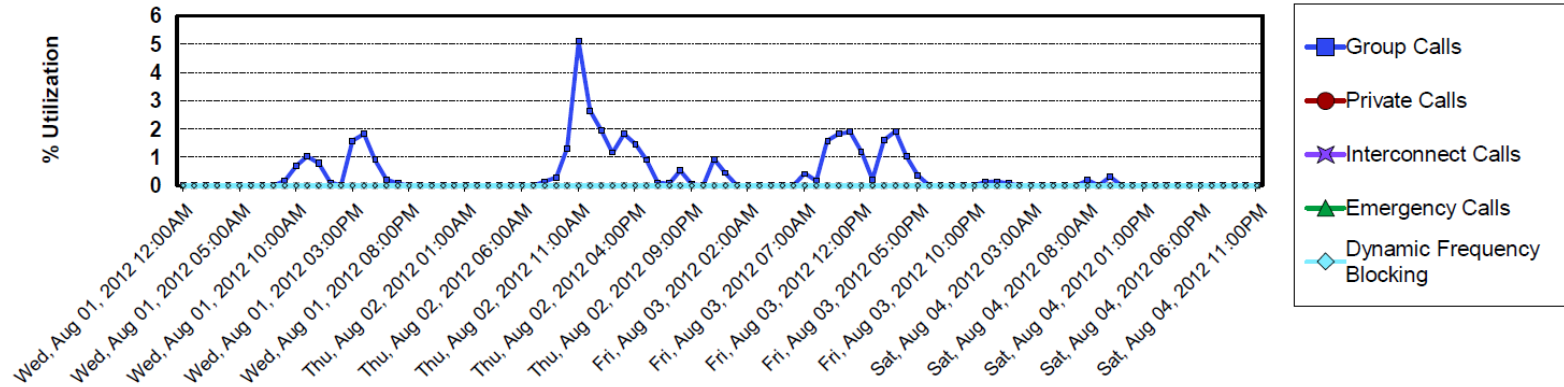
August 01, 2012 12:00:00AM - August 31, 2012 11:59:59PM



Channel Utilization

Zone: SD_South_Dakota_Z1 - Site: 38-Shade Hill

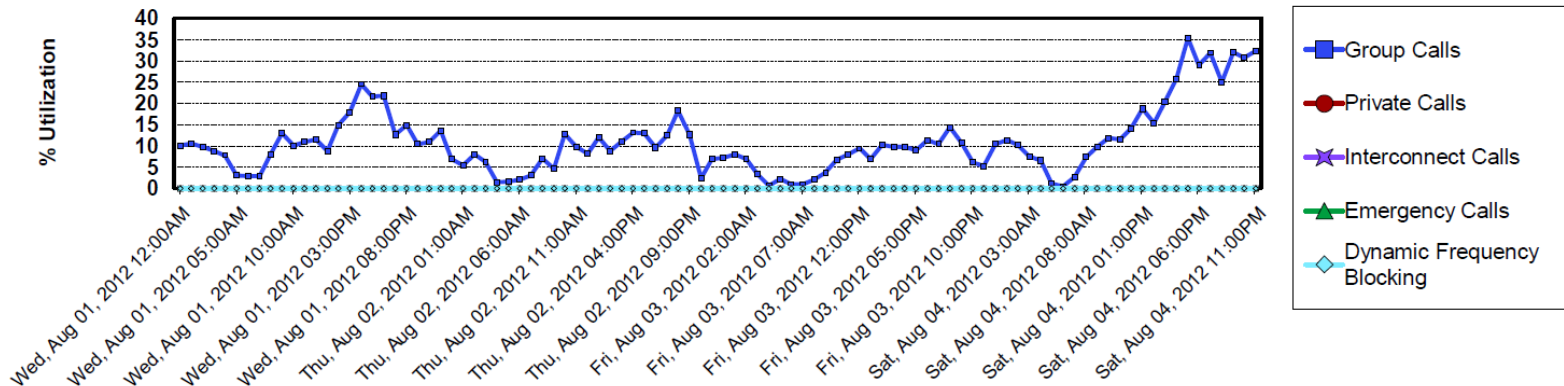
August 01, 2012 12:00:00AM - August 31, 2012 11:59:59PM



Channel Utilization

Zone: SD_South_Dakota_Z1 - Site: 45-Sly Hill

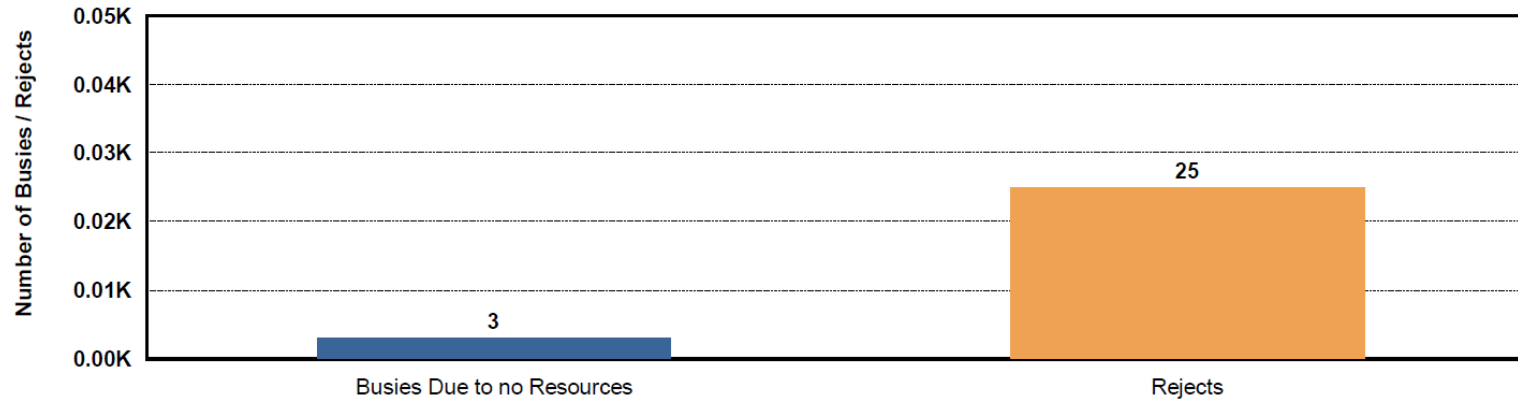
August 01, 2012 12:00:00AM - August 31, 2012 11:59:59PM



Number of Busies and Rejects

Zone: SD_South_Dakota_Z1 - Site: 47-Orient Hills

August 01, 2012 12:00:00AM - August 31, 2012 11:59:59PM



Number of Busies and Rejects

Zone: SD_South_Dakota_Z1 - Site: 04-Skyline

August 01, 2012 12:00:00AM - August 31, 2012 11:59:59PM



4. SCIP Update

- Broadband inclusion
- Annual SCIP Implementation Report submitted to OEC
- Working on utilizing a new format to reduce size of SCIP
- NECP Goals no longer a factor?

5. 700 MHz Plan Progress

No updates at this time, efforts have been concentrated on narrowbanding, licensing, etc.

6. Narrowband Progress

- Predictions of 20-35% non-compliance nationwide.
- Enforcement will be a complaint-driven process, most likely triggered by new narrowband licensee's.
- Some agencies have relicensed, but still operating wideband, that will probably shake out quickly.
- New coordination can start February 1, 2013, all will be considered as narrowband at that time.
- Less likely as the month goes on that new applications will be processed by FCC in time.

September 2012

Report Date: 9/17/2012 11:52:24 AM

FCC Data Current As Of: 9/16/2012 6:39:36 AM

Filter Settings: Service: PW,YW; Location Type: Fixed; License Status: A; UHF & VHF

Please Note: These results are from a licensing perspective only and do not imply any type of narrowband compliance from an equipment standpoint

Narrowband Licensing Status													
		By FRN				By CallSign				By # of Fixed Transmitters			
REGION	STATE	# NB	# WB	Total	% NB	# NB	# WB	Total	% NB	# NB	# WB	Total	% NB
Total					71.25				81				86.5
Aberdeen Field Office	SD	61	25	86	71.00%	138	31	169	82.00%	248	44	292	85.00%
Pierre Field Office	SD	42	13	55	76.00%	90	19	109	83.00%	172	23	195	88.00%
Rapid City Field Office	SD	62	21	83	75.00%	150	32	182	82.00%	366	42	408	90.00%
Sioux Falls Field Office	SD	62	36	98	63.00%	150	45	195	77.00%	274	58	332	83.00%

December 2012

Report Date: 12/5/2012 3:36:16 PM

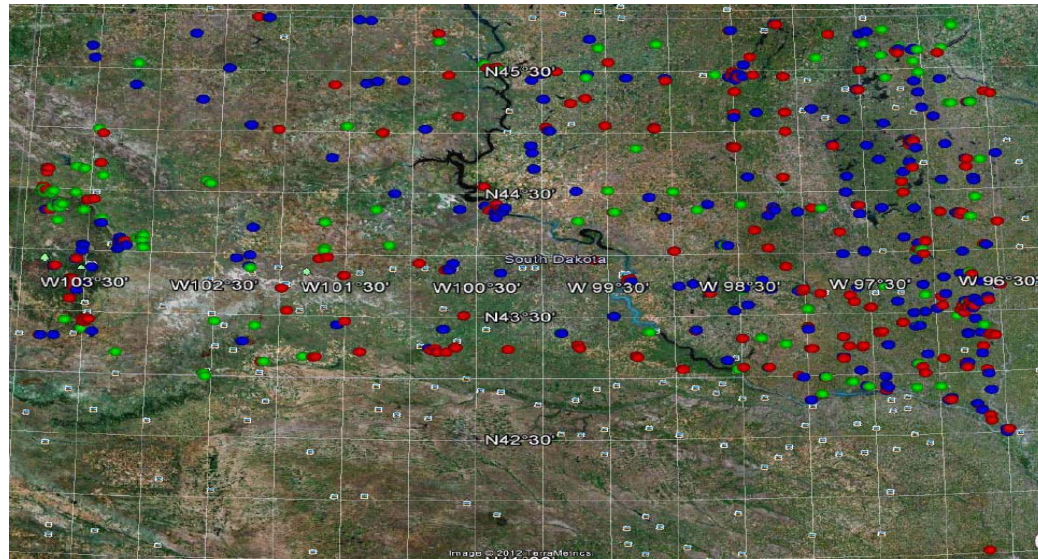
FCC Data Current As Of: 12/2/2012 6:38:16 AM

Filter Settings: Service: PW,YW; Location Type: Fixed; License Status: A; UHF & VHF

Please Note: These results are from a licensing perspective only and do not imply any type of narrowband compliance from an equipment standpoint

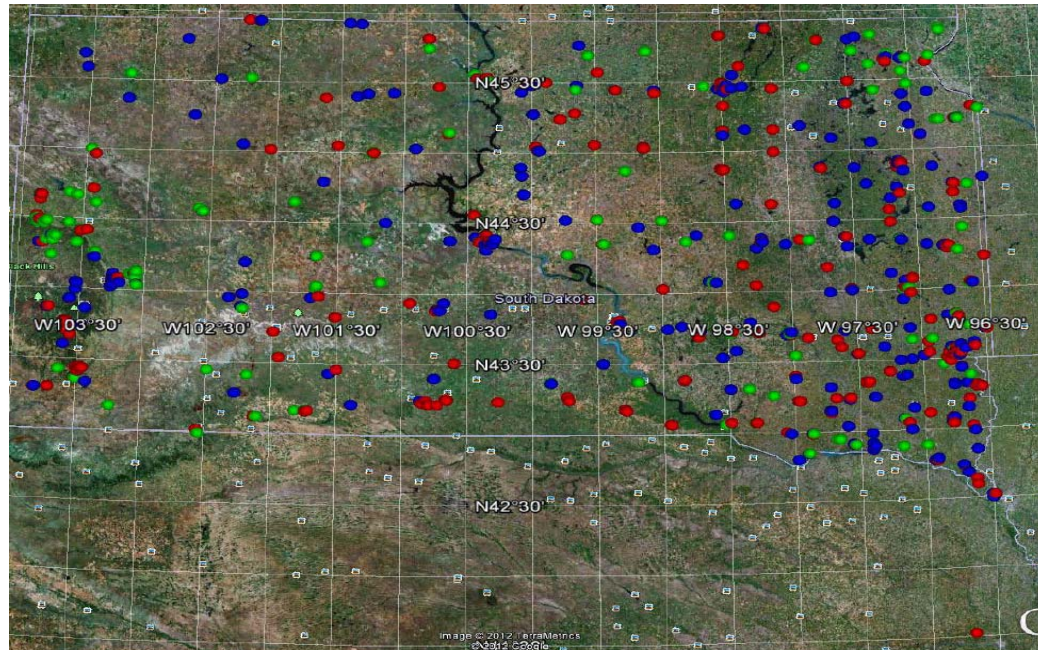
Narrowband Licensing Status													
		By FRN				By CallSign				By # of Fixed Transmitters			
REGION	STATE	# NB	# WB	Total	% NB	# NB	# WB	Total	% NB	# NB	# WB	Total	% NB
Total													
Aberdeen Field Office	SD	67	17	84	80.00%	144	18	162	89.00%	257	22	279	92.00%
Pierre Field Office	SD	43	12	55	78.00%	92	14	106	87.00%	178	18	196	91.00%
Rapid City Field Office	SD	64	19	83	77.00%	154	22	176	88.00%	373	29	402	93.00%
Sioux Falls Field Office	SD	66	30	96	69.00%	154	36	190	81.00%	284	44	328	87.00%

South Dakota Public Safety Narrowband Status September 2012



Red-Wideband
Blue-WB/NB
Green-Narrowband

South Dakota Public Safety Narrowband Status December 2012



7. Communications Field Operating Guide

- CFOG's delivered Regional EM's are picking up.
- Additional funding available if we need more.
- Available as a Word document if you want to personalize

8. Train the Trainer Program

http://www.sdpscc.sd.gov/documents/RadioTrainer5_000.pdf

9. NPSBN

- FirstNet board had first meeting in September, since has added a PSAC committee and working on others
- A proposed architecture was forwarded, with multi-layers redundancy
- Core network could begin within the next two years. The RAN (radio access network) several years later
- The Implementation Grant program is scheduled to release grant guidance 1st or 2nd quarter 2013
- Need to consider Council subcommittee, who, when, etc.
- Criteria to be collected for the implementation grant next slide

10. OEC Updates

User Needs Assessment

Each state must document the number of potential subscribers to FirstNet and those user needs through a comprehensive assessment to include face-to-face interviews, online surveys, table-top exercises, inventories of existing cellular contracts and services as well as the types of devices and applications used by public safety. This sort of assessment is a critical first step in NPSBN planning that each state should replicate. This data should be collected and summarized at a county and statewide level.

Statement of Network Requirements

Each state must clearly state its network requirements relative to the needs of its users gathered through its assessments. This statement of features and performance outcomes required of the NPSBN should be gathered in consultation with end-users, technical staff, and managerial staff/elected officials. Per ongoing efforts through NPSTC, there may be a national set of requirements and each state may be able to use that as a baseline. Each state should undertake to identify and document both outdoor and indoor coverage requirements down to a county level and statewide.

Commercial Carrier Assessment

Each commercial carrier should be assessed in its ability to meet public safety needs through service or partnership models. Report should include face-to-face interviews with cellular carrier representatives advertising commercial LTE service and assessments for other states should include all interested and/or capable providers today and in the future. Each state today through the NTIA SBI program is providing wireless coverage maps by provider which can be leveraged.

Implementation Model and Overall/Budgetary System Design

Each state should first develop requirements to determine a high-level design for the NPSBN statewide, including budgetary costs, for the purposes of evaluating the scale of the network and general funding needs. Overall system design should include placement of RAN sites, and a rudimentary backhaul design, some specifics of which will be different under FirstNet as compared to the time the study was conducted. Whichever business model each state chooses for its RAN (i.e. "opt-in" or "opt-out"), the network architecture, and the costs for network buildout in each state, should be relatively consistent.

New Business

1. Available/Applied for DHS TA courses

Office of Emergency Communications
U.S. Department of Homeland Security
Washington, DC 20528



November 21, 2012

Mr. Jeffrey Pierce
Statewide Interoperability Coordinator
South Dakota Bureau of Information and Telecommunications
700 Governors Drive
Pierre, SD 57501

SENT VIA EMAIL

Dear Jeff:

This letter follows up on the TA requests you discussed with Dan Hawkins, OEC Region VIII Coordinator, and which the OEC TA Branch entered into our tracking system on your behalf. We sent a file copy of the completed request form via email on November 19 for your records.

We have resources to accept and begin delivery on the following two requests:

Catalog Offering	Description
ENG-BRBND	NPSBN Support
TRG-COML	Communications Unit Leader Course

A member of my staff will contact you in the near future to begin scoping and scheduling these requests. If you have questions, please contact me (Richard.Reed@hq.dhs.gov; 202-343-1666) or Dick Tenney (Richard.Tenney@hq.dhs.gov; 202-343-1628) as soon as possible.

Very respectfully,

A handwritten signature in black ink that reads "Richard Reed".

Richard Reed
Director, Technical Assistance Branch
Office of Emergency Communications

cc: Dan Hawkins, Region VIII Coordinator

2. P25 Pricing Comparison/Discussion

State of Wyoming Negotiated Pricing for P25 Radios Best Effort to Match Radio Configurations

Make	Mobile Radio Minimum 256 CH with trunking	Model	Cost
Bendix King	136-174 MHz, Digital/Analog, P25, 2048 channels, 110 Watts	KNG-M150	\$3,175.00
EF Johnson	53SL ES Platform, Dash Mount Mobile, Standard	242-541G-201-SFCH6	\$2,412.00
Kenwood	136-174MHz 10-50W 50 Zones/512 Channels	TK-5710BK	\$2,421.00
Motorola	XTL2500 VHF 136-174 MHZ, 10-50 WATT, 870 MODE - DASH MOUNT	M21KSM9PW1 N	\$3,286.00
Tait	TM9100 Mobile Body 50W 136-174M P25Conv M-UHF	TMAB34-B101B	\$1 ,634.00

Make	Portable Radio Minimum 256 CH with trunking	Model	Cost
Bendix King	136-174 MHz, 512 channels, 6 Watt, P25 Digital/Analog Portable	KNG-P150	\$1,949.00
EF Johnson	51SL ES Platform, Model II Limited Keypad Portable	242-521B-630KJ6	\$1,852.00
Kenwood	VHF NiMH Battery Package (TK-5210K2 + KNB-32N + KSC-32 + KBH-11)	TK-5210K2-NKP	\$2,008.00
Motorola	XTS2500 MODEL II, 1-5 WATT, VHF PORTABLE, 870 MODE, (Limited Display)	H46KDF9PW6 N	\$2,370.00
Tait	Portable Pkg TP9155IS P25 Ant136-151M NiMH En/Manl B/Clip	TP9155IS-B1A06	\$1 ,541.00

3. Legislative issues/concerns

4. Mediating narrowband issues in South Dakota

5. Travel Reimbursement Forms

6. Other

Organizational Reports

Police Chief's Assn. – Jody Frye
Sheriffs Assn. -- Dave Ackerman
DCI -- Attorney General – Dan Satterlee
GFP -- Andy Alban
DOT -- Greg Fuller
National Guard – SSG David Goodwin
Emergency Managers -- Brad Steifvater
Firefighters -- Dennis Gorton
Healthcare -- Rebekah Craddock
Dept. of Public Safety -- Ryan Mechaley
APCO/NENA -- Matt Tooley
EMT's -- J.D. Geigle
Wildland Fire/DOA – Paul Reiter
County Commissioners -- Bob Wilcox
Health Dept. -- Rick LaBrie
Tribal Governments -- Larry Jandreau
Federal Government -- Bob Fischer
BIT Engineering -- Jeff Pierce

Closing Comments

Vice-chair -- Brad Steifvater
Member at Large -- Mechaley
Chair -- Tooley

Next Meeting: date, time, location.