BayRICS
JOINT POWERS AUTHORITY
BOARD OF DIRECTORS MEETING
STAFF REPORT

MEETING DATE:

Thursday June 13, 2013

AGENDA ITEM:

Item 5, General Manager Report – June 2013

RECOMMENDATIONS:

Receive and File

SUMMARY/DISCUSSION

Staff activities in May are summarized below.

1. BayLoop

The BayRICS TAC has begun to develop regional BayLoop operating procedures, including a process for reviewing and approving regional applications to operate on the network. The Technical Advisory Committee (TAC) has started to review current procedures in place with other agencies and will develop a template based on these examples. Once these processes are established, the network can begin supporting BayWEB, as well as other regional voice and data applications.

2. Staff Activities

FirstNet Western States Consultation Workshop. The FirstNet Board is conducting a series of six Regional Consultation Workshops, including a workshop held in San Francisco on May 29-30. The workshops are being facilitated by the National Governor's Association (NGA) and mark the beginning of the formal consultation dialog between FirstNet and the States.

BayRICS Vice-Chair Karen Wong and General Manager Barry Fraser attended the San Francisco workshop, along with eight other representatives from California. In addition, representatives from the states of Alaska, American Samoa, Arizona, Guam, Hawaii, Idaho, Nevada, North Mariana Islands, Oregon, and Washington, attended this workshop.

During the first morning session, FirstNet Board Members Craig Farrill and Chief Jeff Johnson provided a FirstNet vision presentation and project update. A highly detailed (59-page) PowerPoint presentation from this session is available at:
http://www.ntia.doc.gov/files/ntia/publications/day_one_vision_presentation_sf_workshop.pdf

The rest of the workshop consisted of three breakout sessions to gather input from the states about public safety broadband requirements, priorities and concerns. In the first breakout session,

state representatives met to discuss state-specific requirements. The second breakout addressed issues of specific concern to attendees, such as billing and costs, state governance, leveraging state and local assets, state agreements for infrastructure use, data collection planning and the State and Local Implementation Grant Program (SLIGP) grant process. A third breakout was held for peer-to-peer discussion with attendees of similar functional disciplines, such as public safety, chief information officers and local government officials.

Each breakout group reported back to FirstNet staff with identified concerns and possible solutions. This input will help FirstNet design the network and conduct its RFI/RFP process and develop state-level build-out plans that each state will use to evaluate its participation in FirstNet. Staff will provide more information at the Board meeting.

Public Safety Communications Research Stakeholder Meetings. General Manager Barry Fraser and TAC Chair Ahsan Baig attended the Public Safety Broadband Stakeholder Conference, June 4-6 in Boulder, Colorado. Also attending was TAC participant Jun Chin. This three-day conference was hosted by the Public Safety Communications Research (PSCR) program of the U.S. Department of Commerce.

This is the fourth year that PSCR has hosted the stakeholder conference. There were 480 attendees, more than double attendance form. The conference ran for 3 full days and covered a broad and comprehensive subject matter on both technical and non-technical areas. Staff learned about recent PSCR efforts related to Long Term Evolution (LTE) test results, recent public safety broadband requirements gathering and standards development activities. The conference also provided an opportunity for FirstNet Board members and their technical staff to inform stakeholders about current FirstNet efforts and for stakeholders to ask questions and provide feedback to FirstNet, PSCR, Department of Homeland Security (DHS), National Telecommunications and Information Administration (NTIA), and many other partners.

Session highlights included:

- PSCR gave a very informative presentation on demonstration network drive testing and interoperability testing with multiple vendor combinations, including revealing lessons learned during the testing process;
- PSCR presented a nationwide modeling and simulation for FirstNet based on population, land use, etc. with 95% reliability and coverage with typical emergency scenarios;
- PSCR presented high-level broadband network security and cyber-security research it is currently undertaking;
- PSCR demonstrated a cell-on-wheel (or tower-on-wheel) unit with four types of vendor cores, LTE antenna and satellite for Internet access;
- The FirstNet Board held their June Board Meeting at the PSCR conference on the morning of June 4 and FirstNet Chair Sam Ginn and Board Members Craig Farrill and Jeff Johnson each gave keynote addresses on FirstNet vision, planning and outreach. Key points from those presentations included:

- o FirstNet plans to deploy a nationwide distributed core system and that will connect with radio access networks in each state. Deployable assets (i.e. cell on wheels) and satellite will be used for rural and hard-to-reach areas.
  - o A series of 18 Requests for Information (RFI) will be released over the summer that will cover a very broad range of aspects and requirements for the nationwide system;
  - o Staff from NTIA provided an overview and update on the State and Local Implementation Grant Program (SLIGP). NTIA will start making awards in July timeframe. Four federal program officers (FPO) will be assigned to work with the states. Each state will be required to submit a report in next 90 days for the baseline/expenditure plan and then a progress reports at the end of each quarter;
  - o BTOP projects were referenced repeatedly as key "first movers" that will be leveraged for lessons learned;
- First Net General Manager Bill D'Agostino addressed the group on his plans for FirstNet organization structure and budget for FY2013 and 2014;
- DHS discussed data collection tools and services they have developed, which are now available to use for SLIGP phase-two implementation. One useful websites is http://www.publicsafetytools.info with all resources and information which have been aligned with FirstNet.
- The Alliance for Public Safety Communications (APCO) introduced a new website (http://www.appcomm.org) established for the public safety community and vendors to submit application ideas and upload/download apps for testing and uses.
- FirstNet consultants discussed current undertakings on application framework, standards development and other technical considerations of the FirstNet nationwide network.

All conference presentation materials are available online at http://www.pscr.gov/agenda.php. Staff will provide additional information at the Board meeting.

3. FirstNet Planning

Spectrum Lease Negotiations. On February 12, 2013 the FirstNet Board adopted a resolution directing Board Member Sue Swenson to negotiate spectrum leases with each of the seven BTOP grantees, including BayRICS. On May 13, 2013, the FirstNet Board extended the time period for negotiating these agreements by an additional 30 days, to June 12, 2013, and added Texas as a potential spectrum lessee. The FirstNet Board approved an additional time extension at its meeting on June 4, 2013.

Staff continues to negotiate the spectrum lease with Ms. Swenson and FirstNet. A new draft lease was distributed by FirstNet on May 30 and discussions have continued throughout the week of June 3rd at the PSCR Conference. BayRICS staff will provide updates as they become available.

As staff reported last month, primary requirements of the lease include:

- Compliance with FCC Rules, Communications Act and minimum technical requirements of the Technical Advisory Board for First Responder Interoperability;
- Geographic scope of operations to be the geographic boundaries of the BayRICS members, with the ability to expand the geographic area upon mutual agreement;
- Eligible services defined as "wireless communications services provided to public safety entities;"
- No lease fee requirements;
- Project will operate on Public safety broadband and D Block spectrum (full 10x10 MHz)
- Project will be built and operated according to open, non-proprietary and commercially-available standards;
- Demonstration in writing from a significant representation of the public safety entities within the geographic scope of operations of their intent to receive wireless communications services from the project;
- Lessee shall provide FirstNet with reasonable access to its operations, and shall facilitate the collection and sharing of information about its operations to FirstNet;
- Quarterly reporting requirements;

- "Key Learning Conditions," to assist FirstNet in planning for the nationwide network. Specific learning areas for the Bay Area include high power coverage in rural or wide area deployments, development of public safety applications, and other test scenarios that will help FirstNet develop and implement its plan for the nationwide network.

4. BayRICS Financial Report

BayRICS Authority revenue and expense detail through May 31, 2013 has been provided on the following page of this report. Expenses for the year continue to remain well under budget, with cash reserves at approximately $378,000.

BayRICS Authority

FY 2012-2013 Expense and Revenue Report: May 31, 3013

EXPENSES	Budget	Actual	Difference ($)	Difference (%)
PERSONNEL			$0	0.0%
General Manger /Project Manager	$75,000	$0	($75,000)	-100.0%
Billing Clerk	$49,500	$0	($49,500)	-100.0%
Admin Assistant	$0	$0	$0	0.0%
OPERATING			$0	0.0%
Bookkeeping/Accounting	$7,500	$3,700	($3,800)	-50.7%
Legal Services			$0	0.0%
General Counsel	$60,000	$27,475	($32,525)	-54.2%
BOOM/Telecom/Contract	$55,000	$62,119	$7,119	12.9%
Technical Consulting	$55,000	$0	($55,000)	-100.0%
Spectrum Lease	$15,000		($15,000)	-100.0%
Insurance	$10,000	$6,281	($3,719)	-37.2%
Misc Exp.	$10,376	$2,564	($7,812)	-75.3%
			$0	0.0%
			$0	0.0%
			$0	0.0%
			$0	0.0%
			$0	0.0%
BayLoop Maintenance	$265,000	$265,000	$0	0.0%
Reserve for Backhaul Costs	$135,000	$0	($135,000)	-100.0%
			$0	0.0%
			$0	0.0%
			$0	0.0%
			$0	0.0%
			$0	0.0%
TOTAL EXPENSES	$737,376	$367,139	($370,237)	-50.2%

REVENUES	Budget	Actual	Difference ($)	Difference (%)
Carry Forward form Prior Year	$135,000	$149,393	$14,393	10.7%
UASI Grant (BayLoop Maintenance	$265,000	$265,000	$0	0.0%
Interest	$0	$0	$0	0.0%
Legal Fee Reimbursement	$0	$25	$25	0.0%
OPERATING			$0	0.0%
Annual Member Fees	$337,376	$331,086	($6,290)	-1.9%
			$0	0.0%
TOTAL REVENUES	$737,376	$745,504	$8,128	1.1%