

**NOTICE/AGENDA OF PUBLIC MEETING
PIMA COUNTY WIRELESS INTEGRATED NETWORK
EXECUTIVE COMMITTEE MEETING
THURSDAY, SEPTEMBER 22, 2016**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the PIMA COUNTY WIRELESS INTEGRATED NETWORK EXECUTIVE COMMITTEE and to the general public that the Executive Committee will hold a meeting on **Thursday, September 22, 2016 beginning at 9:00 AM** at the Pima Emergency Communications Operations Center (PECOC), 3434 E. 22nd Street, Tucson, AZ.

The Pima Communications & Operations Center endeavors to ensure all persons with disabilities accessibility to meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Nicole Burdette at (520) 724-9320. Requests should be made as early as possible to allow time to arrange the accommodation.

I. CALL TO ORDER AND ROLL CALL Chairman

II. APPROVAL OF MINUTE SUMMARY Chairman
Motion
Review, discussion, and approval of Minute Summary from the July 21, 2016 Executive Committee Meeting.

III. EXECUTIVE DIRECTOR'S REPORT John Voorhees
**Information &
Direction to Staff**
The Executive Director will brief the members on the following topics:

A. PCWIN Budget – Special Revenue Fund
The Committee will be briefed on Period 2 of the FY 16/17 budget.

B. PCWIN Network Health Report
The Committee will be briefed on the Network Health Report.

C. OWG & TWG Reports
The Committee will be briefed on any pertinent activities of the Operational and Technical Working Groups.

D. Fiscal Year 17/18 Draft Budget
The Executive Director will provide an overview of the fiscal year 17/18 draft budget.

IV. PCWIN STATUS UPDATE Rick Brown
**Information &
Direction to Staff**
The PCWIN Wireless Network Manager will provide the Committee with an update on pertinent activities.

V. MEMBER & PARTICIPANT ACQUISITION John Voorhees
**Information &
Possible Action**
The Committee will consider approval of the application from the U.S. Border Patrol for membership as an Interoperability Participant.

- | | |
|---|---|
| <p>VI. PCWIN BUSINESS PLAN</p> <p>The Executive Director will submit the revised PCWIN Business Plan to the Committee for review and approval.</p> | <p>John Voorhees
Information & Possible Action</p> |
| <p>VII. NETWORK BACKHAUL UPGRADE</p> <p>Mr. Anthony Casella will provide the Committee a brief overview of the plan to upgrade the network backhaul.</p> | <p>Anthony Casella
Information</p> |
| <p>VIII. PCWIN SITE SECURITY CAMERA PROJECT UPDATE</p> <p>Mr. Anthony Casella will provide the Committee an update on the site security camera project.</p> | <p>Anthony Casella
Information</p> |
| <p>IX. AGENDA ITEMS FOR FUTURE BOARD OF DIRECTORS MEETINGS</p> <p>The Committee will discuss and consider agenda items for the November 17, 2016 Board of Directors meeting.</p> | <p>Committee
Information & Direction to Staff</p> |
| <p>X. NEW BUSINESS</p> <p>The Committee will discuss and consider agenda items for future meetings.</p> | <p>Committee
Information & Direction to Staff</p> |
| <p>XI. CALL TO THE PUBLIC</p> <p>Those wishing to address the Committee need not request permission in advance. Action taken as a result of public comment will be limited to directing staff to study the matter or rescheduling the matter for further consideration and decision at a later date.</p> | <p>Committee
Direction to Staff</p> |
| <p>XII. DATE-TIME-LOCATION OF NEXT EXECUTIVE COMMITTEE MEETING(S)</p> <p>The next Executive Committee Meeting is October 20, 2016. The meeting will begin at 9:00 a.m., and held at the Pima Emergency Communications Operations Center, 3434 E. 22nd Street, Tucson, AZ, Conference Room 308.</p> | <p>Committee
Discussion</p> |
| <p>XIII. ADJOURNMENT</p> <p>A copy of the agenda background material provided to the Executive Committee is available for public inspection at the PCWIN Administrative Office, Pima Emergency Communications & Operations Center, and (520) 724-9320.</p> | <p>Motion</p> |

**PIMA COUNTY WIRELESS INTEGRATED NETWORK
(PCWIN)
EXECUTIVE COMMITTEE**

Pima Emergency Communications Operations Center
3434 E. 22nd Street
July 21, 2016

SUMMARY OF MEETING

Note: The following is a summary of what transpired at the July 21, 2016 Executive Committee Meeting.

I. CALL TO ORDER

Mr. Anthony Casella, PCWIN Executive Director 9:00 am

Roll Call: Nicole Burdette, PCWIN Administration

Members Present

Mr. Anthony Casella, Pima County ITD (Chair)
Assistant Chief Carla Johnson, City of Tucson Police (Vice Chair)
Chief Doug Chappell, Drexel Heights Fire District
Chief Karl Woolridge, Pima County Sheriff's Department
Deputy Chief Larry Stevens on behalf of Chief Daniel Sharp, Oro Valley Police
Howell Herring, City of Tucson ITD
Chief Chuck Wunder, Green Valley Fire District
John Voorhees, PCWIN Executive Director

Members Absent

Chief Daniel Sharp, Oro Valley Police

Participating Attendees

Mr. Rick Brown, ITD Wireless Services

II. APPROVAL OF MINUTE SUMMARY

Mr. Anthony Casella, Pima County ITD

Mr. Casella calls for comments on the June 23, 2016 Executive Committee Meeting Minute Summary and hears none.

Motion: Chief Johnson moves to approve the Minute Summary for the June 23, 2016. Motion is seconded by Chief Chappell and carries unanimously.

III. EXECUTIVE DIRECTOR'S REPORT
Mr. John Voorhees, PCWIN Executive Directors

A. PCWIN BUDGET – SPECIAL REVENUE FUND

Mr. Voorhees advises that the Period 12 Report includes expenses for all 12 periods, but the bottom line numbers are from the Period 10 forecast.

The Period 10 forecast shows the fund ahead approximately \$202K. Mr. Voorhees reminds Members that the five-year plan forecasted the fund to be ahead by \$181K.

The budget is about 85% spent overall for the fiscal year.

The Revenue Receivables Report for Period 12 shows a credit for Green Valley Fire. They reduced their radio inventory by one but had already paid, hence the credit.

The Aging Report for Period 12 shows a small amount of money still due from Banner University Medical.

B. PCWIN Network Health Report

June System Report:

- Busies – 20
- PTTs – 2M
- Average channel usage –30 %

Haystack continues to have the majority of busies. Mr. Voorhees explains that this is most likely related to users who live near Haystack but work in another simulcast. Users turn on their radios when they leave for work and although they travel to another simulcast, their radio stays affiliated with Haystack because it is a high site with good coverage. This results in more radios affiliating, thus more busies.

Mr. Herring asks if this hypothesis can be tested. Mr. Brown replies that it has been tested and is the reason why site preferences were programed. However, as mentioned previously, Haystack is a high site and radios will affiliate with it, regardless of site preference, until they get to a better site.

Mr. Voorhees offers to test the hypothesis and report the findings back to the Committee.

June Backhaul Performance Report:

- Most of the frame errors and loss of signal were the result of monsoons. There was one maintenance related issue.
- Mr. Voorhees, referring to the Measures of Effectiveness, notes that the number of work orders remain the same.
- Number of emergency activations were 100 for the month of June.

Mr. Casella, referring to the work order data, asks how the City and County are collaborating to evaluate this data given that different systems are being used for tracking.

Mr. Voorhees explains that the monthly data is evaluated at the TWG to determine what work orders are typical day-to-day maintenance and what work orders may indicate a systemic issue.

Mr. Brown adds that the City and County maintenance providers have discussed the concerns related to the use of two separate systems. The City has stated that they have all the data and will report any trends.

C. OPERATIONS WORKING GROUP (OWG) & TECHNICAL WORKING GROUP (TWG) REPORTS
Mr. Rick Brown, Pima County Wireless Services, TWG Chairman
Nicole Burdette, PCWIN Administration

OWG Update – Nicole Burdette, PCWIN Administration

Ms. Burdette provides a brief overview of the July OWG meeting:

- The Bureau of Alcohol, Tobacco, Firearms and Explosives' application for membership as a Public Safety Services Participant was reviewed and approved.
- Mr. De Boer of Wireless Services briefed the group on:
 - Preventive maintenance at the Simulcasts and other sites scheduled in July.
 - Pre-infrastructure rebanding coverage testing scheduled in August.
 - The status of the APX 6000 case replacement.
- The encryption management policy was discussed.
- Mr. Campbell reported that the Interoperability Subcommittee started developing the frame work for a comprehensive interoperability plan. Mr. Campbell has gathered several local, state and national resources the Committee will use for reference and guidance. Members will also work on expanding participation in the Committee.
- The revised PCWIN Business Plan was reviewed. No changes were recommended.

TWG Update – Mr. Rick Brown, Chairman

Mr. Brown provides a brief overview of the July TWG meeting:

- APX6000 cracked cases: Motorola should be ready to start the case replacement process in October. The delay is related to the supply chain. In the meantime, City and County maintenance providers have started developing a procedure for sending in the radios.
- 7.17 Upgrade: Although this will not occur until next year, staff is preparing now for this major upgrade. Motorola provided a preliminary list of items to be upgraded which includes upgrading to Windows 10 and replacing or upgrading the servers.
- ATF application was reviewed and approved.
- Measures of Success Report was reviewed.

Mr. Voorhees comments that the Interoperability Subcommittee, which was a subcommittee under the OWG, will branch outside PCWIN and actively seek participation from all agencies interested in regional interoperability.

Mr. Voorhees invites Mr. Campbell to provide more information. Mr. Campbell reports that participants are working on the development of governance documents. Also, the Committee agreed to branch away from PCWIN to become its own entity and change the Committee name.

Mr. Casella recommends that this be an agenda item going forward.

IV. PCWIN STATUS UPDATE
Mr. Rick Brown, Pima County Wireless Services

Rebanding

- Staff continues to have monthly meetings with Motorola.
- Sprint will monitor for frequency use at Keystone on August 2nd and may go back to Childs Mtn. to monitor there as well.
- Infrastructure rebanding is planned for the end of 2016 or early 2017.
- AECOM will do pre-infrastructure rebanding testing in September 2016 and will test again after rebanding to ensure coverage remains the same. Users will not be affected.
- Second touch is tentatively scheduled for January - July 2017.

Simulcast A and B preventive maintenance starts next week. Users will not be affected.

On July 8th, Simulcast A, North Simulcast, and Golder went into site trunking. This occurred at the same time the City of Tucson was doing fiber work; however, this was not the cause of the problem.

The problem was in PECOC, the hub of the system. Staff discovered that fiber leading from PECOC out to the sites was pinched, so when the City tested the fiber, the system tried to switch as it normally would but the fiber wouldn't allow it. This caused the sites mentioned to go into site trunking for about 10 minutes. Staff notified dispatch centers via email and phone.

V. MEMBERSHIP & PARTICIPANT ACQUISITION
Mr. John Voorhees, Executive Director

The Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) submitted an application for membership as a Public Safety Services Participant. They are currently an interoperability participant, but would like to have their own fleetmap and increase their interoperability with agencies in the County.

Motion: Chief Chappell makes a motion to forward the ATF's application for membership to the Board of Directors for approval. Motion is seconded by Chief Woolridge and carries unanimously.

VI. PCWIN BUSINESS PLAN
Mr. John Voorhees, Executive Director

Mr. Voorhees states that Mr. Casella requested a summary of revisions before proceeding with a review of the PCWIN Business Plan. A summary of revisions could not be prepared in time for this meeting and the item could not be removed from agenda as it had already been submitted to the Clerk of the Board.

Mr. Casella comments that this is a governance document that guides PCWIN. Usually, documents with major revisions are accompanied by a summary of those revisions including dates, and he would like to see that summary before proceeding with review and approval.

Mr. Casella recommends that the Committee wait for a revision summary document, and that this agenda item be moved to the September Executive Committee agenda. Chief Johnson concurs.

Motion: Mr. Casella makes a motion to table the review of the PCWIN Business Plan draft pending the submittal of a revision summary. Motion is seconded by Chief Johnson and carries unanimously.

VII. NETWORK BACKHAUL UPGRADE
Mr. Anthony Casella, Pima County ITD

Mr. Casella reminds the Committee that PCWIN runs on both the County and City network backhaul. As discussed at previous meetings, several components of the network backhaul are reaching end-of-life and/or end-of-service.

Pima County and City of Tucson Information Technology Departments have been working in conjunction to design a network upgrade that will be Internet Protocol (IP) based. Both departments have initiatives underway to upgrade their respective parts of the network, and Pima County has already received \$500K of equipment for the upgrade. The goal is to start the upgrade this fiscal year.

Mr. Casella reminds Members that the Infrastructure Replacement Fund (IRF) was established last year by the PCWIN Executive Committee and Board of Directors to help pay for these upgrades. However, the County and City have agreed that they will fund the network upgrade. This will free up the IRF for PCWIN to use for other capital expenses.

County and City network infrastructure has been documented and validated. Staff is now determining how to convert current network equipment to IP technology to make it compatible

The immediate goal is to develop a schedule and look at timing. Staff will work with Motorola and PCWIN to ensure that network upgrades do not interfere with PCWIN upgrades.

Lastly, the County will lease the new network equipment, which provides for life-cycle replacement and more predictable costs.

Discussion and Comments:

Mr. Herring points out that T1 connections will be replaced with new fiber connections using a different path. This will allow for testing of the new system with no disruptions to the current system.

The new system will be more reliable. Under the current SONET technology, connectivity can be lost if two links are broken. The new design, with a few exceptions, will have more redundancy by providing more paths back to the hub (PECOC).

In addition, some microwave links will be replaced with fiber connections. Microwave works well but is vulnerable to environmental conditions.

Mr. Casella adds that as the network continues to expand, agencies will have the opportunity to utilize the network for additional capabilities.

Mr. Voorhees asks if fiber will bolster the microwaves or replace them. Mr. Herring responds that the microwaves would not be taken down.

Mr. Voorhees points out that there are a couple of things that will need to be considered. One is the IGA between the City of Tucson and Pima County for network maintenance as it pertains to PCWIN (SONET boxes, CTM and staff hours). This will need to be renegotiated when the new network is in place.

Also, the cost of operations and maintenance will need to be considered. There is still some discussion on how PCWIN will relate to PCITD regarding the network. At present, PCWIN pays for two network engineers, but if ITD provides all site maintenance and backhaul support, there may be additional costs.

VIII. PCWIN SITE SECURITY CAMERA PROJECT UPDATE
Mr. Anthony Casella, Pima County ITD

Mr. Casella reports that security cameras have been installed at seven sites: Beacon Hill, Eagle's Nest, Marana Library, Oro Valley Police Department, Pascua Yaqui, Tumamoc Hill, and Walker. The remaining sites should be complete by the beginning of September 2016.

IX. AGENDA ITEMS FOR FUTURE BOARD OF DIRECTORS MEETINGS
Committee

Remove PCWIN Business Plan from draft agenda.

X. NEW BUSINESS
Committee

Mr. Casella requests that Interoperability Subcommittee Update be added to the agenda.

XI. CALL TO THE PUBLIC
Mr. Anthony Casella, Pima County ITD

Mr. Casella asks if anyone in the audience would like to address the Committee. No one appears.

XII. DATE-TIME-LOCATION OF NEXT EXECUTIVE COMMITTEE MEETING

The next Executive Committee meeting is scheduled for Thursday, September 22, 2016. Meeting will convene at 9:00 a.m. at the Pima Emergency Operations Center, 3434 E. 22nd Street, Tucson, Conference Room 308.

XIII. ADJOURNMENT

Mr. Casella makes a motion to adjourn. Motion is seconded by Chief Chappell and carries unanimously.
9:45am

REVENUE / RECEIVABLE REPORT
FISCAL YEAR 2016-2017
as of August 31, 2016

EXTERNAL ACCOUNTS									
	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	AJO AMBULANCE	PCWIN Membership Fees- 1st Quarter (July - September 2016) 43 units @ \$33.00 each	05/18/16	\$ 4,257.00	07/28/16	\$ 4,257.00	07/01/16	1st	\$ -
Membership	AJO AMBULANCE	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 43 units @ \$33.00 each	08/16/16	\$ 4,257.00			10/01/16	2nd	\$ 4,257.00
Membership	AVRA VALLEY FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 4 units @ \$33.00 each	05/18/16	\$ 396.00	07/05/16	\$ 396.00	07/01/16	1st	\$ -
Membership	AVRA VALLEY FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 4 units @ \$33.00 each	08/16/16	\$ 396.00			10/01/16	2nd	\$ 396.00
Membership	CITY OF TUCSON-Police	PCWIN Membership Fees- Police 1st Quarter (July - September 2016) 2026 units @ \$33.00 each	05/18/16	\$ 200,574.00	07/11/16	\$ 200,574.00	07/01/16	1st	\$ -
Membership	CITY OF TUCSON-Police	PCWIN Membership Fees- Police 2nd Quarter (Oct - Dec 2016) 2026 units @ \$33.00 each	08/16/16	\$ 200,574.00			10/01/16	2nd	\$ 200,574.00
Membership	CITY OF TUCSON-Fire	PCWIN Membership Fees-Fire 1st Quarter (July - September 2016) 546 units @ \$33.00 each	05/18/16	\$ 54,054.00	07/11/16	\$ 54,054.00	07/01/16	1st	\$ -
Membership	CITY OF TUCSON-Fire	PCWIN Membership Fees-Fire 2nd Quarter (Oct - Dec 2016) 546 units @ \$33.00 each	08/16/16	\$ 54,054.00			10/01/16	2nd	\$ 54,054.00
Membership	CITY OF SOUTH TUCSON-Police	PCWIN Membership Fees- Police 1st Quarter (July - September 2016) 65 units @ \$33.00 each	05/18/16	\$ 6,435.00	07/25/16	\$ 6,435.00	07/01/16	1st	\$ -
Membership	CITY OF SOUTH TUCSON-Police	PCWIN Membership Fees- Police 2nd Quarter (Oct - Dec 2016) 65 units @ \$33.00 each	08/16/16	\$ 6,435.00			10/01/16	2nd	\$ 6,435.00
Membership	CITY OF SOUTH TUCSON-Fire	PCWIN Membership Fees- 1st Quarter (July - September 2016) 20 units @ \$33.00 each	05/18/16	\$ 1,980.00	07/25/16	\$ 1,980.00	07/01/16	1st	\$ -
Membership	CITY OF SOUTH TUCSON-Fire	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 20 units @ \$33.00 each	08/16/16	\$ 1,980.00			10/01/16	2nd	\$ 1,980.00
Membership	CORONA DE TUCSON FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 31 units @ \$33.00 each	05/18/16	\$ 3,069.00	07/27/16	\$ 3,069.00	07/01/16	1st	\$ -
Membership	CORONA DE TUCSON FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 31 units @ \$33.00 each	08/16/16	\$ 3,069.00	08/30/16	\$ 3,069.00	10/01/16	2nd	\$ -
Membership	DREXEL HEIGHTS FIRE DEPARTMENT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 89 units @ \$33.00 each	05/18/16	\$ 8,811.00	07/05/16	\$ 8,811.00	07/01/16	1st	\$ -

	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	DREXEL HEIGHTS FIRE DEPARTMENT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 89 units @ \$33.00 each	08/16/16	\$ 8,811.00	08/29/16	\$ 8,811.00	10/01/16	2nd	\$ -
Membership	GOLDER RANCH FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 93 units @ \$33.00 each	05/18/16	\$ 9,207.00	07/12/16	\$ 9,207.00	07/01/16	1st	\$ -
Membership	GOLDER RANCH FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 93 units @ \$33.00 each	08/16/16	\$ 9,207.00			10/01/16	2nd	\$ 9,207.00
Membership	GREEN VALLEY FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 107 units @ \$33.00 each	05/18/16	\$ 10,593.00	07/26/16	\$ 10,593.00	07/01/16	1st	\$ -
Membership	GREEN VALLEY FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 107 units @ \$33.00 each	08/16/16	\$ 10,593.00	08/24/16	\$ 10,494.00	10/01/16	2nd	\$ 99.00
Membership	GREEN VALLEY FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) Over Payment	08/16/16	\$ -	08/24/16	\$ 99.00	10/01/16	2nd	\$ (99.00)
Membership	MOUNTAIN VISTA FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 33 units @ \$33.00 each	05/18/16	\$ 3,267.00	07/27/16	\$ 3,267.00	07/01/16	1st	\$ -
Membership	MOUNTAIN VISTA FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 33 units @ \$33.00 each	08/16/16	\$ 3,267.00	08/30/16	\$ 3,267.00	10/01/16	2nd	\$ -
Membership	NORTHWEST FIRE/RESCUE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 110 units @ \$33.00 each	05/18/16	\$ 10,890.00	07/28/16	\$ 10,890.00	07/01/16	1st	\$ -
Membership	NORTHWEST FIRE/RESCUE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 110 units @ \$33.00 each	08/16/16	\$ 10,890.00			10/01/16	2nd	\$ 10,890.00
Membership	NORTHWEST MEDICAL CENTER LLC	PCWIN Membership Fees- 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00	07/28/16	\$ 99.00	07/01/16	1st	\$ -
Membership	NORTHWEST MEDICAL CENTER LLC	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00
Membership	NORTHWEST MEDICAL CENTER LLC	PCWIN Membership Fees-Vail 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00	07/28/16	\$ 99.00	07/01/16	1st	\$ -
Membership	NORTHWEST MEDICAL CENTER LLC	PCWIN Membership Fees-Vail 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00
Membership	ORO VALLEY HOSPITAL	PCWIN Membership Fees- 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00	07/28/16	\$ 99.00	07/01/16	1st	\$ -
Membership	ORO VALLEY HOSPITAL	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00
Membership	PASCUA PUEBLO FIRE DEPARTMENT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 29 unit @ \$33.00 each	05/18/16	\$ 2,871.00	07/27/16	\$ 2,871.00	07/01/16	1st	\$ -
Membership	PASCUA PUEBLO FIRE DEPARTMENT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 29 unit @ \$33.00 each	08/16/16	\$ 2,871.00			10/01/16	2nd	\$ 2,871.00

	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	PASCUA YAQUI POLICE DEPARTMENT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 89 units @ \$33.00 each	05/18/16	\$ 8,811.00	07/27/16	\$ 8,811.00	07/01/16	1st	\$ -
Membership	PASCUA YAQUI POLICE DEPARTMENT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 103 units @ \$33.00 each	08/16/16	\$ 10,197.00			10/01/16	2nd	\$ 10,197.00
Membership	PICTURE ROCKS FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (Jul - Sept 2016) 2 units @ \$33.00 each	05/18/16	\$ 198.00	07/28/16	\$ 198.00	07/01/16	1st	\$ -
Membership	PICTURE ROCKS FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 2 units @ \$33.00 each	08/16/16	\$ 198.00			10/01/16	2nd	\$ 198.00
Membership	PIMA COUNTY COMMUNITY COLLEGE	PCWIN Membership Fees- 1st Quarter (July - September 2016) 91 units @ \$33.00 each	05/18/16	\$ 9,009.00	07/28/16	\$ 9,009.00	07/01/16	1st	\$ -
Membership	PIMA COUNTY COMMUNITY COLLEGE	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 91 units @ \$33.00 each	08/16/16	\$ 9,009.00			10/01/16	2nd	\$ 9,009.00
Membership	RINCON VALLEY FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 35 units @ \$33.00 each	05/18/16	\$ 3,465.00	07/28/16	\$ 3,465.00	07/01/16	1st	\$ -
Membership	RINCON VALLEY FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 35 units @ \$33.00 each	08/16/16	\$ 3,465.00	08/29/16	\$ 3,465.00	10/01/16	2nd	\$ -
Membership	RURAL METRO FIRE DEPT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 188 units @ \$33.00 each	05/18/16	\$ 18,612.00	07/27/16	\$ 18,612.00	07/01/16	1st	\$ -
Membership	RURAL METRO FIRE DEPT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 188 units @ \$33.00 each	08/16/16	\$ 18,612.00			10/01/16	2nd	\$ 18,612.00
Membership	SABINO VISTA FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (Jul- Sept 2016) 5 units @ \$33.00	05/18/16	\$ 495.00	07/25/16	\$ 495.00	07/01/16	1st	\$ -
Membership	SABINO VISTA FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 5 units @ \$33.00	08/16/16	\$ 495.00			10/01/16	2nd	\$ 495.00
Membership	ST. JOSEPH'S HOSPITAL	PCWIN Membership Fees- 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00	08/10/16	\$ 99.00	07/01/16	1st	\$ -
Membership	ST. JOSEPH'S HOSPITAL	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00
Membership	ST. MARY'S HOSPITAL	PCWIN Membership Fees- 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00	08/10/16	\$ 99.00	07/01/16	1st	\$ -
Membership	ST. MARY'S HOSPITAL	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00
Membership	Tanque Verde Valley Fire District	PCWIN Membership Fees- 1st Quarter (July - September 2016) 5 units @ \$33.00 each	05/18/16	\$ 495.00	07/26/16	\$ 495.00	07/01/16	1st	\$ -
Membership	Tanque Verde Valley Fire District	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 5 units @ \$33.00 each	08/16/16	\$ 495.00			10/01/16	2nd	\$ 495.00

	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	THREE POINTS FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 9 units @ \$33.00 each	05/18/16	\$ 891.00	07/28/16	\$ 891.00	07/01/16	1st	\$ -
Membership	THREE POINTS FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 9 units @ \$33.00 each	08/16/16	\$ 891.00			10/01/16	2nd	\$ 891.00
Membership	THE UNIVERSITY OF ARIZONA (RISK)	PCWIN Membership Fees- 1st Quarter (July - September 2016) 4 units @ \$33.00 each	05/18/16	\$ 396.00	07/28/16	\$ 396.00	07/01/16	1st	\$ -
Membership	THE UNIVERSITY OF ARIZONA (RISK)	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 4 units @ \$33.00 each	08/16/16	\$ 396.00			10/01/16	2nd	\$ 396.00
Membership	TOWN OF ORO VALLEY	PCWIN Membership Fees- 1st Quarter (July - September 2016) 237 units @ \$33.00 each	05/18/16	\$ 23,463.00	07/27/16	\$ 23,463.00	07/01/16	1st	\$ -
Membership	TOWN OF ORO VALLEY	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 241 units @ \$33.00 each	08/16/16	\$ 23,859.00			10/01/16	2nd	\$ 23,859.00
Membership	TOWN OF SAHUARITA	PCWIN Membership Fees- 1st Quarter (July - September 2016) 117 units @ \$33.00 each	05/18/16	\$ 11,583.00	07/28/16	\$ 11,583.00	07/01/16	1st	\$ -
Membership	TOWN OF SAHUARITA	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 117 units @ \$33.00 each	08/16/16	\$ 11,583.00			10/01/16	2nd	\$ 11,583.00
Membership	TUCSON COUNTRY CLUB ESTATES FIRE DISTRICT	PCWIN Membership Fees- 1st Quarter (July - September 2016) 5 units @ \$33.00 each	05/18/16	\$ 495.00	07/26/16	\$ 495.00	07/01/16	1st	\$ -
Membership	TUCSON COUNTRY CLUB ESTATES FIRE DISTRICT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 5 units @ \$33.00 each	08/16/16	\$ 495.00	08/23/16	\$ 495.00	10/01/16	2nd	\$ -
Membership	TUCSON MEDICAL CENTER	PCWIN Membership Fees- 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00	07/27/16	\$ 99.00	07/01/16	1st	\$ -
Membership	TUCSON MEDICAL CENTER	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00
Membership	UNIVERSITY MEDICAL CENTER- University Campus	PCWIN Membership Fees- University Campus 1st Quarter (July - September 2016) 3 unit @ \$33.00 each	05/18/16	\$ 297.00	07/22/16	\$ 297.00	07/01/16	1st	\$ -
Membership	UNIVERSITY MEDICAL CENTER- University Campus	PCWIN Membership Fees- University Campus 2nd Quarter (Oct - Dec 2016) 3 unit @ \$33.00 each	08/16/16	\$ 297.00			10/01/16	2nd	\$ 297.00
Membership	UNIVERSITY MEDICAL CENTER-South Campus	PCWIN Membership Fees- South Campus 1st Quarter (July - September 2016) 1 unit @ \$33.00 each	05/18/16	\$ 99.00			07/01/16	1st	\$ 99.00
Membership	UNIVERSITY MEDICAL CENTER-South Campus	PCWIN Membership Fees- South Campus 2nd Quarter (Oct - Dec 2016) 1 unit @ \$33.00 each	08/16/16	\$ 99.00			10/01/16	2nd	\$ 99.00

	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	UNIVERSITY MEDICAL CENTER- Emergency Medical Services	PCWIN Membership Fees-Emergency Medical Services 1st Quarter (July - September 2016) 2 unit @ \$33.00 each	05/18/16	\$ 198.00			07/01/16	1st	\$ 198.00
Membership	UNIVERSITY MEDICAL CENTER- Emergency Medical Services	PCWIN Membership Fees-Emergency Medical Services 2nd Quarter (Oct - Dec 2016) 2 unit @ \$33.00 each	08/16/16	\$ 198.00			10/01/16	2nd	\$ 198.00
Membership	UNIVERSITY OF ARIZONA POLICE DEPARTMENT	PCWIN Membership Fees- 1st Quarter (Jul - Sept 2016) 164 units @ \$33.00 each	05/18/16	\$ 16,236.00	07/22/16	\$ 16,236.00	07/01/16	1st	\$ -
Membership	UNIVERSITY OF ARIZONA POLICE DEPARTMENT	PCWIN Membership Fees- 2nd Quarter (Oct - Dec 2016) 164 units @ \$33.00 each	08/16/16	\$ 16,236.00			10/01/16	2nd	\$ 16,236.00
		Sub-Total		\$ 825,264.00		\$ 441,144.00			\$ 384,120.00
PIMA COUNTY									
Membership	Constables	PCWIN Membership Fees- Constables 1st Quarter (Jul - Sept 2016) 17 units	07/01/16	\$ 1,683.00	07/01/16	\$ 1,683.00	07/01/16	1st	\$ -
Membership	Fleet Services	PCWIN Membership Fees- Fleet Service 1st Quarter (Jul - Sept 2016) 18 units	07/01/16	\$ 1,782.00	07/01/16	\$ 1,782.00	07/01/16	1st	\$ -
Membership	Justice Courts-Tucson	PCWIN Membership Fees- Justice Courts 1st Quarter (Jul - Sept 2016) 13 units	07/01/16	\$ 1,287.00	07/01/16	\$ 1,287.00	07/01/16	1st	\$ -
Membership	Pima County Adult Probation	PCWIN Membership Fees- Adult Probation 1st Quarter (Jul - Sept 2016) 165 Units	07/01/16	\$ 16,335.00	07/01/16	\$ 16,335.00	07/01/16	1st	\$ -
Membership	Pima County Animal Care	PCWIN Membership Fees- Animal Care 1st Quarter (Jul - Sept 2016) 35 Units	07/01/16	\$ 3,465.00	07/01/16	\$ 3,465.00	07/01/16	1st	\$ -
Membership	Pima County Attorney's Office	PCWIN Membership Fees- Attorney's Office 1st Quarter (Jul - Sept 2016) 60 Units	07/01/16	\$ 5,940.00	07/01/16	\$ 5,940.00	07/01/16	1st	\$ -
Membership	Pima County Building Security	PCWIN Membership Fees- Building Security 1st Quarter (Jul - Sept 2016) 20 Units	07/01/16	\$ 1,980.00	07/01/16	\$ 1,980.00	07/01/16	1st	\$ -
Membership	Pima County Department of Transportation	PCWIN Membership Fees- Dept of Transportation 1st Quarter (Jul - Sept 2016) 216 Units	07/01/16	\$ 21,384.00	07/01/16	\$ 21,384.00	07/01/16	1st	\$ -
Membership	Pima County Health Department	PCWIN Membership Fees- Health Departments 1st Quarter (Jul - Sept 2016) 30 Units	07/01/16	\$ 2,970.00	07/01/16	\$ 2,970.00	07/01/16	1st	\$ -

	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	Pima County Justice Courts	PCWIN Membership Fees- Justice Courts 1st Quarter (Jul - Sept 2016) 2 Units	07/01/16	\$ 198.00	07/01/16	\$ 198.00	07/01/16	1st	\$ -
Membership	Pima County Juvenile Court Center	PCWIN Membership Fees- Juvenile Court 1st Quarter (Jul - Sept 2016) 252 unit	07/01/16	\$ 24,948.00	07/01/16	\$ 24,948.00	07/01/16	1st	\$ -
Membership	Pima County Office of Emergency Management	PCWIN Membership Fees Pima County OEM 1st Quarter (Jul - Sept 2016) 43 units	07/01/16	\$ 4,257.00	07/01/16	\$ 4,257.00	07/01/16	1st	\$ -
Membership	Pima County Office of the Medical Examiner	PCWIN Membership Fees- 1st Quarter (Jul - Sept 2016) 6 units	07/01/16	\$ 594.00	07/01/16	\$ 594.00	07/01/16	1st	\$ -
Membership	Pima County Sheriff's Department	PCWIN Membership Fees- Pima County Sheriff's Dept 1st Quarter (Jul - Sept 2016) 1913 units	07/01/16	\$ 189,387.00	07/01/16	\$ 189,387.00	07/01/16	1st	\$ -
Membership	Pima County Superior Courts	PCWIN Membership Fees- Superior Courts 1st Quarter (Jul - Sept 2016) 3 units	07/01/16	\$ 297.00	07/01/16	\$ 297.00	07/01/16	1st	\$ -
Membership	Pima County Waste Water Management	PCWIN Membership Fees- Waste Water Treatment - GV 1st Quarter (Jul - Sept 2016) 248 units	07/01/16	\$ 24,552.00	07/01/16	\$ 24,552.00	07/01/16	1st	\$ -
Membership	Superintendent of Schools	PCWIN Membership Fees- Superintendent of Schools 1st Quarter (Jul - Sept 2016) 5 units	07/01/16	\$ 495.00	07/01/16	\$ 495.00	07/01/16	1st	\$ -
		Sub-Total		\$ 301,554.00		\$ 301,554.00			\$ -

SPONSORED AGENCIES

Membership	Ajo Gibson Fire Department	PCWIN Membership Fees- Ajo/Gibson Volunteer Fire Dept 1st Quarter (Jul - Sept 2016) 20 Units	07/01/16	\$ 1,980.00	07/01/16	\$ 1,980.00	07/01/16	1st	\$ -
Membership	Arivaca Fire Department	PCWIN Membership Fees- Arivaca Fire Department 1st Quarter (Jul - Sept 2016) 27 Units	07/01/16	\$ 2,673.00	07/01/16	\$ 2,673.00	07/01/16	1st	\$ -
Membership	Elephant Head Fire Department	PCWIN Membership Fees- Elephant Head Volunteer FD 1st Quarter (Jul - Sept 2016) 26 Units	07/01/16	\$ 2,574.00	07/01/16	\$ 2,574.00	07/01/16	1st	\$ -
Membership	Helmet Peak Fire Department	PCWIN Membership Fees- Helmet Peak Fire Department 1st Quarter (Jul - Sept 2016) 24 Units	07/01/16	\$ 2,376.00	07/01/16	\$ 2,376.00	07/01/16	1st	\$ -
Membership	Mt. Lemmon Fire Department	PCWIN Membership Fees Mt. Lemmon Fire Department 1st Quarter (Jul - Sept 2016) 24 Units	07/01/16	\$ 2,376.00	07/01/16	\$ 2,376.00	07/01/16	1st	\$ -

	Legal Name	Description	Billed Date	Billed Amount	Collected Date	Collected Amount	Due Date	QTR	Outstanding
Membership	Why Fire Department	PCWIN Membership Fees Why Fire Department 1st Quarter (Jul - Sept 2016) 18 Units	07/01/16	\$ 1,782.00	07/01/16	\$ 1,782.00	07/01/16	1st	\$ -
		Sub-Total		\$ 13,761.00		\$ 13,761.00			\$ -

LEASE AGEEMENTS

Lease Agreements	GOLDER RANCH DRIVE	Jul through Sep License 1/2 Rent for the Tower located at 3885, E Golder Ranch Drive	07/01/16	\$ 1,599.65			07/01/16	1st	\$ 1,599.65
Lease Agreements	NEW CINGULAR WIRELESS PCS LLC	Cell Site # PHNXAZT936 Cell Site Name:RINCON VALLEY Fire Department July 2016	07/01/16	\$ 2,541.00	07/01/16	\$ 2,541.00	07/01/16	1st	\$ -
Lease Agreements	NEW CINGULAR WIRELESS PCS LLC	Cell Site # PHNXAZT936 Cell Site Name:RINCON VALLEY Fire Department August 2016	07/07/16	\$ 2,541.00	08/01/16	\$ 2,541.00	08/01/16	1st	\$ -
Lease Agreements	NEW CINGULAR WIRELESS PCS LLC	Cell Site # PHNXAZT936 Cell Site Name:RINCON VALLEY Fire Department September 2016	08/09/16	\$ 2,541.00			09/01/16	1st	\$ 2,541.00
Lease Agreements	TOWN OF ORO VALLEY	OVPD/AT&T July 2016 lease agreement Site: PHNXAZT948	07/01/16	\$ 1,365.92			07/01/16	1st	\$ 1,365.92
Lease Agreements	TOWN OF ORO VALLEY	OVPD/AT&T August 2016 lease agreement Site: PHNXAZT948	07/07/16	\$ 1,365.92	07/25/16	\$ 1,365.92	08/01/16	1st	\$ -
Lease Agreements	TOWN OF ORO VALLEY	OVPD/AT&T September 2016 lease agreement Site: PHNXAZT948	08/09/16	\$ 1,365.92			09/01/16	1st	\$ 1,365.92
		Sub-Total		\$ 13,320.41		\$ 6,447.92			\$ 6,872.49

External Accounts	\$ 825,264.00	\$ 441,144.00	\$ 384,120.00
Pima County Departments	\$ 301,554.00	\$ 301,554.00	\$ -
Sponsored Agencies	\$ 13,761.00	\$ 13,761.00	\$ -
Leased Agencies	\$ 13,320.41	\$ 6,447.92	\$ 6,872.49
Grand Total	\$ 1,153,899.41	\$ 762,906.92	\$ 390,992.49

DEPARTMENT INFORMATION PACKET

Wireless Integrated Network

FUND 2101

BUREAU B291

Period 2 Ending August 31, 2016

Wireless Integrated Network

FUND 2101

BUREAU B291

TABLE OF CONTENTS

1	MONTHLY FINANCIAL SUMMARY	EXHIBIT 1
2	MONTHLY BUDGET TO ACTUAL SUMMARY	EXHIBIT 2
3	MONTHLY BUREAU REVENUE FORECAST	EXHIBIT 3
4	MONTHLY BUREAU EXPENDITURE FORECAST	EXHIBIT 4

Wireless Integrated Network
Monthly Financial Summary
B291 WIN - Administration and Operations - Fund 2101
B265 IT Radio System - Fixed Network Equipment (Personnel Only) - Fund 2101
FOR PERIOD ENDING August 31, 2016

	FY16/17 YTD	FY16/17 Adopted Budget	FY16/17 Revised Budget	Forecast	Variance (Revised vs. Forecast)
Revenue	\$ 1,158,403	\$ 2,907,686	\$ 2,907,686	\$ 2,955,602	\$ 47,916
Expenditures					
Personnel Services*	194,927	1,149,569	1,171,334	1,184,951	(13,617)
Operating Expenditures	1,008,973	1,965,402	1,943,637	1,926,562	17,075
Capital Equipment	-	-	-	-	-
Total Expenditures	1,203,900	3,114,971	3,114,971	3,111,513	3,458
Operating Transfers In					
Operating Transfers In	-	-	-	-	-
Total Operating Transfers In	-	-	-	-	-
Operating Transfers Out					
Operating Transfers Out	-	-	-	-	-
Total Operating Transfers Out	-	-	-	-	-
Net Fund Impact	(45,497)	(207,285)	(207,285)	(155,911)	51,374

*Personnel Services is a combination of B291 and B265.

Wireless Integrated Network
Monthly Budget to Actual Summary
B291 WIN - Administration and Operations - Fund 2101
FOR PERIOD ENDING August 31, 2016

Expenditures by Unit	FY16/17 YTD	FY16/17 Adopted Budget	FY16/17 Revised Budget	% of Budget Spent	Target	Budget less YTD Actuals
<u>Unit 2552 - Administration and Operations</u>						
Personnel Services	\$ 161,500	\$ 265,028	\$ 979,510	16%	17%	\$ 818,010
Operating Expenditures	1,008,973	1,965,402	1,943,637	52%	17%	934,664
Capital Equipment >\$5,000	-	-	-	0%	0%	-
Unit 2552 Total	1,170,473	2,230,430	2,923,147	40%	17%	1,752,674
<u>Unit 2330 - Fixed Network Equipment - Radio System</u>						
Personnel Services	33,427	884,541	191,824	17%	17%	158,397
Operating Expenditures	-	-	-	0%	0%	-
Capital Equipment >\$5,000	-	-	-	0%	0%	-
Unit 2330 Total	33,427	884,541	191,824	17%	17%	158,397
<u>Wireless Integrated Network Fund 2101</u>						
Personnel Services	194,927	1,149,569	1,171,334	17%	17%	976,407
Operating Expenditures	1,008,973	1,965,402	1,943,637	52%	17%	934,664
Capital Equipment >\$5,000	-	-	-	0%	0%	-
Office of Emergency Management Department Total	\$1,203,900	\$ 3,114,971	\$ 3,114,971	39%	17%	\$ 1,911,071

Wireless Integrated Network
 Monthly Bureau Revenue Forecast
 B291 WIN - Administration and Operations - Fund 2101
 FOR PERIOD ENDING August 31, 2016

Revenue Source Code - Name	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	FY16/17 Adopted Budget	FY16/17 Revised Budget	Forecast	Variance (Revised vs. Forecast)
4200 - General Government Fees	1,675,956	\$425,502	\$413,523	\$ 839,025	\$ 5,034,150	\$1,629,936	\$ 1,629,936	\$1,677,852	\$ 47,916
4247 - Interdepartmental Revenue	1,206,711	301,554	-	301,554	1,809,324	1,206,216	1,206,216	1,206,216	-
4400 - Rent and Royalties	65,533	13,917	3,907	17,824	106,944	66,354	66,354	66,354	-
4407 - Int. Rev-Pooled Inv. - Operating	11,365	-	-	-	-	5,180	5,180	5,180	-
4415 - Late Fees and Interest Charges on Overdue Receivable	7	-	-	-	-	-	-	-	-
TOTAL REVENUES	\$ 2,959,572	\$740,973	\$417,430	\$1,158,403	\$ 6,950,418	\$2,907,686	\$ 2,907,686	\$2,955,602	\$ 47,916
6500 - Intrafund Transfer	(300,000)	-	-	-	-	-	-	-	-
TOTAL OPERATING TRANSFERS IN	(300,000)	-	-	-	-	-	-	-	-
TOTAL REVENUES AND OPERATING TRANSFERS IN	\$ 2,659,572	\$740,973	\$417,430	\$1,158,403	\$ 6,950,418	\$2,907,686	\$ 2,907,686	\$2,955,602	\$ 47,916

Wireless Integrated Network
 Monthly Bureau Expenditure Forecast
 B291 WIN - Administration and Operations - Fund 2101
 FOR PERIOD ENDING August 31, 2016

Object Codes	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	Encumbrances	FY16/17 YTD Obligations	FY16/17 Adopted Budget	FY16/17 Revised Budget	Variance (Revised vs. YTD)	Forecast	Variance (Revised vs. Forecast)
Personnel Services												
5400 - Salaries & Wages	\$ 160,205	\$ 54,666	\$ 59,872	\$ 114,539	\$ 687,231	\$ -	\$ 114,539	\$ 159,203	\$ 697,397	\$ 582,858	\$ 704,447	\$ (7,050)
5409 - Social Security & Medicare	11,873	4,118	4,510	8,627	51,765	-	8,627	11,887	49,735	41,108	51,371	(1,636)
5410 - Unemployment Insurance	159	40	47	87	520	-	87	121	499	412	516	(17)
5411 - Health Insurance Premiums	10,383	11,385	5,876	17,260	103,562	-	17,260	11,951	82,784	65,524	83,003	(219)
5412 - Workers Compensation	360	132	144	276	1,656	-	276	373	1,652	1,376	1,643	9
5413 - Life Insurance	64	32	30	62	371	-	62	68	344	282	369	(25)
5416 - Arizona State Retirement	17,944	6,277	6,873	13,150	78,901	-	13,150	17,838	75,637	62,487	78,301	(2,664)
5422 - Dental Insurance Premiums	47	91	84	175	1,047	-	175	49	299	124	1,039	(740)
5423 - Interdepartmental Salaries - Charged out	-	(206)	(38)	(244)	(1,462)	-	(244)	-	-	244	-	-
5424 - Interdepartmental Salaries - Charged in	24,211	2,395	2,527	4,922	29,532	-	4,922	45,543	45,543	40,621	45,543	-
5425 - Interdepartmental Fringe - Charged out	-	(156)	(13)	(169)	(1,013)	-	(169)	-	-	169	-	-
5426 - Interdepartmental Fringe - Charged in	11,365	1,919	947	2,866	17,194	-	2,866	17,252	17,252	14,386	17,252	-
5427 - Intra departmental Fringe - Charged out	-	-	(13)	(13)	(78)	-	(13)	-	(18,192)	(18,179)	(18,192)	-
5428 - Intra departmental Fringe - Charged in	296	15	(15)	-	-	-	-	-	20,477	20,477	20,477	-
5429 - Intra departmental Salaries - Charged out	-	-	(38)	(38)	(226)	-	(38)	-	(61,026)	(60,988)	(61,026)	-
5430 - Intra departmental Salaries - Charged in	1,694	86	(86)	-	-	-	-	-	62,822	62,822	62,822	-
5431 - Budgeted Benefits	-	-	-	-	-	-	-	743	4,287	4,287	-	4,287
TOTAL PERSONNEL SERVICES	238,602	80,794	80,706	161,500	968,999	-	161,500	265,028	979,510	818,010	987,565	(8,055)
Operating Expenses												
5000 - Office Supplies	5,113	-	183	183	1,097	-	183	5,000	4,000	3,817	4,000	-
5001 - Software Under \$100,000	-	-	1,092	1,092	6,551	-	1,092	-	-	(1,092)	1,092	(1,092)
5002 - Computer Equipment less than \$1,000	132	-	-	-	-	671	671	-	-	-	-	-
5003 - Food Supplies	-	-	-	-	-	-	-	500	500	500	500	-
5006 - Medical & Lab Supplies	56	-	-	-	-	-	-	-	-	-	-	-
5007 - Fuel & Oil	-	-	-	-	-	-	-	1,000	1,000	1,000	1,000	-
5008 - Books, Subscriptions, & Videos	-	-	-	-	-	-	-	1,500	500	500	500	-
5010 - Repair & Maintenance Supplies	86,329	-	16,135	16,135	96,809	6,055	22,190	115,001	100,001	83,866	100,001	-
5013 - Janitorial Supplies	-	-	58	58	345	-	58	-	-	(58)	58	(58)
5014 - Clothing, Uniforms, & Safety Apparel	-	-	-	-	-	1,751	1,751	-	-	-	1,751	(1,751)
5018 - Other Operation Supplies	225	-	-	-	-	-	-	3,765	2,000	2,000	2,000	-
5020 - Tools & Equip Under \$1,000	511	-	-	-	-	-	-	5,000	3,500	3,500	3,500	-
5021 - Furniture Under \$1,000	863	-	-	-	-	-	-	-	-	-	-	-
5121 - Accounting and Auditing Services	4,000	-	3,000	3,000	18,000	6,000	9,000	12,000	12,000	9,000	12,000	-
5125 - Software Maintenance and Support	29,272	5,383	-	5,383	32,300	30,204	35,587	35,000	35,000	29,617	35,000	-
5138 - In State Training	390	-	-	-	-	-	-	5,000	5,000	5,000	5,000	-
5139 - Out of State Training	666	-	-	-	-	-	-	-	-	-	-	-
5140 - In State Travel	895	-	-	-	-	-	-	250	250	250	250	-
5141 - Out of State Travel	2,118	-	-	-	-	-	-	4,170	2,670	2,670	2,670	-

Wireless Integrated Network
 Monthly Bureau Expenditure Forecast
 B291 WIN - Administration and Operations - Fund 2101
 FOR PERIOD ENDING August 31, 2016

Object Codes	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	Encumbrances	FY16/17 YTD Obligations	FY16/17 Adopted Budget	FY16/17 Revised Budget	Variance (Revised vs. YTD)	Forecast	Variance (Revised vs. Forecast)
5142 - Postage & Freight	554	-	13	13	78	-	13	2,200	2,200	2,187	2,200	-
5143 - Printing & Microfilming	128	-	-	-	-	-	-	1,000	1,000	1,000	1,000	-
5147 - Leases & Rentals - Real Estate - Internal	46,551	4,083	4,083	8,165	48,992	-	8,165	-	48,992	40,827	48,992	-
5148 - Leases & Rentals - Real Estate - External	57,059	2,319	4,809	7,128	42,768	60,465	67,593	114,613	65,621	58,493	65,621	-
5149 - R&M Machinery & Equipment Svcs	1,090,052	134	903,673	903,807	5,422,840	260,000	1,163,807	1,201,223	1,201,223	297,416	1,185,223	16,000
5150 - R&M Building Services	75	-	-	-	-	-	-	-	-	-	-	-
5152 - Other Professional Services	293	-	-	-	-	-	-	-	-	-	-	-
5162 - Advertising	-	-	-	-	-	-	-	1,000	1,000	1,000	1,000	-
5203 - Interdepartmental Supplies & Services - Charged in	7,118	659	803	1,462	8,772	-	1,462	10,850	10,850	9,388	10,850	-
5206 - County Administrative Overhead	156,583	17,333	17,333	34,667	207,999	-	34,667	207,999	207,999	173,333	207,999	-
5300 - Telephone & Internet	50,434	2,284	2,482	4,765	28,591	153	4,918	77,118	77,118	72,353	77,118	-
5301 - Electricity	45,794	2,580	4,232	6,812	40,873	-	6,812	55,517	55,517	48,705	55,517	-
5306 - Motor Pool Charges	48,438	4,264	4,568	8,832	52,993	-	8,832	57,865	57,865	49,033	52,465	5,400
5309 - Dues and Memberships	-	-	-	-	-	-	-	1,000	1,000	1,000	1,000	-
5312 - Other Miscellaneous Charges	840	-	140	140	840	-	140	840	840	700	840	-
5351 - Computer Hardware - ISF Charges	18,612	1,679	1,679	3,358	20,148	-	3,358	20,148	20,148	16,790	20,148	-
5352 - Server and Storage - ISF Charges	-	1,419	1,419	2,838	17,028	-	2,838	17,033	17,033	14,195	17,033	-
5353 - Software - ISF Charges	5,460	568	568	1,136	6,816	-	1,136	6,810	6,810	5,674	6,810	-
5504 - Office Machines & Computers - Non-Capital	-	-	-	-	-	2,425	2,425	1,000	1,000	1,000	2,425	(1,425)
5508 - Other Machines & Equipment - Non-Capital	23,056	-	-	-	-	-	-	1,000	1,000	1,000	1,000	-
5654 - Inventory Adjustment	863	-	-	-	-	-	-	-	-	-	-	-
TOTAL OPERATING EXPENDITURES	1,682,479	42,706	966,268	1,008,973	6,053,839	367,724	1,376,697	1,965,402	1,943,637	934,664	1,926,562	17,075
Capital Equipment >\$5,000												
5564 - Other Machines & Equipment - Capital	11,194	-	-	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL EXPENDITURES	11,194	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL EXPENDITURES	\$ 1,932,274	\$ 123,499	\$ 1,046,974	\$ 1,170,473	\$ 7,022,838	\$ 367,724	\$ 1,538,197	\$ 2,230,430	\$ 2,923,147	\$ 1,752,674	\$ 2,914,127	\$ 9,020
Transfers Out												
Contra Assets												
Depreciation												
TOTAL EXPENDITURES AND OPERATING TRANSFERS OUT	\$ 1,932,274	\$ 123,499	\$ 1,046,974	\$ 1,170,473	\$ 7,022,838	\$ 367,724	\$ 1,538,197	\$ 2,230,430	\$ 2,923,147	\$ 1,752,674	\$ 2,914,127	\$ 9,020

Information Technology
 Monthly Bureau Expenditure Forecast
 B265 Radio System - Fixed Network Equipment
 FOR PERIOD ENDING August 31, 2016

Object Codes	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	Encumbrances	FY16/17 YTD Obligations	FY16/17 Adopted Budget	FY16/17 Revised Budget	Forecast	Variance (Revised vs. Forecast)
Personnel Services											
5400 - Salaries & Wages	\$ 622,305	\$ 11,401	\$ 12,487	\$ 23,888	\$ 143,328	\$ -	\$ 23,888	\$ 661,130	\$ 141,157	\$ 145,339	\$ (4,182)
5409 - Social Security & Medicare	47,456	845	928	1,774	10,642	-	1,774	50,576	12,728	13,059	(331)
5410 - Unemployment Insurance	642	8	10	18	108	-	18	515	137	137	-
5411 - Health Insurance Premiums	72,041	3,259	1,618	4,877	29,261	-	4,877	88,835	18,002	18,554	(552)
5412 - Workers Compensation	1,450	28	30	58	345	-	58	1,587	308	359	(51)
5413 - Life Insurance	301	6	6	12	74	-	12	340	64	74	(10)
5416 - Arizona State Retirement	71,920	1,309	1,434	2,743	16,456	-	2,743	75,898	18,099	18,582	(483)
5422 - Dental Insurance Premiums	543	30	28	58	349	-	58	560	310	349	(39)
5424 - Interdepartmental Salaries - Charged in	-	-	-	-	-	-	-	-	-	-	-
5427 - Intra departmental Fringe - Charged out	(13,632)	-	-	-	-	-	-	(22,740)	(4,548)	(4,548)	-
5428 - Intra departmental Fringe - Charged in	-	-	-	-	-	-	-	25,596	5,119	5,119	-
5429 - Intra departmental Salaries - Charged out	(50,255)	-	-	-	-	-	-	(76,283)	(15,257)	(15,257)	-
5430 - Intra departmental Salaries - Charged in	-	-	-	-	-	-	-	78,527	15,705	15,605	100
5441 - Vacation Payout	3,582	-	-	-	-	-	-	-	-	-	-
TOTAL PERSONNEL SERVICES	756,352	16,887	16,541	33,427	200,564	-	33,427	884,541	191,824	197,372	(5,548)
Operating Expenses											
TOTAL OPERATING EXPENDITURES	-	-	-	-	-	-	-	-	-	-	-
Capital Equipment >\$5,000											
TOTAL CAPITAL EXPENDITURES	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL EXPENDITURES	\$ 756,352	\$ 16,887	\$ 16,541	\$ 33,427	\$ 200,564	\$ -	\$ 33,427	\$ 884,541	\$ 191,824	\$ 197,372	\$ (5,548)

DEPARTMENT INFORMATION PACKET

Wireless Integrated Network

FUND 6014

BUREAU B298

Period 2 Ending August 31, 2016

Wireless Integrated Network

FUND 6014

BUREAU B298

TABLE OF CONTENTS

1	MONTHLY FINANCIAL SUMMARY	EXHIBIT 1
2	MONTHLY BUDGET TO ACTUAL SUMMARY	EXHIBIT 2
3	MONTHLY BUREAU REVENUE FORECAST	EXHIBIT 3
4	MONTHLY BUREAU EXPENDITURE FORECAST	EXHIBIT 4

Wireless Integrated Network
 Monthly Financial Summary
 B298 WIN -Subscriber Services - Fund 6014
 FOR PERIOD ENDING August 31, 2016

	FY16/17 YTD	FY16/17 Adopted Budget	FY16/17 Revised Budget	Forecast	Variance (Revised vs. Forecast)
Revenue	\$ 5,272	\$ -	\$ 496,144	\$ 439,922	\$ (56,222)
Expenditures					
Personnel Services	28,915	-	126,384	232,931	(106,547)
Operating Expenditures	28,270	-	116,076	116,395	(319)
Capital Equipment	-	-	-	-	-
Depreciation	-	-	7,976	7,976	-
Total Expenditures	57,185	-	250,436	357,302	(106,866)
Operating Transfers In					
Operating Transfers In	-	-	-	-	-
Total Operating Transfers In	-	-	-	-	-
Operating Transfers Out					
Operating Transfers Out	-	-	-	-	-
Total Operating Transfers Out	-	-	-	-	-
Net Fund Impact	(51,913)	-	245,708	82,620	(163,088)

**Wireless Integrated Network
 Monthly Budget to Actual Summary
 B298 WIN -Subscriber Services - Fund 6014
 FOR PERIOD ENDING August 31, 2016**

Expenditures by Unit	FY16/17 YTD	FY16/17 Adopted Budget	FY16/17 Revised Budget	% of Budget Spent	Target	Budget less YTD Actuals
Unit 2658 - WIN - Subscriber Services						
Personnel Services	\$ 28,915	\$ -	\$ 126,384	23%	17%	\$ 97,469
Operating Expenditures	28,270	-	116,076	24%	17%	87,806
Capital Equipment >\$5,000	-	-	-	0%	0%	-
Unit 2658 Total	57,185	-	242,460	24%	17%	185,275
Wireless Integrated Network Fund 6014						
Personnel Services	28,915	-	126,384	23%	17%	97,469
Operating Expenditures	28,270	-	116,076	24%	17%	87,806
Capital Equipment >\$5,000	-	-	-	0%	0%	-
Subscriber Services Total	\$ 57,185	\$ -	\$ 242,460	24%	17%	\$ 185,275

Wireless Integrated Network
 Monthly Bureau Revenue Forecast
 B298 WIN -Subscriber Services - Fund 6014
 FOR PERIOD ENDING August 31, 2016

Revenue Source Code - Name	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	FY16/17 Adopted Budget	FY16/17 Revised Budget	Forecast	Variance (Revised vs. Forecast)
4200 - General Government Fees	\$ 81,917	\$ -	\$ 4,251	\$ 4,251	\$ 25,506	\$ -	\$ 23,616	23,616	\$ -
4247 - Interdepartmental Revenue	315,312	-	1,021	1,021	6,127	-	323,388	323,388	-
4404 - Other Misc Revenue - Operating	500	-	-	-	-	-	-	-	-
4408 - Int. Rev-Pooled Inv. - Non-Operating	864	-	-	-	-	-	2,400	2,400	-
4412 - Other Misc Revenue - Non-Operating	17,965	-	-	-	-	-	145,440	89,218	(56,222)
4415 - Late Fees and Interest Charges on Overdue Receivable	-	-	-	-	-	-	1,300	1,300	-
TOTAL REVENUES	\$ 416,558	\$ -	\$ 5,272	\$ 5,272	\$ 31,633	\$ -	\$ 496,144	\$ 439,922	\$ (56,222)
TOTAL REVENUES AND OPERATING TRANSFERS IN	\$ 416,558	\$ -	\$ 5,272	\$ 5,272	\$ 31,633	\$ -	\$ 496,144	\$ 439,922	\$ (56,222)

Wireless Integrated Network
 Monthly Bureau Expenditure Forecast
 B298 WIN -Subscriber Services - Fund 6014
 FOR PERIOD ENDING August 31, 2016

Object Codes	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	Encumbrances	FY16/17 YTD Obligations	FY16/17 Adopted Budget	FY16/17 Revised Budget	Variance (Revised vs. YTD)	Forecast	Variance (Revised vs. Forecast)
Personnel Services												
5400 - Salaries & Wages	\$ 115,148	\$ 10,289	\$ 11,268	\$ 21,557	\$ 129,341	\$ -	\$ 21,557	\$ -	\$ 132,835	\$ 111,278	131,729	\$ 1,106
5407 - Special Assignment Pay	-	-	-	-	-	-	-	-	88	88	-	88
5409 - Social Security & Medicare	8,974	775	850	1,625	9,752	-	1,625	-	9,865	8,240	9,688	177
5410 - Unemployment Insurance	122	8	9	16	98	-	16	-	100	84	97	3
5411 - Health Insurance Premiums	12,758	1,852	785	2,637	15,821	-	2,637	-	17,562	14,925	11,757	5,805
5412 - Workers Compensation	275	25	27	52	312	-	52	-	309	257	310	(1)
5413 - Life Insurance	59	6	6	12	74	-	12	-	68	56	74	(6)
5416 - Arizona State Retirement	13,737	1,181	1,294	2,475	14,850	-	2,475	-	14,804	12,329	14,753	51
5422 - Dental Insurance Premiums	249	9	9	18	109	-	18	-	315	297	108	207
5423 - Interdepartmental Salaries - Charged out	(5,497)	-	38	38	226	-	38	-	-	(38)	-	-
5424 - Interdepartmental Salaries - Charged in	1,731	44	-	44	264	-	44	-	18,750	18,706	1,904	16,846
5425 - Interdepartmental Fringe - Charged out	(1,398)	-	13	13	78	-	13	-	-	(13)	-	-
5426 - Interdepartmental Fringe - Charged in	765	15	-	15	89	-	15	-	6,250	6,235	842	5,408
5427 - Intra departmental Fringe - Charged out	(1,940)	-	-	-	-	-	-	-	(25,596)	(25,596)	(3,879)	(21,717)
5428 - Intra departmental Fringe - Charged in	15,790	156	13	169	1,013	-	169	-	1,854	1,685	18,192	(16,338)
5429 - Intra departmental Salaries - Charged out	(6,835)	-	-	-	-	-	-	-	(78,527)	(78,527)	(13,670)	(64,857)
5430 - Intra departmental Salaries - Charged in	58,223	206	38	244	1,462	-	244	-	26,951	26,707	61,026	(34,075)
5431 - Budgeted Benefits	-	-	-	-	-	-	-	-	756	756	-	756
5454 - NPL Related Pension Expense	(4,010)	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERSONNEL SERVICES	208,151	14,566	14,349	28,915	173,489	-	28,915	-	126,384	97,469	232,931	(106,547)
Operating Expenses												
5000 - Office Supplies	447	-	-	-	-	-	-	-	200	200	200	-
5001 - Software Under \$100,000	-	-	-	-	-	-	-	-	200	200	500	(300)
5010 - Repair & Maintenance Supplies	22,899	-	16,638	16,638	99,828	437	17,075	-	13,500	(3,138)	22,682	(9,182)
5018 - Other Operation Supplies	-	-	-	-	-	-	-	-	1,000	1,000	1,000	-
5020 - Tools & Equip Under \$1,000	511	-	-	-	-	-	-	-	19,075	19,075	19,075	-
5138 - In State Training	1,805	-	-	-	-	-	-	-	-	-	-	-
5142 - Postage & Freight	695	-	268	268	1,610	-	268	-	1,812	1,544	1,812	-
5145 - Security	170	-	-	-	-	-	-	-	-	-	-	-
5147 - Leases & Rentals - Real Estate - Internal	6,092	152	152	304	1,825	-	304	-	1,825	1,521	1,825	-
5149 - R&M Machinery & Equipment Svcs	871	-	178	178	1,069	-	178	-	-	(178)	178	(178)
5160 - Banking Credit Card Fees and Charges	19	-	1	1	7	-	1	-	-	(1)	20	(20)

Wireless Integrated Network
 Monthly Bureau Expenditure Forecast
 B298 WIN -Subscriber Services - Fund 6014
 FOR PERIOD ENDING August 31, 2016

Object Codes	FY15/16 Actuals	July	Aug	FY16/17 YTD	FY16/17 Straightline Projection	Encumbrances	FY16/17 YTD Obligations	FY16/17 Adopted Budget	FY16/17 Revised Budget	Variance (Revised vs. YTD)	Forecast	Variance (Revised vs. Forecast)
5203 - Interdepartmental Supplies & Services - Charged in	46	-	-	-	-	-	-	-	-	-	-	-
5205 - Departmental Overhead - Charged in	-	-	-	-	-	-	-	-	-	-	-	-
5206 - County Administrative Overhead	-	5,074	5,074	10,148	60,886	-	10,148	-	60,886	50,738	60,886	-
5300 - Telephone & Internet	4,944	355	51	406	2,436	-	406	-	4,296	3,890	4,296	-
5305 - Mileage Reimbursement	21	-	-	-	-	-	-	-	-	-	-	-
5306 - Motor Pool Charges	6,898	-	-	-	-	-	-	-	9,361	9,361	-	9,361
5312 - Other Miscellaneous Charges	6,494	-	-	-	-	-	-	-	-	-	-	-
5351 - Computer Hardware - ISF Charges	3,876	251	-	251	1,506	-	251	-	3,013	2,762	3,013	-
5352 - Server and Storage - ISF Charges	2,194	-	-	-	-	-	-	-	-	-	-	-
5353 - Software - ISF Charges	728	76	-	76	456	-	76	-	908	832	908	-
5508 - Other Machines & Equipment - Non-Capital	104	-	-	-	-	-	-	-	-	-	-	-
5652 - Inventory Clearing	17,402	-	-	-	-	-	-	-	-	-	-	-
TOTAL OPERATING EXPENDITURES	76,215	5,908	22,362	28,270	169,623	437	28,707	-	116,076	87,806	116,395	(319)
Capital Equipment >\$5,000												
SUB TOTAL EXPENDITURES	\$ 284,367	\$ 20,474	\$ 36,711	\$ 57,185	\$ 343,112	\$ 437	\$ 57,622	\$ -	\$ 242,460	\$ 185,275	\$ 349,326	\$ (106,866)
Transfers Out												
Contra Assets												
Depreciation												
5323 - Depreciation Expense	12,838	-	-	-	-	-	-	-	7,976	(7,976)	7,976	-
TOTAL DEPRECIATION	12,838	-	-	-	-	-	-	-	7,976	(7,976)	7,976	-
TOTAL EXPENDITURES AND OPERATING TRANSFERS OUT	\$ 297,205	\$ 20,474	\$ 36,711	\$ 57,185	\$ 343,112	\$ 437	\$ 57,622	\$ -	\$ 250,436	\$ 177,299	\$ 357,302	\$ (106,866)

Customer Aging as of 8/25/2016

Report ID

PC-FIN-AR-0008

PIMA COUNTY

COVER PAGE

Fund: 2101
Department: WIN
Wireless Integrated Network SRF

Wireless Integrated Network

Ajo Ambulance Inc

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000757	10/01/2016	\$4,257.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$4,257.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

AVRA VALLEY FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000758	10/01/2016	\$396.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$396.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

City of South Tucson

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000782	10/01/2016	\$6,435.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$6,435.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

CITY OF TUCSON

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000760	10/01/2016	\$54,054.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17000000000000000761	10/01/2016	\$200,574.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$254,628.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

CORONA DE TUCSON FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000762	10/01/2016	\$3,069.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$3,069.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

DREXEL HEIGHTS FIRE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000763	10/01/2016	\$8,811.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$8,811.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Golder Ranch Fire District

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
160000000000000006846	07/01/2016	\$1,599.65	\$0.00	\$1,599.65	\$0.00	\$0.00	\$0.00
17000000000000000764	10/01/2016	\$9,207.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$10,806.65	\$0.00	\$1,599.65	\$0.00	\$0.00	\$0.00

GREEN VALLEY FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000766	10/01/2016	\$10,494.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$10,494.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

MOUNTAIN VISTA FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000767	10/01/2016	\$3,267.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$3,267.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

NEW CINGULAR WIRELESS PCS LLC

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000657	09/01/2016	\$2,541.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$2,541.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

NORTHWEST FIRE/RESCUE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000769	10/01/2016	\$10,890.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$10,890.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

NORTHWEST MEDICAL CENTER LLC

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000768	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17000000000000000796	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$198.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

ORO VALLEY HOSPITAL

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000770	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PASCUA PUEBLO FIRE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000771	10/01/2016	\$2,871.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$2,871.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PASCUA YAQUI POLICE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000776	10/01/2016	\$10,197.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$10,197.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PICTURE ROCKS FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000777	10/01/2016	\$198.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$198.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Pima Community College

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000778	10/01/2016	\$9,009.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$9,009.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

RINCON VALLEY FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000779	10/01/2016	\$3,465.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$3,465.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

RURAL METRO FIRE DEPT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000780	10/01/2016	\$18,612.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$18,612.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SABINO VISTA FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
170000000000000000781	10/01/2016	\$495.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$495.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SOUTH TUCSON FIRE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000759	10/01/2016	\$1,980.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$1,980.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

ST. JOSEPH'S HOSPITAL

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000783	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

ST. MARY'S HOSPITAL

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000784	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Tanque Verde Valley Fire District

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000785	10/01/2016	\$495.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$495.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

THE UNIVERSITY OF ARIZONA

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000786	10/01/2016	\$396.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$396.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

THREE POINTS FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000787	10/01/2016	\$891.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$891.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TOWN OF ORO VALLEY

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
160000000000000006834	07/01/2016	\$1,365.92	\$0.00	\$1,365.92	\$0.00	\$0.00	\$0.00
17000000000000000658	09/01/2016	\$1,365.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17000000000000000788	10/01/2016	\$23,859.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$26,590.84	\$0.00	\$1,365.92	\$0.00	\$0.00	\$0.00

TOWN OF SAHUARITA

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000789	10/01/2016	\$11,583.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$11,583.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TUCSON MEDICAL CENTER

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000791	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

UNIVERSITY MEDICAL CENTER

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
160000000000000004624	04/01/2016	\$4.39	\$0.00	\$0.00	\$0.00	\$4.39	\$0.00
160000000000000004739	04/01/2016	\$2.93	\$0.00	\$0.00	\$0.00	\$2.93	\$0.00
160000000000000006441	07/01/2016	\$99.00	\$0.00	\$99.00	\$0.00	\$0.00	\$0.00
160000000000000006444	07/01/2016	\$198.00	\$0.00	\$198.00	\$0.00	\$0.00	\$0.00
17000000000000000792	10/01/2016	\$99.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17000000000000000793	10/01/2016	\$297.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17000000000000000795	10/01/2016	\$198.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$898.32	\$0.00	\$297.00	\$0.00	\$7.32	\$0.00

UNIVERSITY OF ARIZONA POLICE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000794	10/01/2016	\$16,236.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$16,236.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dept Total: WIN - Wireless Integrated Network		\$420,105.81	\$0.00	\$3,262.57	\$0.00	\$7.32	\$0.00
Fund Total: 2101 - Wireless Integrated Network SRF		\$420,105.81	\$0.00	\$3,262.57	\$0.00	\$7.32	\$0.00

Wireless Integrated Network Subscriber Services ISF

Fund: 6014

Wireless Integrated Network

CORONA DE TUCSON FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000885	09/17/2016	\$160.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$160.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

DREXEL HEIGHTS FIRE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000886	09/17/2016	\$424.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$424.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

MOUNTAIN VISTA FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000887	09/17/2016	\$264.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$264.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

NORTHWEST FIRE/RESCUE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000734	09/10/2016	\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PASCUA PUEBLO FIRE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000888	09/17/2016	\$144.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$144.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PASCUA YAQUI POLICE DEPARTMENT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000889	09/17/2016	\$696.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$696.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

RURAL METRO FIRE DEPT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000732	09/11/2016	\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17000000000000000890	09/17/2016	\$800.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SABINO VISTA FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000891	09/17/2016	\$24.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$24.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Tanque Verde Valley Fire District

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000893	09/17/2016	\$24.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$24.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TOWN OF ORO VALLEY

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000735	09/10/2016	\$80.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$80.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TOWN OF SAHUARITA

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000892	09/17/2016	\$936.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$936.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TUCSON COUNTRY CLUB ESTATES FIRE DISTRICT

Invoice Number	Due Date	Total Outstanding	0 to 30 Days	31 to 60 Days	61 to 90 Days	Over 90 Days	Over 1 Year
17000000000000000894	09/17/2016	\$24.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Customer Total:		\$24.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Dept Total: WIN - Wireless Integrated Network		\$3,656.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
--	--	-------------------	---------------	---------------	---------------	---------------	---------------

Fund Total: 6014 - Wireless Integrated Network Subscriber Services ISF		\$3,656.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
---	--	-------------------	---------------	---------------	---------------	---------------	---------------

Report Grand Total:		\$423,761.81	\$0.00	\$3,262.57	\$0.00	\$7.32	\$0.00
----------------------------	--	---------------------	---------------	-------------------	---------------	---------------	---------------



as of 9/16/2016

Site	# Buses	% Buses	# Voice calls	% Channel usage	Max Channel Usage with Date	Comments
Simulcast A	0	0.000%	923,762	25%	28% 8/24/16	
Simulcast B	0	0.000%	559,997	20%	22% 8/10/16	
North Simulcast	0	0.000%	219,540	32%	35% 8/16/16	
Golder	2	0.001%	159,633	32%	35% 8/16/16	
Arivaca	0	0.000%	15,725	26%	27% 8/30/16	
Bigelow	0	0.000%	23,856	35%	37% 8/2/16	
Confidence	0	0.000%	88,947	29%	32% 8/9/16	
Haystack	17	0.029%	57,826	36%	40% 8/17/16	
Childs	0	0.000%	15,886	27%	29% 8/12/16	
Keystone	7	0.003%	265,448	31%	34% 8/31/16	
Total	26	0.001%	2,330,620	29%	N/A	



as of 9/16/2016

	PCWIN Wireless Services		City of Tucson Comm Maintenance	
		Comments		Comments
Open CommShop Workorders	15	Number of Work Orders open at end of August	13	
Closed/Resolved CommSHOP Workorders	303	Number of Work Orders closed in month of August	233	
Number of Workorders Awaiting Invoice from Motorola	38	Number of workorders awaiting Motorola invoice	0	
Average Workorder Completion Time (In Days)	1 day	Avg Workorder turnaround time without workorders awaiting Motorola Invoice	1	
Number of Lost/Stolen Radios Since Go-Live	40	40 radios have been listed as lost/stolen	8	8 radios have been listed as lost/stolen
Number of Lost/Stolen Radios Recovered Since Go-Live	19	19 lost/stolen radios have been recovered	2	2 radios have been recovered
Number of CommShop Workorders by Supported Agency	See Attached Report			



as of 9/16/2016

Site	# Buses	% Buses	# Voice calls	% Channel usage	Max Channel Usage with Date	Comments
Simulcast A	0	0.000%	874,677	25%	28% 7/21/16	
Simulcast B	0	0.000%	553,067	20%	21% 7/8/16	
North Simulcast	0	0.000%	203,137	31%	34% 7/21/16	
Golder	0	0.000%	131,573	31%	33% 7/28/16	
Arivaca	0	0.000%	13,397	26%	27% 7/31/16	
Bigelow	0	0.000%	24,339	35%	36% 7/29/16	
Confidence	0	0.000%	112,299	30%	33% 7/12/16	
Haystack	41	0.058%	70,335	37%	39% 7/26/16	
Childs	0	0.000%	14,146	27%	28% 7/21/16	
Keystone	2	0.000%	263,760	31%	33% 7/12/16	
Total	43	0.002%	2,260,730	29%	N/A	



as of 9/16/2016

Backhaul & VR Network Performance Issues

Date	Site	Issues	Severity Level	Response Time	SLA MET (Yes/No)	Current Status
1-Jul	Keystone /PCSD	Loss of signal	3	None	Yes	MW Path Fade due to storm
1-Jul	Ajo/Childs	Loss of signal	3	None	Yes	MW Path Fade due to storm
6-Jul	Ajo/Childs	Loss of signal	3	None	Yes	MW path fade due to atmospheric conditions
8-Jul	COT Sites	Loss of signal	5	None	Yes	COT Scheduled Maintenance
8-Jul	PECOC	Loss of signal	2	Immediate	Yes	Suspected intermittent fiber cable, replaced cabling
11-Jul	Ajo/Childs	Loss of signal	3	None	Yes	MW Path Fade due to atmospheric conditions
12-Jul	Ajo/Childs	Constellation MW at Ajo RX#2 errors	3	48 hr	Yes	Replaced RX#2 Receiver module in Constellation MW at Ajo Sheriff on 7/14 Ticket # 17557
15-Jul	COT Sites	Loss of signal	5	None	Yes	COT Scheduled Maintenance
17-Jul	Ajo/Childs	Loss of signal	3	None	Yes	MW Path Fade due to storm
19-Jul	Ajo/Childs	T-1 Error	3	None	Yes	Possible DPS network issues or atmospheric conditions
20-Jul	Bigelow	Frame Errors on Standby IDM	3	None	Yes	No traffic interruption. Atmospheric condition between Bigelow/Lemmon
20-Jul	COT Sites	Loss of signal	5	None	Yes	COT Scheduled Maintenance
21-Jul	Golder	Remote Communications Failure	4	None	Yes	No traffic interruption. System comms between MW radios at Golder and OVPD
26-Jul	Ajo/Childs	T-1 Error	3	None	Yes	Possible DPS network issues
27-Jul	Ajo/Childs	T-1 Error	3	None	Yes	LOF generated by SONET network
27-Jul	Pascua	Loss of signal	3	None	Yes	MW Path Fade due to storm
29-Jul	Ajo/Childs	T-1 Error	3	None	Yes	Possible DPS network issues or atmospheric conditions
29-Jul	Keystone/Jail	Loss of signal	3	None	Yes	MW Path Fade due to storm
30-Jul	Jail	Loss of primary timing	3	None	Yes	SONET glitch, Timing is working correctly
31-Jul	Ajo/Childs	T-1 Error	3	None	Yes	T-1 error due to storm
31-Jul	RVFD/TFD17	Loss of signal	3	none	Yes	MW Path Fade due to storm





as of 9/16/2016

	PCWIN Wireless Services		City of Tucson Comm Maintenance	
		Comments		Comments
Open CommShop Workorders	10	Number of Work Orders open at end of July	13	
Closed/Resolved CommSHOP Workorders	177	Number of Work Orders closed in month of July	204	
Number of Workorders Awaiting Invoice from Motorola	0	Number of workorders awaiting Motorola invoice	3	
Average Workorder Completion Time (In Days)	1	Avg Workorder turnaround time without workorders awaiting Motorola Invoice	1	
Number of Lost/Stolen Radios Since Go-Live	40	40 radios have been listed as lost/stolen	5	5 radios have been listed as lost/stolen
Number of Lost/Stolen Radios Recovered Since Go-Live	19	19 lost/stolen radios have been recovered	1	1 radio has been recovered
Number of CommShop Workorders by Supported Agency	See Attached Report			

August Emergencies by Talkgroup



Agency	# of Emergencies	Talkgroup
AAI	1	Ajo Ambul
DHF	13	Emergency dhf
SAF	5	Dispatch
SAF	2	EMS 1
SAF	1	EMS 2
SAF	1	EMS 3
OVP	2	OV1
OVP	2	OV3
PCC	1	Patrol 1
PSD	5	East 1
PSD	6	Jail 1
PSD	4	Jail 2
PSD	2	Jail 3
PSD	3	Jail4
PSD	1	JudSec 1
PSD	1	JudSec 2
PSD	1	OffDuty 1
PSD	6	South 1
PSD	3	TAG
PSD	1	Training 4
PSD	3	West 1
PYP	1	Security
TFD	15	A1 Emergency
TPD	4	Event 1
TPD	1	ODD Patrol
TPD	1	ODE Patrol
TPD	4	ODM Patrol
TPD	3	ODS Patrol
TPD	8	ODW Patrol
TPD	1	PostBasic1
UAPD	3	Emergency uap
	105	Total

Total by agency	
AAI	1
OVP	4
PCC	1
PSD	36
PYP	1
SAF	9
TFD	15
TPD	22
UAP	3
VECC	13

July Emergencies by Talkgroup



Agency	# of Emergencies	Talkgroup
DHF	4	Emergency dhf
DHF	1	V F EMS1
MLF	1	Emergency MLF
SAF	2	Dispatch
OVP	3	OV1
OVP	1	OV6
PSD	2	Courts
PSD	10	Jail 1
PSD	1	Jail 2
PSD	3	Jail 3
PSD	3	Jail4
PSD	2	JudSec 1
PSD	1	JudSec 2
PSD	1	Training 4
PSD	4	West 1
PYP	1	Interops1
PYP	5	Patrol1
TFD	23	A1 Emergency
TFD	1	Track 1
TPD	2	BasicTrng2
TPD	1	Event 1
TPD	1	ODE Patrol
TPD	2	ODM Patrol
TPD	2	ODS Patrol
TPD	6	ODW Patrol
TPD	1	SWAT TacOps
UAPD	3	Emergency uap
	87	<i>Total</i>

Total by agency	
<i>MLF</i>	<i>1</i>
<i>OVP</i>	<i>4</i>
<i>PSD</i>	<i>27</i>
<i>PYP</i>	<i>6</i>
<i>SAF</i>	<i>2</i>
<i>TFD</i>	<i>24</i>
<i>TPD</i>	<i>15</i>
<i>UAP</i>	<i>3</i>
<i>VECC</i>	<i>5</i>

FY17-2018 BUDGET STATEMENT FORM

Organization: B291 & B265
 Fund: 2101
 PCWIN Special Revenue Fund

	FY2015-16 Actuals (Working Trail Balance 9.13.16)	FY2016-17 Revised Budget	FY2016-17 Forecast Period 2	FY2017-18 Requested	FY2018-19 Forecasted	FY2019-20 Forecasted	FY2020-21 Forecasted	FY2021-22 Forecasted
FULL TIME EQUIVALENT - FTE	12	12	12	12	12	12	12	12
REVENUES								
4200 - GEN GOV FEES	1,675,956	1,629,936	1,677,852	1,715,868	1,819,860	1,923,852	1,975,848	2,027,844
4247 - INTER DEPT REV	1,206,711	1,206,216	1,206,672	1,200,672	1,273,440	1,346,208	1,382,592	1,418,976
4400 - RENT & ROYALTIES	65,533	66,354	66,354	67,115	68,031	68,970	69,934	70,922
4404 - MISC REV OPR	-	-	-	-	-	-	-	-
4407 - INT POOL OPR	11,365	5,180	5,180	4,849	4,619	4,732	4,538	4,538
4415 - LATE INTRST FEE	7	-	-	-	-	-	-	-
TOTAL REVENUE	2,959,572	2,907,686	2,955,602	2,988,504	3,165,950	3,343,762	3,432,912	3,522,280
EXPENSES								
5000 - OFFICE SUPPLIES	5,113	4,000	4,000	5,500	5,500	5,500	5,500	5,500
5001 - SOFTWR <\$5M	-	-	1,092	-	-	-	-	-
5002 - COMPTN EQ <1000	132	-	-	-	-	-	-	-
5003 - FOOD SUPPLIES	-	500	500	-	-	-	-	-
5006 - MED & LAB SUPPLY	56	-	-	-	-	-	-	-
5007 - FUEL & OIL	-	1,000	1,000	-	-	-	-	-
5008 - BKS SBSCPTN VDS	-	500	500	500	500	500	500	500
5010 - R & M SUPPLIES	86,329	100,001	100,001	131,134	144,247	158,672	174,539	191,993
5013 - JANITORIAL SUP	-	-	58	-	-	-	-	-
5014 - APPAREL	-	-	1,751	2,000	-	2,000	-	2,000
5018 - OTH OPER SUP	225	2,000	2,000	2,000	2,000	2,000	2,000	2,000
5020 - TOOLS & EQ <1000	511	3,500	3,500	5,000	5,500	6,050	6,655	7,321
5021 - FURNITURE <1000	863	-	-	1,000	-	-	-	-
5121 - ACCNTG & AUDT	4,000	12,000	12,000	12,000	12,000	13,200	14,520	15,972
5125 - SFTWR MNT & SPP	29,272	35,000	35,000	35,000	35,000	35,000	35,000	35,000
5138 - TRAINING IN AZ	390	5,000	5,000	2,000	2,000	2,000	2,000	2,000
5139 - OUT AZ TRAINING	666	-	-	2,000	2,000	2,000	2,000	2,000
5140 - TRAVEL IN AZ	895	250	250	-	-	-	-	-
5141 - OUT AZ TRAVEL	2,118	2,670	2,670	7,000	7,000	7,000	7,000	7,000
5142 - POSTAGE & FRGHT	554	2,200	2,200	2,200	2,200	2,200	2,200	2,200
5143 - PRNTG & MICRFLM	128	1,000	1,000	1,000	1,000	1,000	1,000	1,000
5147 - LEASES & RENTALS INTERNAL	46,551	50,818	50,818	50,818	50,818	50,818	50,818	50,818
PECOC - Pima County	16,083	16,091	16,091	16,091	16,091	16,091	16,091	16,091
MISSION ROAD - Pima County	30,468	34,727	34,727	34,727	34,727	34,727	34,727	34,727
5148 - RENT - REAL EST	57,059	63,795	63,795	65,129	65,998	66,893	67,815	68,765
ARIVACA - ASLD	1,300	2,400	2,400	2,400	2,400	2,400	2,400	2,400
BEACON - Crown Castle	12,067	12,156	12,156	12,278	12,646	13,025	13,416	13,819
BIGELOW - SAT	15,697	16,207	16,207	16,693	17,194	17,710	18,241	18,788
CONFIDENCE - TEP	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000
HAYSTACK - ASLD	1,700	2,400	2,400	2,400	2,400	2,400	2,400	2,400
KEYSTONE - AZ DPS	4,356	4,356	4,356	4,356	4,356	4,356	4,356	4,356
LEMMON - AZ DPS	4,356	4,356	4,356	4,356	4,356	4,356	4,356	4,356
MILDRED - ASLD	2,700	2,400	2,400	2,400	2,400	2,400	2,400	2,400
RVFD - Rincon Valley Fire District	14,883	14,520	14,520	15,246	15,246	15,246	15,246	15,246
5149 - R & M MACH & EQ	1,090,052	1,201,223	1,185,223	1,150,463	1,156,990	1,199,785	1,217,645	1,234,968
Motorola SUJA II	627,209	684,961	702,728	698,927	703,541	708,246	713,116	725,239
Motorola LMR Tech Support	119,500	120,695	120,695	123,974	125,214	128,047	135,432	137,734
NICE Audio Logging Service	86,238	86,238	86,238	87,704	87,704	87,704	87,704	87,704
Consultation Expense (T&M)	35,360	28,000	28,000	-	-	-	-	-
Logicials Microwave Maintenance	-	16,000	-	-	-	-	-	-
Test Equipment Repair	9,800	7,500	7,500	9,800	9,800	9,800	9,800	9,800
Facilities Site Maintenance	14,187	40,050	31,416	22,438	23,111	23,805	24,519	25,254
Charges in from Fleet	1,000	865	865	1,000	1,000	1,000	1,000	1,000
Southwest HeliServices	1,195	1,178	1,178	1,200	1,200	1,200	1,200	1,200
CoT Smartnet CTM (IGA)	2,674	2,587	2,587	2,834	2,834	2,834	2,834	2,834
CoT Sonet (IGA)	11,873	23,149	23,149	12,585	12,585	12,585	12,585	12,585
CoT Network Sharing (IGA)	181,016	190,000	190,000	190,000	190,000	190,000	190,000	190,000
5150 - R & M BUILDINGS	75	-	-	119	119	119	119	119
5152 - NON MED PRO SRV	293	-	-	341	341	341	341	341
5162 - ADVERTISING	-	1,000	1,000	-	-	-	-	-
5203 - INTER SPL SV DR	7,118	10,850	10,850	10,914	11,242	11,579	11,926	12,284
5206 - ADMIN OH	156,583	207,999	207,999	207,999	218,399	229,319	240,785	252,824
5300 - PHONE INTERNET	50,434	77,118	77,118	147,100	147,100	147,100	147,100	147,100
PCITD Port Charges	15,912	27,336	27,336	130,100	130,100	130,100	130,100	130,100
Security Camera Port Charges/Storage	-	3,100	3,100	-	-	-	-	-
Pima County Smartnet	25,464	30,482	30,482	-	-	-	-	-
Cox Com. Modern	637	-	-	800	800	800	800	800
Cell Phone w/data	8,421	16,200	16,200	16,200	16,200	16,200	16,200	16,200
5301 - ELECTRICITY	45,794	55,517	55,517	56,627	57,760	58,915	60,093	61,295
BEACON - Crown Castle	3,230	4,015	4,015	4,095	4,177	4,261	4,346	4,433
BIGELOW - SAT	1,306	1,584	1,584	1,616	1,648	1,681	1,715	1,749
EAGLE	6,897	9,196	9,196	9,380	9,568	9,759	9,954	10,153
RVFD - Rincon Valley Fire District	6,693	8,844	8,844	9,021	9,201	9,385	9,573	9,764
SWAN	10,020	13,068	13,068	13,329	13,596	13,868	14,145	14,428
TUMAMOC - AZ Public Media	17,648	18,810	18,810	19,186	19,570	19,961	20,361	20,768
5306 - MOTOR POOL CHG	48,438	57,865	52,465	53,281	55,945	58,743	61,680	64,764
5309 - DUES MEMBERSHPS	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000
5312 - MISC CHARGES	840	840	840	840	840	840	840	840
5318 - GEN LIAB INS PR	-	-	-	14,000	14,420	14,853	15,298	15,757
5319 - PROPRTY DMG INS	-	-	-	500	515	530	546	563
5351 - ISFCOMPCHAR	18,612	20,148	20,148	20,148	20,752	21,375	22,016	22,677
5352 - ISFSERVER	-	17,033	17,033	17,033	17,544	18,070	18,612	19,171
5353 - ISFSOFTWARE	5,460	6,810	6,810	6,810	7,014	7,225	7,441	7,665
5504 - OFF MCH CMPT NC	-	1,000	2,425	-	-	-	-	-
5508 - OTH EQUIP NC	23,056	1,000	1,000	-	-	-	-	-
5564 - INVENTORY ADJ	863	-	-	-	-	-	-	-
Subtotal Operating Expenses	1,682,479	1,943,637	1,926,562	2,011,457	2,045,745	2,124,627	2,176,991	2,235,436
5564 - OTH EQUIP C	11,194	-	-	-	-	-	-	-
Subtotal Capital Expenses	11,194	-	-	-	-	-	-	-
PCWIN Staff								
5400 - SALARY & WAGES	160,205	697,397	704,447	705,736	719,851	734,248	748,933	763,912
5409 - FICA & MEDICARE	11,873	49,735	51,371	53,724	54,798	55,894	57,012	58,152
5410 - UNEMPLOYMENT	159	499	516	555	566	578	589	601
5411 - HLTH INS PREM	10,383	82,784	83,003	77,188	78,732	80,306	81,912	83,551
5412 - WORKERS COMP	360	1,652	1,643	1,711	1,745	1,780	1,815	1,852
5413 - LIFE INSURANCE	64	344	369	340	347	354	361	369
5416 - RETR AZ ST	17,944	75,637	78,301	81,829	83,466	85,135	86,838	88,574
5422 - DENTAL INS PREM	47	299	1,039	955	974	993	1,013	1,034
5423 - INTER SALARY CR	-	-	-	-	-	-	-	-
5424 - INTER SALARY DR	24,211	45,543	45,543	55,958	57,077	58,218	59,383	60,570
5425 - INTER FRINGE CR	-	-	-	-	-	-	-	-
5426 - INTER FRINGE DR	11,365	17,252	17,252	21,874	22,312	22,758	23,213	23,677
5427 - LDFRCR	-	(18,192)	(18,192)	(11,303)	-	-	-	-
5428 - LDFRDR	296	20,477	20,477	2,134	2,176	2,220	2,264	2,309
5429 - LDSALCR	-	(61,026)	(61,026)	(41,180)	-	-	-	-
5430 - LDSALDR	1,694	62,822	62,822	7,519	7,669	7,822.27	7,979	8,138.29
5431 - BUDGTD BENEFITS	-	4,287	-	-	-	-	-	-
5440 - SICK PAYOUT	-	-	-	-	-	-	-	-
5441 - VACTN PAYOUT	-	-	-	-	-	-	-	-
Subtotal Personnel Services	238,602	979,510	987,565	957,039	1,029,712	1,050,307	1,071,313	1,092,739
Wireless Staff								
5400 - SALARY & WAGES	622,305	141,157	145,339	-	-	-	-	-
5409 - FICA & MEDICARE	47,456	12,728	13,059	-	-	-	-	-
5410 - UNEMPLOYMENT	642	136	-	-	-	-	-	-
5411 - HLTH INS PREM	72,041	18,003	18,554	-	-	-	-	-
5412 - WORKERS COMP	1,450	308	359	-	-	-	-	-
5413 - LIFE INSURANCE	301	64	74	-	-	-		

	FY2015-16 Actuals (Working Trail Balance 9.13.16)	FY2016-17 Revised Budget	FY2016-17 Forecast	FY2017-18 Requested	FY2018-19 Forecasted	FY2019-20 Forecasted	FY2020-21 Forecasted	FY2021-22 Forecasted
OPERATING INCOME / LOSS	270,945	(207,284)	(155,911)	20,008	90,492	168,829	184,607	194,105
FUND IMPACT								
BEGINNING FUND BALANCE	1,403,815	1,374,760	1,374,760	1,218,850	1,238,858	1,329,350	1,498,178	1,682,786
TRANSFER OUT INFRASTRUCTURE REPLACEMENT	(300,000)	-	-	-	-	-	-	-
ENDING FUND BALANCE	1,374,760	1,167,476	1,218,850	1,238,858	1,329,350	1,498,178	1,682,786	1,876,891
REQUIRED OPERATIONAL FUND BALANCE	336,078	389,371	388,939	371,062	384,432	396,867	406,038	416,022
PROJECTED ENDING FUND BALANCE AFTER RESERVE REQUIREMENT IS MET (UNRESERVED FUND BALANCE)	1,038,682	778,105	829,911	867,796	944,917	1,101,312	1,276,748	1,460,869
Annual Fee Rate	\$33		\$33	\$33	\$35	\$37	\$38	\$39

FY17-2018 BUDGET STATEMENT FORM

Organization: B298

Fund: 6014

PCWIN Subscriber Services Internal Service Fund

	FY2015-16 Actuals (Fund 6001) Period 15	FY2016-17 Revised Budget	FY2016-17 Forecast Period 2	FY2017-18 Requested
FULL TIME EQUIVALENT - FTE	2	2	2	2
REVENUES				
4200 - GEN GOV FEES	81,917	23,616	23,616	73,248
4247 - INTER DEPT REV	315,312	323,388	323,388	311,772
4404 - MISC REV OPR	500	-	-	-
4408 - INT POOL N OPR	864	2,400	2,400	1,000
4412 - MISC REV N-OPR	17,965	145,440	89,218	79,000
Other T&M Revenue In		15,000		-
Rebanding fees - Sprint one time revenue	17,965	117,940	79,218	69,000
Interoperability agency programming		2,500	-	-
Motorola repair bank		10,000	10,000	10,000
4415 - LATE INTRST FEE		1,300	1,300	-
TOTAL REVENUE	416,559	496,144	439,922	465,020
EXPENSES				
5000 - OFFICE SUPPLIES	447	200	200	500
5001 - SOFTWARE UNDER \$1K	-	200	500	500
5010 - R & M SUPPLIES	22,899	13,500	22,682	23,000
5018 - OTHER OPR SUPPLIES	-	1,000	1,000	1,000
5020 - TOOLS & EQ<1000	511	19,075	19,075	5,000
5138 - TRAINING IN AZ	1,805	-	-	-
5142 - POSTAGE & FRGHT	695	1,812	1,812	1,300
5145 - SECURITY	170	-	-	-
5147 - LEASES & RENTALS INTERNAL	6,092	1,825	1,825	6,500
5149 - R & M MACH & EQ	871	-	178	1,000
5160 - CREDIT CARD FEE	19	-	20	100
5203 - INTER SPL SV DR	46	-	-	100
5206 - COUNTY ADMINISTRATIVE OVERHEAD	-	60,886	60,886	60,886
5300 - PHONE INTERNET	4,944	4,296	4,296	6,000
5305 - MILEAGE REIMBUR	21	-	-	-
5306 - MOTOR POOL CHG	6,898	9,361	-	-
5312 - MISC CHARGES	6,494	-	-	-
5351 - ISFCOMPCHAR	3,876	3,013	3,013	3,013
5352 - ISFSERVER	2,194	-	-	-
5353 - ISFSOFTWARE	728	908	908	908
5508 - OTH EQUIP NC	104	-	-	-
5652 - INVENTORY CLR	17,402	-	-	-
Subtotal Operating Expenses	76,215	116,076	116,395	109,807
5323 - DEPRECIATION	12,838	7,976	7,976	7,976
Subtotal Depreciation	12,838	7,976	7,976	7,976
Subscriber Services Staff				
5400 - SALARY & WAGES	115,148	132,835	131,729	131,840
5407 - SPECIAL ASSIGNMENT PAY	-	88	-	-
5409 - FICA & MEDICARE	8,974	9,865	9,688	10,053
5410 - UNEMPLOYMENT	122	100	97	104
5411 - HLTH INS PREM	12,758	17,562	11,757	10,977
5412 - WORKERS COMP	275	309	310	320
5413 - LIFE INSURANCE	59	68	74	68
5416 - RETR AZ ST	13,737	14,804	14,753	15,287
5422 - DENTAL INS PREM	249	315	108	99
5423 - INTER SALARY CR	(5,497)	-	-	315
5424 - INTER SALARY DR	1,731	18,750	1,904	1,904
5425 - INTER FRINGE CR	(1,398)	-	-	-
5426 - INTER FRINGE DR	765	6,250	842	842
5427 - LDFRCR	(1,940)	(25,596)	(3,879)	(2,134)
5428 - LDFRDR	15,790	1,854	18,192	11,303
5429 - LDSALCR	(6,835)	(78,527)	(13,670)	(7,519)
5430 - LDSALDR	58,223	26,951	61,026	41,180
5431 - BUDGTD BENEFITS	-	756	-	-
5454 - NPRETEXP	(4,010)	-	-	-
Subtotal	208,151	126,384	232,931	214,638
Subtotal Personnel Services	208,151	126,384	232,931	214,638
TOTAL EXPENSE	297,205	250,436	357,302	332,421
OPERATING INCOME / LOSS	119,354	245,708	82,620	132,599
FUND IMPACT				
Beginning - Invested in Capital Assets	25,220			
Beginning - Unrestricted	42,782		-	
Beginning Net Assets	68,002	187,356	187,356	269,976
ENDING FUND BALANCE	187,356	433,064	269,976	402,574

Annual Fee Rate

\$8

\$8

\$8

FY17-2018 BUDGET STATEMENT FORM

Organization: B292

Fund: 2101

PCWIN Infrastructure Replacement

	FY2015-16 Actuals	FY2016-17 Revised Budget	FY2016-17 Forecast Period 2	FY2017-18 Requested
FULL TIME EQUIVALENT - FTE	-	-	-	-
REVENUES				
4200 - GEN GOV FEES	-	-	-	-
4247 - INTER DEPT REV	-	-	-	-
4404 - MISC REV OPR	-	-	-	-
4408 - INT POOL N OPR	-	-	-	-
4415 - LATE INTRST FEE	-	-	-	-
TOTAL REVENUE	-	-	-	-
EXPENSES				
5000 - OFFICE SUPPLIES	-	-	-	-
5001 - SOFTWARE UNDER \$1K	-	-	-	-
5010 - R & M SUPPLIES	-	-	-	-
5018 - REPAIR & MAINTENANCE SUPPLIES	-	-	-	-
5020 - TOOLS & EQ<1000	-	-	-	-
5138 - TRAINING IN AZ	-	-	-	-
5142 - POSTAGE & FRGHT	-	-	-	-
5145 - SECURITY	-	-	-	-
5147 - LEASES & RENTALS INTERNAL	-	-	-	-
5149 - R & M MACH & EQ	-	-	-	-
5160 - CREDIT CARD FEE	-	-	-	-
5203 - INTER SPL SV DR	-	-	-	-
5206 - COUNTY ADMINISTRATIVE OVERHEAD	-	-	-	-
5300 - PHONE INTERNET	-	-	-	-
5305 - MILEAGE REIMBUR	-	-	-	-
5306 - MOTOR POOL CHG	-	-	-	-
5312 - MISC CHARGES	-	-	-	-
5323 - DEPRECIATION	-	-	-	-
5351 - ISFCOMPCHAR	-	-	-	-
5352 - ISFSERVER	-	-	-	-
5353 - ISFSOFTWARE	-	-	-	-
5508 - OTH EQUIP NC INVENTORY CLR	-	-	-	-
Subtotal Operating Expenses	-	-	-	-
TOTAL EXPENSE	-	-	-	-
OPERATING INCOME / LOSS	-	-	-	-
FUND IMPACT				
BEGINNING FUND BALANCE	-	-	-	-
TRANSFER IN FROM OPERATIONS	300,000	-	-	-
ENDING FUND BALANCE	300,000	300,000	300,000	300,000
ENDING FUND BALANCE	300,000	300,000	300,000	300,000

New Member Application



PCWIN Form 301-A

PCWIN is a public safety/public service digital trunked radio network and cooperative. While it is our intent to accommodate the voice radio needs of as many organizations as possible, a deliberate discovery and planning process is required to ensure a prospective member's participation meets the needs and intent of PCWIN. Please fill out the following application with as much detail as possible. This information will be used to determine the best level of participation for your agency and whether any fees will be assessed.

Applicant's Use:

Organization Name

Organization Address

Point of Contact

POC Email Address

POC Phone Number

Organization Type

Will PCWIN be your primary means of communication?

Is your agency being sponsored by a PCWIN member?

Name of PCWIN Sponsoring Agency

If applicable, is the Sponsoring Agency providing radios for your use?

What level of participation do you anticipate on PCWIN

Daily

Weekly

Monthly

Will you use another agency's talkgroups to communicate on PCWIN?

Will you require the establishment of talkgroups for your agency's use?

Will any of those talkgroups require encryption?

If applicable, how many talkgroups will you require?

Clear Voice Recorded Encrypted

How many radios do you plan to use on the PCWIN Network?

Portables Mobiles Consoles

Have you coordinated for your agency's Emergency Alert function to be monitored by a PCWIN agency? (which one)

Are your agency's radios programmed to use Over The Air Programming/Rekeying?

OTAP OTAR

What make and model of radio equipment do you wish to program on the PCWIN network?
(currently only Motorola products are permitted to connect to PCWIN)

How many radio transmissions does your agency average per hour?

What is the average length of your agency's radio transmissions?

Will your agency be connected to another network with the same radios?

Briefly describe the network

Will your agency require the dispatch services of a PCWIN agency?

What date would your agency like to begin using PCWIN?

Please provide a brief statement of your agency's Concept of Operations on the PCWIN Network

Comments (Special Requirements)

Signature/Date

PCWIN Staff Use:

Network Impact

Expected Site Affiliations

Will the Applicant's
Concept of
Operations Require
Additional
Infrastructure?

Additional
Required
Infrastructure
Locations

Will there be special
equipment
requirements?

Explain

What are the applicant's
programming requirements?

Talkgroup Recording
OTAR
OTAP
Encryption
Talkgroup Creation

What PCWIN talkgroups will need to
be programmed?

Have the requested PCWIN
agencies given permission to
program the applicant's radios?

Which PCWIN Agencies have
granted talkgroup sharing
permission?

Fiscal Impact:

Does the Applicant offer any potential revenue? (explain)

Does the Applicant offer any potential cost savings? (explain)

What costs to PCWIN will the cooperative incur by permitting the Applicant's inclusion on the network?

What O&M burden will the Applicant be expected to pay? (Explain)

What additional fees is the Applicant expected to pay?

- Fleetmap Development Fee
- Radio Programming Fee
- Encryption Fee
- Coverage Remediation Fee
- Equipment Purchase Fee
- Maintenance Agreement Fee
- Annual PM through PCWIN Fee
- Advanced Application Research/Processing Fee

Total fees incurred with this application

Overall Recommendation:

What is the PCWIN staff's recommended level of participation for the Applicant?

(refer to page 14 of the Sept 12 PCWIN Business Plan for guidance)

Operations Working Group recommendation

Date

Technical Working Group recommendation

Date

What is the Applicant's recommended "Go-Live" date?

If applicable, what is the termination date of the Applicant's PCWIN network connection?

What is the Applicant's code plug?

Further Comments

Executive Director Signature / Date

Board of Directors approval date / comments

PCWIN Cooperative
Business Plan
August 2016



PCWIN Pima County Wireless
Integrated Network

...a better state of communication

DRAFT

Pima County Wireless Integrated Network
3434 East 22nd Street • Tucson, AZ 85713

Contents

Summary of Revisions.....	1
Executive Summary	2
PCWIN Project Background	2
PCWIN Cooperative Overview	3
Business Plan Purpose	3
PCWIN Costs	3
Support Overview	4
PCWIN Cooperative	4
PCWIN Board of Directors	5
Voting	5
PCWIN Executive Committee	5
PCWIN Executive Director	6
Managing Members	6
Operations Working Group.....	7
Technical Working Group	7
Members and Participants.....	8
Cooperative Organization and Operational Associations	9
Radio System Overview	11
Coverage.....	11
Interoperability.....	11
Redundancy.....	11
Capacity	12
Maintenance.....	12
Radio Programming.....	12
PCWIN Cooperative Goals – FY 16/17	13
PCWIN FY 16/17 Projects and Issues	14
Annual Operating & Maintenance Cost Projections.....	15
Projected Annual Membership Fees.....	15
Appendix A.....	16
Appendix B.....	18

Summary of Revisions

The August 2016 Business Plan updates the description of the network and organizational structure of PCWIN and establishes new goals and projects for the 2016-2017 fiscal year. Below is a brief summary of the significant revisions to the document:

Title	Sub-Title	Page(s)	Change
Executive Summary		2	
	Project Background	2	updated language to reflect third year of successful radio network operation
	Cooperative Overview	2	deleted references to Executive Management Committee, deleted references to the procurement and consultation process
	PCWIN Costs	3	updated costs based on FY 15/16 approved 5-year plan
	Transition to the PCWIN Cooperative		deleted in entirety
Introduction			deleted in entirety
PCWIN Cooperative			
	PCWIN Executive Director	5	added comment to reflect Executive Director's role as administrative head of PCWIN Wireless Services
	Members and Participants	7	added comment referring to a list current members and participants
Cooperative Organization and Operational Associations		8	Redrafted to reflect current governance and organizational relationships.
Radio System Overview		10	Deleted references to legacy radio systems. Updated language to reflect current status
	Coverage	10	Deleted legacy and predictive coverage maps. Updated language to reflect current status
PCWIN Cooperative Goals		12	Deleted FY 13 and 14 goals. Replaced with proposed goals for FY 16/17
PCWIN FY16/17 Projects and Issues		13	Added entire section to annotate projects that will be accomplished or started during the fiscal year

Annual Operating and Maintenance Cost Projections		13	Deleted 3rd bullet statement referring to the transfer of subscriber units to members. Deleted 6th bullet statement referring to the future authorization of 3rd party service providers.
	Projected Annual Membership Fees	14	Updated the expense estimates to reflect the FY 16/17 approved 5-year plan. Deleted second paragraph referring to 5-year predictions (extraneous language).
Appendix A FY 16/17 Budget with 5-year Forecast		15-16	added
Appendix B PCWIN Cooperative Current Members and Participants		17	added

Executive Summary

PCWIN is a state-of-the-art digital trunked radio communications system designed to provide public safety grade radio communications throughout Pima County. The system is based on the Telecommunications Industry Association P25 standard for interoperable communications, supported by multiple public safety industry associations, and provides participating agencies and first responders with:

- Improved support for public safety operations with significant improvements, such as real-time, on-demand, automatic countywide communications that expands the service areas for all users;
- Enhanced in-building communication in major population centers, particularly within the City of Tucson to meet the demanding needs of firefighters and law enforcement;
- System capacity to support routine, peak and emergency traffic that relieves the overcrowding that previously existed;
- Interagency and interdisciplinary interoperable communications with other member agencies;
- Improved dispatch center communications with field subscriber units including increased coverage in hard-to-reach places;
- Options for interconnections with state and federal communication systems for interoperability with external public safety service providers;
- New subscriber unit equipment with expanded radio features for improved safety of first responders;
- Improved system reliability designed to survive weather or emergency conditions, through the use of redundant equipment, hardened facilities, and backup power; and,
- Cost effective system maintenance, radio programming, and support services.

PCWIN Project Background

In December 2003, public safety entities in Pima County joined in a collaborative effort to present a plan for a regional public safety communications system to the Pima County Board of Supervisors. The plan for the new system was subsequently approved by the voters and Pima County was authorized to issue bonds for the development, procurement,

implementation, and management of the Pima County Wireless Integrated Network (PCWIN). The Bond Implementation Plan assigned responsibility for implementing the program to the PCWIN Executive Management Committee (EMC).

Now in its third year of operation the PCWIN radio system has delivered superb communication to Pima County's public safety professionals without fault or failure. PCWIN, as a Pima County bond project, has proven to be a success by every estimate.

The following business plan explains the construct of the Radio System's governance and financial structure.

PCWIN Cooperative Overview

The Cooperative organization consists of a Board of Directors, Executive Committee and an Executive Director. To ensure representation and opportunity for all participants, the Board of Directors is comprised of a representative from each Member, with each Member having one (1) vote. Any Member can bring an item to the Board of Directors for consideration. Appendix C contains the current list of participating public safety agencies.

To manage the Cooperative functions the Board of Directors appoints a seven (7) member Executive Committee with representatives from Pima County, the City of Tucson, and other persons nominated by Member entities. This Committee reviews Cooperative activities and proposals, sets Board agendas, and manages Executive Director's activities. Finally, the Executive Director manages the administration of the Cooperative, including the establishment of working groups as necessary to address any issues affecting the Cooperative or its Membership.

Operations and maintenance activities, and any special projects, are funded through the establishment of an annual operating budget as approved by the Board of Directors. The Executive Director prepares budgets, five (5) year forecasts, and fund balance reports for presentation to the Executive Committee and the Board of Directors. Approved budgets are used to develop the rates or the Annual Membership Fees of the Cooperative.

Business Plan Purpose

The purpose of the PCWIN Cooperative Business Plan is to clearly communicate the business goals and objectives, cost projections, financial activities, and administrative items to the Membership and stakeholders of the PCWIN Cooperative. This document is consistent with and satisfies the philosophy, policy and objectives by which the PCWIN Project was envisioned and implemented. The PCWIN Cooperative Business Plan is intended to be a living document, the content of which will be revised annually by the Executive Director and submitted to the PCWIN Board of Directors for approval and adoption. This Business Plan (PCWIN Cooperative Business Plan August 2016) represents a recommended plan from the Executive Director to the PCWIN Cooperative Board of Directors as established by the PCWIN Intergovernmental Agreement (Intergovernmental Agreement to Operate, Maintain, Sustain, Improve and Finance the Pima County Wireless Integrated Network).

PCWIN Costs

PCWIN operates three fund accounts to support the operation and maintenance of the radio system and business cooperative. A Special Revenue Fund supports the daily expenses

required to sustain the radio system and the employees that maintain it. An Infrastructure Replacement Fund has been established to fund the periodic, large-scale upgrades and maintenance necessary to keep the radio system viable for the expected life of the system. Finally, a Subscriber Services fund supports the maintenance of the portable and mobile radio units of the PCWIN participants.

Revenue is derived from three primary sources. Annual membership fees are collected from most participants on the radio system as a proportion of their participation on the network. Members and most participants are charged a monthly per radio subscriber rate to support the network. Additionally, revenue is garnered from special assessments to members and participants when necessary to support a specific endeavor. Finally, third-party rental revenue bolsters the PCWIN Special Revenue Fund and helps defray direct expense to the PCWIN Cooperative members and participants. The table below contains projected monthly subscriber fees for the next five years.

	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
MONTHLY SUBSCRIBER RATE	\$33	\$34	\$35	\$37	\$38

Table 1: Projected Monthly Subscriber Unit Rates

Support Overview

Pima County is the designated Administrative and Network Managing Member for PCWIN. The County has ultimate responsibility for the management of the network and cooperative. PCWIN will function within the administrative framework of Pima County government as a standalone department. The PCWIN Executive Director, as a Pima County employee will work with the applicable functional areas of Pima County government to achieve the objectives of the PCWIN Board of Directors.

As Administrative Managing Member, Pima County will be responsible for conducting business on behalf of the membership, including day-to-day management of the Cooperative organization and finances.

PCWIN will be supported to specific service levels as defined by the Cooperative. The Network Managing Member, Pima County will be responsible for management and programming of the Network electronics, in collaboration with operations and technical working groups.

Maintenance Providers will provide technical support for the Network components and the subscriber units. The City of Tucson and Pima County are currently the only approved Maintenance Providers. The Board of Directors may authorize third parties to provide support for subscriber equipment.

PCWIN Cooperative

The Cooperative is formed for the purpose of using best efforts through cooperation and sharing of common resources, for the mutual benefit of all parties to operate, maintain, sustain, improve, and finance PCWIN. The governing principles defined in the PCWIN IGA set forth a

structure that will promote participation of all member agencies in the decisions affecting their mission critical communications services of the Cooperative. Entities become members of the Cooperative by executing the PCWIN IGA which defines rights, roles and responsibilities of members related to operating, maintaining, sustaining, improving and financing the PCWIN.

This section contains an overview of the key concepts contained in the PCWIN IGA and the PCWIN Governance Document. Refer to those documents for further detail. Also, a PCWIN Governance Quick Reference Guide is shown in Figure 2.

PCWIN Board of Directors

The PCWIN Board of Directors is the overarching governing body responsible for setting strategic direction, policy formation, financial oversight, and the ongoing viability of the PCWIN Cooperative. Each Member organization of the PCWIN Cooperative has a voting Representative on the Board of Directors. The Board of Directors is responsible for the following:

- To develop, sustain, and promote the vision and guiding principles of the Cooperative;
- Act on business and policy matters relevant to the Cooperative;
- To review and approve the annual PCWIN Cooperative Business Plan;
- To review and approve the annual PCWIN Operating Budget;
- Establish Capital Funds and Special Assessments on behalf of the Membership as required;
- To review and approve policy recommendations as appropriate;
- To appoint members of the Executive Committee;
- To establish the responsibilities of the Executive Director;
- To authorize and review an annual financial audit or review;
- To comply with all statutes and ordinances.

Voting

Voting rights are afforded to all PCWIN Cooperative Members through their Representative on the Board of Directors. Each Member organization has one vote and the Board of Directors will utilize a numerical vote which will require a majority to carry a motion. If necessary, a weighted vote, based on subscriber unit count, will be utilized to decide business matters. Any matter requiring a weighted vote must also pass a numerical vote. Matters that cannot be resolved through the voting process will be subject to mediation.

PCWIN Executive Committee

The Executive Committee is a seven member committee that is appointed by the Board of Directors and serves in advisory capacity to the Board and the Executive Director. Members of the Executive Committee are executive level members of police, fire, technology, maintenance organizations, and an Indian Community or at-large member. The Executive Committee is responsible for:

- Advising the Board of Directors and the Executive Director on matters of relevance to the Cooperative;
- Reviewing all proposals, recommendations, financial reports, and system performance reports prior to submittal to the Board of Directors;
- Establishing Board of Directors meeting agendas;
- Vetting policies and procedures;
- Other duties as assigned by the Board of Directors.

PCWIN Executive Director

The PCWIN Executive Director is an at-will employee of Pima County and a non-voting member of the Board of Directors and of the Executive Committee. The primary responsibility of the Executive Director is to ensure that the Cooperative's Guiding Principles of representation, participation, transparency, system sustainability, and equitable cost allocation are evident in all aspects of the Cooperative. The Director serves as the Cooperative's liaison to the Maintenance Providers to ensure that Service Level Agreement (SLA) metrics are being met, to resolve service delivery complaints, mediate contract disputes with suppliers, and enforce operational policies approved by the Board of Directors. The Director is also the administrative head of the Pima County Wireless Integrated Network, Wireless Services division (one of two authorized maintenance providers for PCWIN). The Director is the Cooperative's ambassador to the community and represents the Cooperative's membership on all matters relative to PCWIN. The Director's office is responsible for providing administrative support for the Board of Directors, the Executive Committee, and the Working Groups.

The PCWIN Executive Director is expected to be an executive level employee, capable of working with Elected Officials and County, City, and Indian Community Executives. The Executive Director is expected to engender trust and build consensus among all parties. The primary responsibilities of the Executive Director are as follows:

- To oversee all administrative aspects of the Cooperative;
- To oversee financial transactions of the Cooperative;
- To actively pursue additional funding for the sustainability of PCWIN;
- To develop a public relations strategy and take an active role in public relations;
- To help educate the community, PCWIN users, and political leaders about issues of relevance to the Cooperative;
- To develop and secure appropriate intergovernmental agreements;
- To assemble the Operations Working Group and Technical Working Group and task each work group appropriately;
- To maintain an awareness of advances in technology, national trends, best practices relative to radio communications.
- Represent the interests of all members of the Cooperative; and
- Function as an advisor to the Board of Directors and Executive Committee

Managing Members

Managing Members are Member organizations that provide a service, or collection of services, to the Cooperative in lieu of a third party. The types of administrative and maintenance providers contemplated by the PCWIN Governance Document are as follows:

Administrative Managing Member - Pima County serves as the Administrative Managing Member for the Cooperative and is responsible for conducting business on behalf of the membership, including day-to-day management of the Cooperative organization and finances. As the Administrative Managing Member, the County is responsible for collection of all Annual Membership Fees, disbursement of funds as approved by the Board of Directors, financial reporting, entering into legal agreements on behalf of the Cooperative, and employing the Executive Director and administrative staff.

Network Managing Member - Pima County, with collaboration from the Operations and Technical Working groups, functions as the Network Managing Member and is responsible for management and programming of the Network electronics, coordination of the maintenance activities, and reporting of Network performance.

Maintenance Providers - The City of Tucson and Pima County both function as Maintenance Providers. As such, both the City and County retain their existing radio shop staffs and facilities. They provide technical support to their respective portions of the system and provide subscriber unit programming and maintenance services as assigned by the Cooperative.

Operations Working Group

Each Member organization of the Cooperative can appoint up to four (4) Representatives, one each from police, fire, and municipal user departments, to the Operations Working Group (OWG). One representative from each Communications Center operating on the Network can also be appointed to the OWG. The OWG functions in an advisory capacity to the Executive Director and is responsible for the following activities:

- To recommend to the Executive Director policies and procedures required for consistent, reliable, and coordinated use of PCWIN;
- To recommend to the Executive Director policies and procedures for the efficient and effective management of grants to support the PCWIN Network;
- To develop recommendations to the Executive Director regarding the planning of operational exercises and annual events utilizing PCWIN;
- To develop recommendations to the Executive Director for the purchase and use of equipment relative to PCWIN;
- To review applications for membership submitted by potential members for operational impact to PCWIN;
- To coordinate with and support the Technical Working Group as necessary.

Technical Working Group

Each Maintenance Provider authorized by the Board of Directors may have up to three (3) representatives from their respective technical support teams as members of the Technical Working Group (TWG). The TWG shall be responsible for addressing all technical, architectural and engineering issues and maintaining Board of Director approved policies and procedures for the technical operation and maintenance of the Network. The Technical Working Group is assembled by the Executive Director and has the following responsibilities:

- To evaluate and plan for new equipment and technologies;
- To evaluate system performance and configuration with applicable recommendations for improvement;
- To develop and maintain standards, procedures, and processes for equipment usage;

- To review reports for service providers regarding system performance;
- To review applications for membership submitted by potential members for technical impact to PCWIN; and
- To coordinate and support the Operations Working Group as necessary

Members and Participants

Members are defined as entities that execute and become a party to the PCWIN Intergovernmental Agreement to operate, maintain, sustain, improve, and finance the Cooperative. All city, town, state, federal, Indian community, fire district or other separately constituted public entity that provides public safety services are eligible for Membership. Members are represented on the Board of Directors and have voting rights. Those entities eligible for initial membership are as defined in the 2004 Bond Ordinance as participants in the PCWIN project.

One of the objectives of PCWIN is to expand the user base for improved interoperability and the operational benefits that result, and to help make the system as cost effective as possible to operate on behalf of all Members. Therefore, additional members may be admitted upon Board of Director's approval of their application for membership, and the subsequent execution of appropriate Cooperative agreements. Each applicant will undergo an evaluation to assess the potential operational and technical impact to the Cooperative.

Similarly, accommodations for improvement to interoperability for Public Safety Service and Emergency Medical Service Participants have been made as well. Participants are defined as non-member, non-voting agencies and organizations that are authorized by the Board of Directors to use PCWIN to provide public safety or emergency medical services. Participants will be required to execute an appropriate Intergovernmental Agreement or Memorandum of Understanding with the Cooperative. Consideration for participation by the Board of Directors will include assessing the benefits and impact to the Cooperative, with the highest priority to maintaining service for public safety entities.

A list of current members and participants, by category, can be found in Appendix B.

Cooperative Organization and Operational Associations

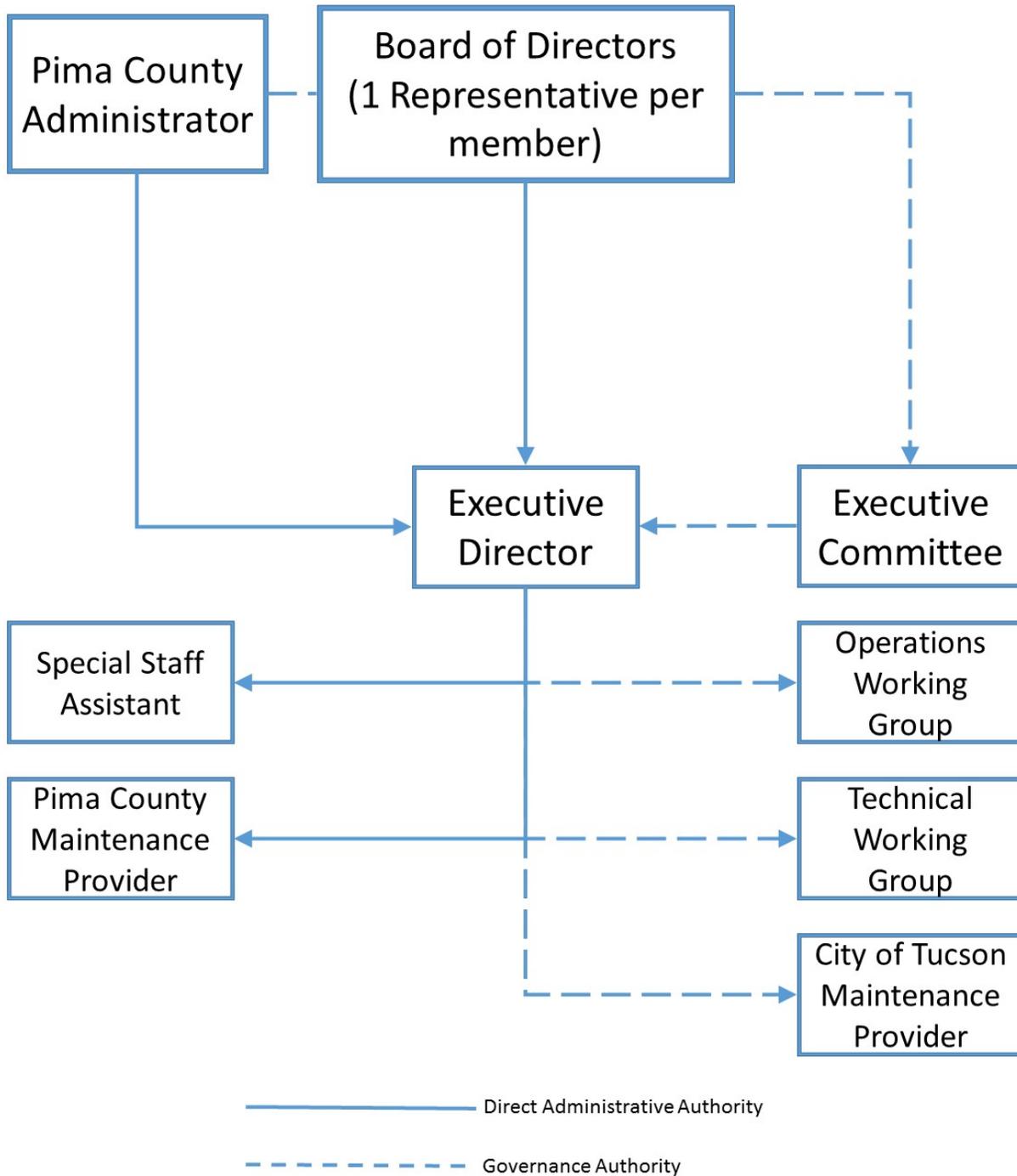


Figure 1: PCWIN Cooperative Structure

PCWIN Governance Quick Reference Guide

5/5/2016

Member/Participant Description	Committee Membership/Voting Rights				Fees
	Board of Directors	Executive Committee	Operations Work Group	Technical Work	
Member					Yes
Any city, town, county, state, federal, Indian nation, fire district or other separately constituted public entity that provides public safety services and becomes a party to the IGA.	1 Member 1 Representative Provider 1 Vote technical Numerical vote based on majority of a of quorum Managing Weighted vote based on No majority of numerical vote and affirmative Decisions vote of members representing 80% of weighted votes of the members voting	1 City of Tus Rep 1 County Rep 1 Law Enf Rep 1 Fire Rep 1 Indian Community /At Large Rep 1 CIO 1 Network/Maint Managing Member Rep Representatives of a single member cannot form a majority	Up to 4 reps per member (1 for each type of user on the system - police, fire, public works, dispatch) Staff working group. No specific quorum or voting rights established. Decisions are by consensus.	Up to 3 reps per Maintenance from their staff. Working group is chaired by a member of the Network Member. Staff working group. specific quorum or voting rights established. are by consensus.	Member partners share O&M costs.
Participants					
Associate Participant	None	None	1 Rep per Associate		Yes
A non-member agency or organization sponsored by a Member who is authorized by the BOD to use the network to support an existing member's public safety mission.					Fees are paid by the sponsoring member. Sponsor may have arrangements to recover costs from the Associate.
Conditional Participant	None	None	None	None	No
A non-member agency or organization authorized by the BOD to temporarily use the network for special preplanned events, tactical situations or emergency circumstances.					Temporary authorization to use the network for mutual aid or interop only. Primary communications are provided by other means.
Emergency Medical Service Participant	None	None	1 Rep per EMS	N	Yes
A non-member EMS provider authorized by the BOD to use the network to provide EMS services.					Use of network is to support primary communications needs of the applicant.
Interoperability Participant	None	None	None	None	No
A non-member public safety services agency authorized by the BOD to use the network for mutual aid and/or interoperability purposes.					Intermittent use of network for mutual aid or interop only. Primary communications are provided by other
Public Safety Service Participant	None	None	1 Rep per Public Safety None Services Participant		Yes
A non-member law enforcement, fire, emergency management and disaster preparedness service provider authorized by the BOD to use the network for purposes of providing public safety services.					Use of network is to support primary communications needs of the applicant.
Open Meeting Law Applicability	Yes	Yes	No	No	

Figure 2: PCWIN Governance Quick Reference Guide

Radio System Overview

PCWIN offers improved radio service features, reliability and coverage. There remain varying levels of radio service throughout the county. Agencies are using trunked systems and conventional systems. PCWIN has been designed to not only improve radio service for participant agencies but also bridge the gap of interoperability between participants and non-participants. In short, the PCWIN radio system was designed to meet the demanding needs of the area's public safety agencies.

The PCWIN system is a P25 Phase II Digital 800 MHz system that incorporates simulcast and trunking technology. The system provides the participating agencies with the highest level of interoperability possible. Conventional channel gateways provide opportunity to interconnect the PCWIN radio system with other state and federal systems for interoperability. The trunked system is augmented by simplex channels and digital vehicular repeaters (DVRs) to meet the demanding communications requirements for fire ground and police tactical communications.

Coverage

PCWIN benefits all of the participating agencies by providing greatly improved radio service coverage. The PCWIN radio system provides countywide coverage for all participants. This significantly improves radio coverage for all agencies, and provides a mechanism for responders to communicate with their dispatch support and other responders when travelling outside their current service area.

The system is designed to provide reliable communications anywhere within the entire coverage area. Countywide portable coverage and mobile coverage was provided in accordance with industry accepted standards for delivered audio quality (DAQ), with the goal of providing coverage with minimum dead spots or areas with no radio coverage. The formal coverage testing results showed a DAQ of 3.4 or better for over 90% of the tested area. This means that over 90% of Pima County (and over 95% of the greater Tucson metropolitan area) radio transmissions are transmitted and received with virtually no anomalies. For more insight into this process an Executive Summary of PCWIN's coverage testing results can be made available upon request to the Executive Director's office.

Interoperability

Emergencies are rarely constrained to geographic or political boundaries. These incidences often require a multi-discipline, multi-agency response. PCWIN promotes interagency and interdisciplinary interoperability through participation of local, county, state and federal public safety agencies and other public safety service providers in the region. This gives the participants the ability to share information on demand, in real time, when needed, and as authorized. This helps improve coordination of public safety services, thus improving public safety services.

Redundancy

The PCWIN voice radio system is designed such that no single-point failure shall reduce the ability of the system to provide the required two-way radio communications under routine day-to-day operational conditions. Path diversification for network connections and redundant electronics throughout the system provide the necessary backup to ensure PCWIN remains highly reliable.

Capacity

The system is designed to relieve the overcrowding problems that existed previously. System design accommodates growth through the year 2026. The system is also designed with sufficient channels and talkgroups to allow agencies or departments with different functions to have their own channels or talkgroups, without interfering to other non-related groups or functions.

Maintenance

The technical support staffs of Pima County and the City of Tucson will collaborate to form a cohesive maintenance support organization for PCWIN. In the past, differing agencies have utilized a wide range of maintenance programs for their radio systems yielding varying levels of customer service. Now, PCWIN cooperative policies require a consistent level of service and response times throughout the county. Rather than the patchwork of diverse levels of service, there are now common maintenance objectives. Operating procedures will continue to be developed by the Cooperative and adopted by the Maintenance Providers which results in maintaining PCWIN with practices consistent with direction established by the Cooperative.

Pima County serves as the Network Managing Member responsible for the day-to-day operations and programming of PCWIN. The County and City of Tucson function as Maintenance Providers to maintain the system and optimize the performance and availability of the PCWIN network. Maintenance providers participate with the Cooperative's Technical and Operations Working Groups to ensure that services are coordinated to support Cooperative objectives.

PCWIN is maintained in accordance with service levels agreements (SLAs) defined in the Cooperative's policies and procedures. The SLAs define the level of network performance, support service, and infrastructure maintenance, with requirements for monthly performance reporting.

Radio Programming

Radios on PCWIN have their own software allowing them to be programmed with their own radio ID, talk groups, switch positions, emergency button settings, etc. The configuration of the radio's feature set determines the "personality" of the radio. PCWIN's maintenance organizations have employees trained and authorized to program radios.

PCWIN is also equipped with over-the-air programming (OTAP) capability. This feature is particularly valuable because it will permit a technician to reprogram a radio remotely without requiring the end user having to travel to a repair facility. This feature reduces the time and expense associated with radio programming or re-programming.

PCWIN Cooperative Goals – FY 16/17

Every effective organization must have organizational goals that reflect the priorities of the organization. For FY16/17 the Board of Directors proposes the following goals:

Category	Description	Owner	Suspense
Governance			
	Pursue a governance relationship with Town of Marana that will foster greater interoperability	Executive Director	June 30, 2017
	Pursue a statewide interoperability solution for members who traverse multiple regional radio systems	Executive Director	June 30, 2017
	Create a legal document for interoperability participants that expedites the inclusion of federal agencies onto PCWIN	Executive Director/Network Managing Member	November 1, 2016
Network			
	Meet all Service Level Agreements	Network Managing Member	July 1, 2016
	Experience no preventable end user affecting system wide outages	Network Managing Member	July 1, 2016
	Develop internal change management process for City and County maintenance staffs	Network Managing Member	January 1, 2017
	Develop Common Operating Picture for network health monitoring	Network Managing Member	June 30, 2017
	Execute microwave maintenance contract	Pima County Information Technology	June 30, 2017
	Develop detailed plan to mitigate operational impact of Cisco end of life/end of support for PCWIN sub-systems	Network Managing Member/Technical Working Group/PCITD	June 30, 2017

Table 2: PCWIN Goals FY 16/17

PCWIN FY 16/17 Projects and Issues

During fiscal year 2016/2017 the PCWIN Cooperative will undergo several significant projects and changes. The objective of these changes is to provide the Cooperative Members and Network Participants with continued excellent network performance. These projects should complement and support the preceding governance and network goals:

- Rebanding – The first subscriber “touch” occurred during FY 15/16 cycle. In this effort the new (rebanding) 800MHZ frequencies were loaded into network participant subscriber units. During FY 16/17 the Network Managing Member will work with Sprint/Nextel and the Rebanding authority to complete the infrastructure rebanding as well as the second subscriber “touch” in this process. The second touch will remove the legacy 800MHZ frequencies from the subscriber units and activate the PCWIN network on the rebanding frequency spectrum. PCWIN has contracted with AECOM to accomplish coverage testing to ensure the original coverage capability of the network remains unaltered. AECOM will conduct Method III testing before infrastructure rebanding occurs (to establish a baseline) and after rebanding is complete to document the design capability of the network.
- Motorola System Upgrade Agreement II (SUAll) 7.17 implementation) – toward the end of FY16/17 Motorola will implement a large scale biennial upgrade to the PCWIN radio system. This upgrade to suite 7.17 will refresh network hardware and software, upgrade dispatch consoles to Windows 10, facilitate the migration of Fixed Network Equipment to an Internet Protocol (IP)-based transport system, and permit many new optional features. The upgrade is covered by PCWIN’s subscription to Motorola’s 20-year SUAll contract.
- Backhaul/Transport upgrade – Much of the PCWIN backhaul utilizes Time Division Multiplexer (TDM) and Synchronous Optical Network (SONET) technology. The Cisco SONET boxes that facilitate network connectivity are past “end of life” and will be “end of support by 2019. PCWIN will partner with Pima County Information Technology Department and City of Tucson Information Technology Department to upgrade the network backhaul to an IP-based solution. This will extend the life of the PCWIN network, provide increased capacity, speed and redundancy, as well as ensure systematic equipment refreshes.
- APX 6000XE cracked case replacement – Many PCWIN APX 6000XE cases have developed cracks. Motorola has agreed to replace the cases of the entire fleet of PCWIN APX 6000XE radios. The Network Managing Member will work with agency staffs to schedule case replacements during the 2nd quarter of FY 16/17.
- PCWIN Site Security Camera Installation – This project began in early 2015 and will be substantially complete by the 2nd quarter of FY 16/17. The cameras will be made available to the Pima County Network Operations Center to monitor activity at PCWIN sites. This is the final approved project utilizing fund from the 2004 General Obligation Bond.
- PCWIN Subscriber Preventative Maintenance – All subscribers on the PCWIN network are required to have an annual preventative maintenance (PM) performed on them. Maintenance Providers will perform PM services for the agencies they support. Interoperability partners, unless otherwise noted, will perform PM on their own subscribers and provide annual certification that their subscribers operating on the PCWIN network have had annual preventative maintenance performed.

- Site Preventative Maintenance – All PCWIN sites will have preventative maintenance (PM) performed on them annually.

Annual Operating & Maintenance Cost Projections

All PCWIN Members participate in the benefits of the system; therefore, it is appropriate that they also proportionately share the costs for the system. A forecast of the 5 Year Annual Operating and Maintenance costs associated with the PCWIN is contained in Appendix A. It should be noted that the Board of Directors and the Executive Director will continue to explore funding opportunities and improved methods to minimize the operations and maintenance costs associated with PCWIN.

The following assumptions have been applied to the financial forecast:

- Costs for operations and maintenance support are calculated on an annual basis and billed to the PCWIN participant agencies quarterly.
- Funding for future replacement of the PCWIN Network is not included in this 5 Year forecast or resulting Annual Membership Fees calculations.
- Annual budgeted expenses for PCWIN will vary, but the PCWIN Board of Directors will strive to minimize the changes in Annual Membership Fees to assist Members in forecasting budgetary requirements.
- The PCWIN Annual Budget is approved by the Board of Directors and expenses are apportioned to the Membership based on their pro-rata share of the subscriber unit count.
- When Members are authorized to add additional subscriber units to the Network, the Member participation ratio on which Annual Membership Fees are based shall be adjusted.
- Individual Members will be responsible for replacement costs for subscriber units bought by the County which are lost, stolen or damaged and not covered under warranty.
- Individual Members will be responsible for replacement of accessories such as battery chargers, carrying cases, and lapel microphones.
- Pima County will maintain master repair depot contracts with manufacturers for the benefit of the Members.

Projected Annual Membership Fees

Appendix A contains the current estimates of the 5-Year operations and maintenance expenses for the Cooperative. The estimate for the full yearly expenses are \$3,117,860 which yields an Annual Membership Fee of \$33/month (based on a subscriber unit count of 7,162).

APPENDIX A – FY 16/17 Budget with Five-Year Forecast

Appendix A

FY16-2017 BUDGET STATEMENT					
Organization: B242 & B265					
Fund: 2101					
PCWIN Special Revenue Fund					
	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21
FULL TIME EQUIVALENT - FTE	12	12	12	12	12
REVENUES					
4200 - GEN GOV FEES	1,62	1,67	1,72	1,82	1,87
4247 - INTER DEPT REV	1,20	1,24	1,27	1,35	1,38
4400 - RENT & ROYALTIES	6	6	6	6	7
4404 - MISC REV OPR	-	-	-	-	-
4407 - INT POOL OPR	5,180	4,849	4,619	4,732	4,538
4415 - LATE INTRST FEE	-	-	-	-	-
4702 - TRFR IN GEN FND	-	-	-	-	-
TOTAL REVENUE	2,90	2,99	3,08	3,25	3,34
EXPENSES					
5000 - OFFICE SUPPLIES	5,000	5,000	5,000	5,000	5,000
5003 - FOOD SUPPLIES	500	500	500	500	500
5007 - FUEL & OIL	2,500	2,575	2,652	2,732	2,814
5008 - BKS SBSCPTN VDS	1,500	1,500	1,500	1,500	1,500
5010 - R & M SUPPLIES	12	13	14	15	17
5018 - OTH OPER SUP	5,000	5,000	5,000	5,000	5,000
5020 - TOOLS & EQ<1000	5,000	5,500	6,050	6,655	7,321
5021 - FURNITURE<1000	-	-	-	-	-
5121 - ACCNTG & AUDT	1	1	1	1	1
5125 - SFTWR MNT & SPP	3	3	3	3	3
5138 - TRAINING IN AZ	5,000	5,000	5,000	5,000	5,000
5139 - OUT AZ TRAINING	-	-	-	-	-
5140 - TRAVEL IN AZ	250	275	303	333	366
5141 - OUT AZ TRAVEL	5,000	5,000	5,000	5,000	5,000
5142 - POSTAGE & FRGHT	2,200	2,200	2,200	2,200	2,200
5143 - PRNTG & MICRFLM	1,000	1,000	1,000	1,000	1,000
5148 - RENT - REAL EST	11	11	11	11	11
ARI	2,400	2,400	2,400	2,400	2,400
BEACON -	1	1	1	1	1
BIG	1	1	1	1	1
CONFI	5,000	5,000	5,000	5,000	5,000
HAYS	2,400	2,400	2,400	2,400	2,400
KEYSTO	4,356	4,356	4,356	4,356	4,356
LEMM	4,356	4,356	4,356	4,356	4,356
MIL	2,400	2,400	2,400	2,400	2,400
PECOC -	1	1	1	1	1
RVFD - Rincon	1	1	1	1	1
MISSION ROAD -	3	3	3	3	3
5149 - R & M MACH & EQ	1,19	1,20	1,02	1,06	1,08
Motorola SUA II	68	68	69	69	70
Motorola LMR	12	12	12	12	13
NICE Audio	8	8	8	12	12
Consultation	2	2	2	2	2
Logicalis Microwave	1	1	1	1	1
Test	7,500	7,500	7,500	7,500	7,500
Facilities Site	4	4	4	4	4
Netclock	865	865	865	865	865
Toshiba Copier	1,178	1,178	1,178	1,178	1,178
CoT	2,587	2,587	2,587	2,587	2,587
CoT Sonet (IGA)	2	2	2	2	2
CoT Network	19	19	19	19	19
5152 - NON MED PRO SRV	-	-	-	-	-
5162 - ADVERTISING	1,000	1,000	1,000	1,000	1,000
5203 - INTER SPL SV DR	1	1	1	1	1
5206 - ADMIN OH	19	19	20	21	23
5300 - PHONE INTERNET	9	9	9	9	9
PCITD	1	1	1	1	1
Security Camera Port	3	3	3	3	3
Pima	2	2	2	2	2
Long Distance	-	-	-	-	-
Cell	1	1	1	1	1
5301 - ELECTRICITY	5	5	6	6	6
BEACON -	4,015				
BIG	1,584				
EAGLE	9,196				
KEYSTO	-				
LEMM	-				
RVFD - Rincon	8,844				
SWAN	1				
TUMAMOC - AZ	1				
5306 - MOTOR POOL CHG	5	6	6	6	6
5309 - DUES MEMBERSHPS	1,000	1,000	1,000	1,000	1,000
5312 - MISC CHARGES	840	840	840	840	840
5314 - PMTS TO GOV	-	-	-	-	-
5318 - GEN LIAB INS PR	1	1	1	1	1
5319 - PROPRTY DMG INS	140	144	149	153	158
5351 - ISFCOMPCHAR	1	1	2	2	2
5353 - ISFSOFTWARE	5,500	5,665	5,835	6,010	6,190
5504 - OFF MCH CMPT NC	1,000	500	500	500	500

5508 - OTH EQUIP NC	1,000	1,000	1,000	1,000	1,000
Subtotal Operating Expenses	1,96	2,00	2,04	2,12	2,17
PCWIN Admin					
5400 - SALARY & WAGES	155,381	158,489	161,659	164,892	168,190
5409 - FICA & MEDICARE	13,061	13,452	13,856	14,272	14,700
5410 - UNEMPLOYMENT	163	168	173	179	184
5411 - HLTH INS PREM	9,068	9,340	9,620	9,909	10,206
5412 - WORKERS COMP	368	379	391	402	414
5413 - LIFE INSURANCE	69	71	73	75	78
5416 - RETR AZ ST	18,356	18,907	19,474	20,058	20,660
5422 - DENTAL INS PREM	51	52	54	55	57
5423 - INTER SALARY CR					
5424 - INTER SALARY DR	4	4	5	5	5
5426 - INTER FRINGE DR	5	7	0	2	5
5428 - LDFRDR					
5430 - LDSALDR					
5431 - BUDGTD BENEFITS	4	1	1	2	5
5441 - VACTN PAYOUT	2	9	0	1	7
	17,252	18,114	19,020	19,971	20,969
Subtotal	25	26	27	28	29
Wireless Service					
5400 - SALARY & WAGES	670	684	697	711	726
5409 - FICA & MEDICARE	,83	252	937	896	,13
5410 - UNEMPLOYMENT	5	54	56	57	3
5411 - HLTH INS PREM	52	44	07	76	59
5412 - WORKERS COMP	,8	4	8	0	,4
5413 - LIFE INSURANCE	59	727	749	771	93
5414 - EMPLYR PD BENFT	706	89	92	95	794
5416 - RETR AZ ST	87	82	52	29	98
5422 - DENTAL INS PREM	,2	7	2	8	,1
5423 - INTER SALARY CR	11	1,637	1,686	1,737	57
5424 - INTER SALARY DR	1,589	679	699	720	1,789
5425 - INTER FRINGE CR	659	38	39	41	742
5426 - INTER FRINGE DR	37	81	84	86	42
5427 - LDFRCR	79	63	08	60	89
5428 - LDFRDR	,2	1	0	2	,2
5429 - LDSALCR	53	667	687	708	00
5430 - LDSALDR	648				729
5431 - BUDGTD BENEFITS	-	-	-	-	-
5441 - VACTN PAYOUT	-	-	-	-	-
	-	-	-	-	-
Subtotal	89	91	93	95	97
Subtotal Personnel Services	1,15	1,18	1,20	1,23	1,26
TOTAL EXPENSE	3,11	3,18	3,25	3,36	3,44
OPERATING INCOME / LOSS	(21)	(18)	(17)	(10)	(10)
FUND IMPACT					
BEGINNING FUND BALANCE	1,28	1,07	88	71	60
CHANGE IN RESERVE FOR INFRASTRUCTURE					
ENDING FUND BALANCE	1,07	88	71	60	50
REQUIRED OPERATIONAL FUND	38	39	40	42	43
PROJECTED ENDING FUND BALANCE AFTER RESERVE REQUIREMENT IS MET	68	48	30	18	7
UNRESERVED FUND BALANCE	55	34	21	12	4
Annual Fee Rate	33	34	35	37	38

Appendix B

MEMBERS	PUBLIC SAFETY PARTICIPANTS	INTEROPERABILITY PARTICIPANTS
Avra Valley Fire District	Ajo Ambulance	AZ Attorney General's Office
Corona de Tucson Fire District	Rural Metro Fire Department	162nd Fighter Wing (ANG)
City of Tucson		355th Fighter Wing
City of South Tucson	ASSOCIATE PARTICIPANTS	Bureau of Alcohol Tobacco Firearms Explosives
Drexel Heights Fire District	Ajo/Gibson Volunteer Fire Department	Cochise County Sheriff's Office
Golder Ranch Fire District	Arivaca Fire District	MAC Team (Nursewise)
Green Valley Fire District	Elephant Head Volunteer Fire Department	Sunnyside Unified School District
Northwest Fire District	Helmet Peak Fire District	United States Forest Service
Mountain Vista Fire District	Mt. Lemmon Fire District	National Park Service
Oro Valley Police Department	Why Fire District	Union Pacific Railroad Police Department
Pascua Yaqui Tribe		United States Marshal Service
Picture Rocks Fire District	EMERGENCY MEDICAL SERVICES PARTICIPANTS	
Pima College Department of Public Safety	Green Valley Hospital	
Pima County	Northwest Medical Center	
Rincon Valley Fire District	Oro Valley Hospital	
Sabino Vista Fire District	Saint Joseph's Hospital	
Sahuarita Police Department	Saint Mary's Hospital	
Tanque Verde Fire District	Southern Arizona VA Hospital	
Three Points Fire District	Tucson Medical Center	
Tucson Airport Authority	Banner University Medical Center - University Campus	
Tucson Country Club Estates Fire District	Banner University Medical Center - South Campus	
University of Arizona	University of Arizona EMS Team	