

ANNUAL REPORT 2024





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EXECUTIVE DIRECTOR'S MESSAGE

RWC Members and Interested Parties:

As we say farewell to 2024 and welcome the new year, I want to say how proud I am to continue to serve as RWC Executive Director. Each day, I am fortunate to work with RWC Staff, a group of professional, dedicated, and dynamic people. Nicholas Roosevelt, our Management Assistant, who oversees RWC contracts, agreements, policies, procedures, and working group coordination; our Accountants, Almira Santos and Mark Sampson, who keep our accounting, billing, revenue collection and payments flowing; and our Administrative Aide, Selena Barner, who supports RWC administration in handling scheduling, meeting minutes, electronic record-keeping, and Member relations. I appreciate the job each one of you does every day. Thank you!

Working alongside an engaged, thoughtful, and responsive RWC Board of Directors, as well as our supportive technical staff, is truly rewarding. It is an honor to serve our Member agencies and to contribute to the mission of supporting local government efforts to protect and enhance the lives of residents, visitors, and elected officials.

The RWC was formed to create, manage, and operate a public safety-grade communications system covering the greater Phoenix Metropolitan area and its outlying region, protecting over 3.5 million residents and thousands of guests and visitors each year, spanning over 5,000 square miles of the Sonoran Desert and foothills. Our subscriber (radio) count is over 40,000 units, across Member, Associate, Conditional and Interoperability agencies. Despite this large number of subscribers on the system, we are still operating at nearly "*four nines*" (99.99%) of reliability, a remarkable achievement, given the complexity, size and heavy use of the system. My appreciation goes to the staff members of the City of Phoenix Radio Shop, the City of Scottsdale Radio Shop, (supporting Zone 5 as a Maintenance Managing Member), and individual Member agency technical representatives for keeping the system running at such a high level.

The RWC is self-funded through collection of revenues from the Member, Associate and Conditional Participating agencies. These revenues are used to operate, maintain, and regularly upgrade the system, supported by a five-year rolling projection. Any unspent revenue is credited back to the Members at the end of each Fiscal Year, either to be used to offset membership costs, fulfill future project needs, or to be refunded. The RWC does not make any profit from this model.



EXECUTIVE DIRECTOR'S MESSAGE (CONTINUED)

We continue to appreciate the collaboration with the Phoenix Radio Shop, Network Operations Center, other supporting Phoenix Departments, including Government Relations, Finance and Budget & Research, as well as technical representatives from our Member agencies.

The RWC continues to support ongoing and future planning for site-related projects. The City of Buckeye is nearing construction on the "Tartesso" site and recently completed their new Police communications center. The Cities of Goodyear and Surprise each recently completed new site constructions, and Surprise is nearing construction on a new site in south central Surprise. The Phoenix Radio Shop continues overseeing the in-process T1-to-Ethernet conversion project, as well as implementation of the new router replacements systemwide. The RWC continues to engage with the Phoenix Urban Area Security Initiative (UASI) Interoperable Communications Subcommittee, through their annual grant process. Over the past three years, this process has funded the RWCs Interference Detection System, along with a further size expansion that added even more detectors, expanding the capabilities even further.

In closing, I appreciate the continued support of the RWC Board, Executive Committee, Staff, the critical Operations, Policy, and ERRCS working groups, and all our Member, Associate, Conditional and Interoperability Participants. Together, all these groups have made the RWC what I believe it is: The premier public-safety grade radio communications system in the State of Arizona. Thank you to everyone for your continued support in 2024, and I look forward to continuing our great work in 2025!

Best,

A handwritten signature in black ink, appearing to read "John Imig".

John Imig, Executive Director
Regional Wireless Cooperative
February 2025



RWC HISTORY



The VHF communications system formerly used by the City of Phoenix’s public safety and other departments was based on outdated technology, and by the 1990’s was no longer able to meet the operational needs of its users. After much study and several consultants’ recommendations, the city funded and began the replacement of the existing system with an APCO¹ Project 25, 800 MHz digital trunked radio system. With the new radio system online by 2005, the *Phoenix Regional Wireless Network* (PRWN) was formed, and so began the transition of the Phoenix Police, Fire and Municipal Departments to the new system.

PRWN was initially intended to be a regional radio system supporting the City’s operations, as well as the Fire Department’s automatic aid partners. However, by 2008, with a clear understanding of what local government entities in the valley wanted from a regional communications system, PRWN was dissolved and became the *Regional Wireless Cooperative*, or RWC, with all new governance, policies, and procedures. The RWC now oversees the administration, operation, management, maintenance, and growth of this regional communications network.

Governance

The RWC is a cooperative body formed under a series of Intergovernmental Agreements (IGA’s). Membership is available to local, state, federal and tribal entities and currently includes most of the communities in the Greater Phoenix Metropolitan Area. Governance provides for a Board of Directors consisting of one executive representative from each Member. The Board directs the operation, maintenance, planning, design, implementation, and financing of the RWC.

The City of Phoenix serves as the “Administrative Manager” responsible for the administration and financial management of the RWC. Five administrative staff positions support the RWC: Executive Director, Management Assistant II, Accountant IV, Accountant I, and Administrative Aide. RWC staff are City of Phoenix employees residing in the Office of Government Relations (OGR) within the City Manager’s Office.

¹ APCO – The Association of Public-Safety Communications Officials is the world’s oldest and largest organization of public safety communications professionals and supports the largest U.S. membership base of any public safety association. It serves the needs of public safety communications practitioners worldwide - and the welfare of the general public as a whole – by providing complete expertise, professional development, technical assistance, advocacy and outreach (via APCO website).



RWC SYSTEMS

700 MHz Trunked: The primary RWC system is based on the APCO Trunked P25, Phase II Standard. This network is a Motorola ASTRO 25™, Integrated Voice and Data system. It operates in the 700 MHz frequency band and uses standard Simulcast, IP Simulcast, and individual site trunking. The network consists of eight major simulcast subsystems and 11 Astro Site Repeaters (ASRs) utilizing over 60 sites across the valley floor and surrounding mountains, providing wide area coverage across the Greater Phoenix Metropolitan Area.

Some of the benefits of this regional system include wide area coverage beyond what agencies could achieve individually; seamless *interoperability* (the ability for diverse public safety agencies to communicate directly, in real-time, as the need requires); shared resources, such as people, equipment and tower sites and funding and financial responsibilities shared by all members based on their relative size.

VHF Simplex (Fire Hazard-Zone): This conventional (non-trunked) VHF system serves the region's fire departments as an adjunct to the RWC trunked system. This system is for enhanced communication during hazard-zone operations (Fires, Hazmat, Special Operations) where direct radio-to-radio fireground communications are essential for public safety operations. The VHF system is comprised of 15 simplex channels utilizing over 70 transmit and/or receive sites across the valley. RWC Fire Member agencies are billed separately for the use and maintenance of the VHF system, which is maintained by the two RWC Maintenance Manager agencies (Cities of Phoenix and Scottsdale).



INTEROPERABILITY PROGRAM

The RWC system provides a platform on which to interoperate with many other agencies. 80 interoperability talk groups (“channels”), both encrypted and unencrypted, are available and utilized to facilitate communications between RWC Members and other public sector agencies across Law Enforcement, Fire, EMS and other areas. Use of these talk groups may be reserved for future events or utilized tactically based on developing situations (e.g. task force operations, pursuits) Because of the regional nature of the system, significant grant funding has been utilized to increase the regional use of the system and reduce the cost of membership in the RWC. Grants have been used to link the many dispatch centers in the Valley, also known as Public Safety Answering points (PSAPs); increase system capacity to allow greater roaming and interoperability; and provide cache radios to be used for emergencies.

The RWC system has been effectively used to provide interoperable communications for numerous special events in the metropolitan area. The system has provided (and continues to provide) communications for the annual Fiesta Bowl and WM Phoenix Open, NCAA BCS championship, multiple NFL Super Bowls, NBA and WNBA Playoffs, MLB All Star and World Series games, the NCAA Final Four Basketball Tournament, and many more high-profile events. The Super Bowl games clearly demonstrated the importance of our regional radio system and highlighted the effectiveness of the RWC’s organization and operations.

Nearly all public safety agencies in the Greater Phoenix Region have programmed their radios to operate with RWC members and other agencies around the Valley. These agencies include federal, tribal, state, county, local, and other support agencies.



INTEROPERABILITY PARTICIPATING AGENCIES

Ak-Chin Indian Community
Arizona Air National Guard 161ARW
Arizona Army National Guard
Arizona Attorney General's Office
Arizona Department of Corrections
Arizona Department of Game and Fish
Arizona Department of Health Services
Arizona Department of Juvenile Corrections
Arizona Department of Liquor Licenses and Control
Arizona Department of Public Safety
Arizona Department of Transportation
Arizona Division of Emergency Management
Arizona State University Police
BNSF Railway Police
Bureau of Land Management
Carefree Fire Department / Rural Metro
Casa Grande Fire Department
Cave Creek Marshal's Office
Circle City / Morrystown Fire District
Community Bridges, Inc.
Department of Homeland Security - Investigations (HSI)
Department of Homeland Security - Tucson Air Branch
Drug Enforcement Agency (DEA)
Federal Bureau of Investigations (FBI)
Town of Florence
Gila River Indian Community
Grand Canyon University Police Department
Luke Air Force Base 56th Wing
Maricopa County Adult Probation
Maricopa County Attorney's Office
Maricopa County Department of Emergency Management
Maricopa County Department of Transportation
Maricopa County Judicial Branch Security Department
Maricopa County Juvenile Probation Department
Maricopa County Office of Enterprise Technology
Maricopa County Sheriff's Office
Palo Verde GS Fire Department
Pinal County Sheriff's Office
Rural Metro Fire Department
Salt River Pima Maricopa Indian Community
Topaz Regional Wireless Network (TRWC):
 City of Apache Junction
 Fort McDowell Yavapai Nation Fire Department
 Fountain Hills Fire Department
 Town of Gilbert
 City of Mesa
 Town of Queen Creek
 Rio Verde Fire District
 Superstition Fire District
Union Pacific Railroad Police
United States Marshals Service
Yavapai County Sheriff's Office



The Mission of the Regional Wireless Cooperative (RWC) is to provide seamless operable and interoperable communications for all Members through a governance structure founded on the principle of cooperation for the mutual benefit of all Members.

RWC Values

We Are Dedicated to Serving Our Customers

We succeed by responding to and focusing our attention on the needs of our customers.

We Value and Respect Diversity

Understanding diversity helps us to work together and serve our communities.

We Work as a Team

Teamwork is the basis of our success. We use cooperation as our first tool in working with others.

We Each Do All We Can

We each have the opportunity and responsibility to develop and use our skills to the highest level.

We Learn, Change, and Improve

We are open to new methods, and we listen and learn from others. Training and education are the basis for our success.

We Focus on Results

Each of us knows the level of our customer satisfaction, our response time in delivering services and the cost of those services. We use information about the results we provide so we can improve.

We Work with Integrity

Whenever we make a decision, provide a service or deal with customers, we act with honesty and integrity.

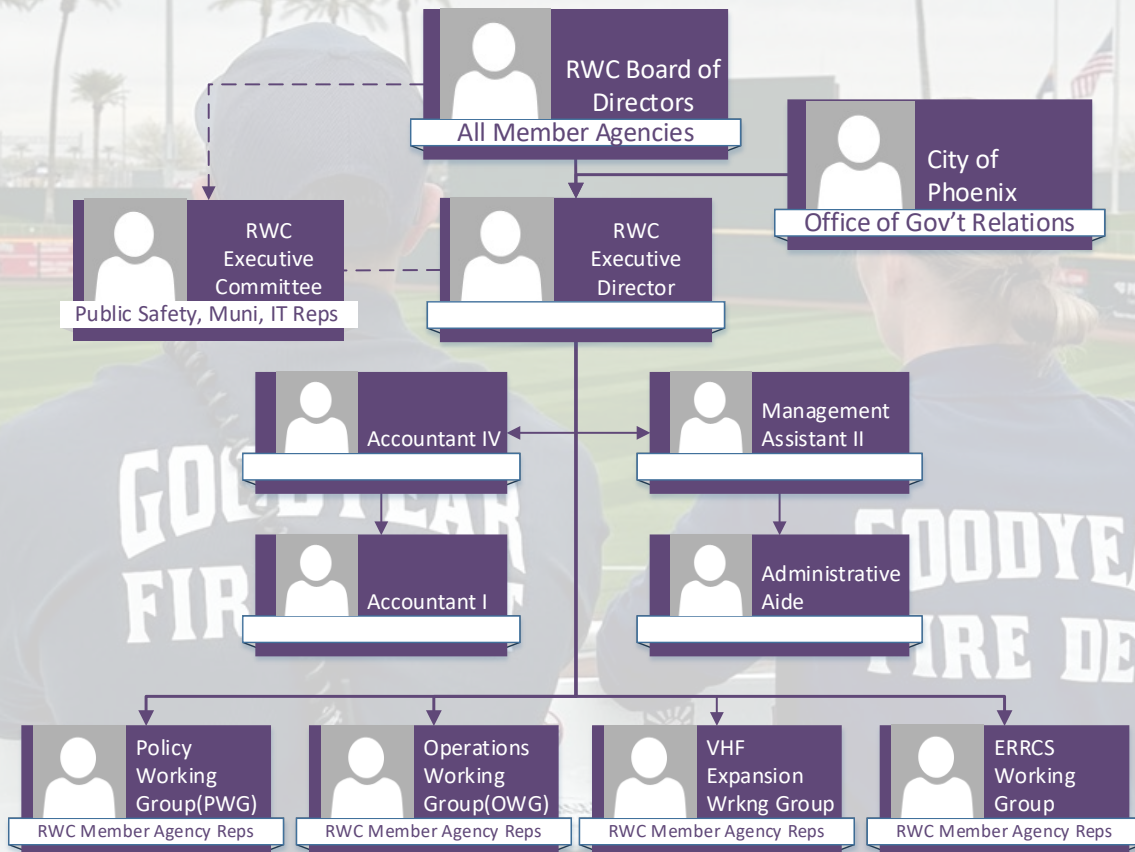
We Make the RWC Better

We work to make the RWC better. Improving the RWC is the reason we come to work each day.



ORGANIZATIONAL STRUCTURE

The RWC is governed by a Board of Directors, with all members of the RWC having a seat and a vote on the Board. The Executive Director reports to the Board of Directors and serves as a non-voting member of the Executive Committee. The Executive Director is supported by the Executive Committee, the Operations, Policy, ERRCS, and other Working Groups, in addition to four staff positions who assist with the administration and financial management of the RWC.





FIRE AND EMS MEMBERS



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* Arizona Fire and Medical Authority (AFMA) – Comprised of North County (Sun City West, Wittmann), South County (Sun Lakes, Tonopah), and Buckeye Valley Fire Districts.

**ASSOCIATES – Authorized agencies using the system while contracted to RWC Members



LAW ENFORCEMENT MEMBERS



*Long-Term Conditional Participant (LTCP) – Agency authorized to use the system for day-to-day operations under specific policies



MUNICIPAL SERVICES MEMBERS



City of Phoenix





BOARD OF DIRECTORS (2024)

Chair

Andrea Glass
Assistant Fire Chief
City of Tempe

Vice Chair

Val Gale
Assistant Fire Chief
City of Chandler

Shawn Holcomb

Battalion Chief
Arizona Fire and
Medical Authority

Rick St. John

Deputy City Manager
City of Glendale

Douglas Steele

Deputy Police Chief
City of Peoria

Jeff Scheetz

Chief Information Officer
City of Avondale

Paul Luizzi

Fire Chief
City of Goodyear

Steen Hambric

Chief Information Officer
City of Phoenix

Greg Platacz

IT Director
City of Buckeye

Jeff McMenemy

Fire Chief
Harquahala Fire District

Bianca Lochner

Chief Information Officer
City of Scottsdale

Alan Zangle

Deputy Chief
Daisy Mountain Fire District

George Burger

Emergency Manager
City of Maricopa

Rob Schmitz

Fire Chief
Sun City Fire & Medical
Dept

Paul Marzocca

Police Chief
City of El Mirage

Kyran Brennan

Police Chief
Maricopa County
Community
College District (MCCCD)

Tracy Montgomery

Deputy City Manager
City of Surprise

Milton Wiener

Police Chief
Federal Reserve Bank of
San Francisco

Patrick Beumler

Police Commander
Town of Paradise Valley

***Vacant**

City of Tolleson

Les Brown

Police Chief
Town of Wickenburg



EXECUTIVE COMMITTEE

The purpose of the Executive Committee is to provide high level expertise in communications and operations, advise the Board of Directors, help direct the efforts of the Executive Director and provide intermediate strategic direction for the RWC. Functions of the Executive Committee include review and approval of all proposals and recommendations, budget and financial reports, Network performance reports, and Board of Directors meeting agendas prior to submittal to the Board of Directors. The Executive Committee also identifies performance issues and recommendations for Network enhancements and construction.

The Executive Committee consists of five Representatives appointed by the Board of Directors, plus the Executive Director who is a non-voting member. Representatives consist of one Police Department executive manager; one Fire Department executive manager; one Municipal executive manager; one Chief Information Officer (or equivalent); and one executive manager from the Administrative Managing Member. The Executive Committee may not be comprised of Representatives from only a single Member and every two years the Board of Directors may review the Executive Committee representation.

Executive Committee Chair

Jeff Schripsema

Assistant Chief

Phoenix Fire Department

Fire Service Representative

Area Representatives

Brent Ackzen

Deputy Director

Glendale Police Department

Police Representative

Lisa Faison

Chief Information Officer

City of Goodyear

Information Technology

Representative

Tom Grebner

Deputy CIO (Wireless Systems)

City of Phoenix

Admin Mgr. Representative

Doug Sandstrom

Deputy City Manager

City of Surprise

Municipal Services

Representative



OPERATIONS WORKING GROUP

The Operations Working Group (OWG) is responsible for addressing network services, operations and maintenance issues, performance issues, impact assessments, and other Network technical matters for both the Trunked and VHF systems. The group consists of Member agency technical and operational practitioners and pursuant to RWC Governance Subsection 2.2.12, are tasked with the following: discussing and/or providing operational or field input regarding RWC Network use and performance; sharing knowledge and experience; receiving input from RWC department delegates, industry providers or RWC management (or RWC management designee); and conducting other related activities.

Currently, the group meets monthly, and the meeting is facilitated by the Executive Director. These meetings provide a forum to address issues large and small and their importance cannot be overstated.



VHF EXPANSION WORKING GROUP

The RWC convened this working group in 2024 to address a series of issues related to the Conventional (VHF) Network expansion. This group has already made great strides including the drafting of a VHF specific policy that delineates the fiscal responsibilities of a Member(s) and the Network. This was incredibly important because unlike the Trunked Network, the VHF Network requires backend expansion when new sites are added.

This group has also been working to address the long-term growth of the network to mitigate potential congestion on the limited number of VHF channels. For example, in 2024 the RWC identified implementation of channel A-14 for increasing VHF coverage in the Far West Valley. The RWC conducted testing, budgeted funding, and attained the required Federal Communication Commission (FCC) Letters of Concurrence from adjacent band users. Although this implementation has not yet taken place, the group will continue to coordinate with Phoenix Fire and the Radio Shop to ensure this expansion project, and future projects, maintains momentum.



POLICY WORKING GROUP

The Policy Working Group (PWG) is responsible for developing, reviewing and modifying RWC policies and procedures as necessary (every policy and procedure must be reviewed at least every two years). The PWG consists of representatives from Member agencies and meets monthly or as required throughout the year. Policies and procedures completed by the PWG must be approved by the Operations Working Group, Executive Committee or Board of Directors prior to implementation.

In the last year the PWG expanded the Emergency Responder Radio Coverage System (ERRCS) Policy with an additional procedure regarding loaner resources. This program will allow vendors to borrow RWC resources to test in-building treatments prior to inspection. The response has been resoundingly positive. It has been suggested that this program be highlighted for national standard.

Also notable, the PWG updated multiple policies and procedures to link vendor provided work with the Administrative Manager's formal standards documents. This will ensure that all RWC projects, regardless of Member jurisdiction will be built in accordance with the RWC's exacting standards. This will also assist our membership in their individual contract monitoring and project management.



FINANCIAL MANAGEMENT

The responsibilities and tasks of managing the financial well-being of the Regional Wireless Cooperative include Fund management, Budget Development, Subscriber Unit Rates and Fees, Member Billing, Procurement, Financial Reporting and Financial auditing.

RWC Trunked Network Budget		
	FY 2023-24	FY 2024-25
Operations, Maintenance and Staffing	\$8,468,443.00	\$8,548,115.00
System Upgrade Assurance (SUA II)	\$2,507,075.28	\$2,517,647.31
Logging Recorders	\$675,699.50	\$695,972.11
T1-Ethernet Upgrade	\$891,624.00	
Juniper Paragon Suite	\$1,035,270.40	
Required Minimum Balance	\$2,095.56	
Total Budget	\$13,580,207.74	\$11,771,734.42
Subscriber Unit* ² Rate	\$34.59	\$34.06
Total Positions (Administrative Staff)	4	4
RWC Conventional (VHF) Network Budget		
	FY 2023-24	FY 2024-25
Operations, Maintenance and Staffing	\$482,560.00	\$541,990.00
Special Assessment	\$351,180.00	\$351,180.00
Juniper Paragon Suite	\$258,818.00	\$0.00
Total Budget	\$1,092,558.00	\$893,170.00
Subscriber Unit* Rate	\$9.19	\$9.82
Total Positions (Administrative Staff)	1	1

² * Includes: mobile and portable radios, dispatch consoles and control stations.



FINANCIAL MANAGEMENT (continued)

Funding

The RWC is funded through annual membership fees and special assessments from the Members. The annual membership fees are used to pay for administrative services, network operations and maintenance services, network infrastructure replacement, and system upgrades.

Operations, Maintenance, and Staffing Costs

The operations, maintenance, and staffing portions of the budget are used to pay for the cost of maintaining and staffing the RWC Network. Operations and maintenance expenditures include labor costs related to network operations and maintenance, microwave expenses, and software subscription and service agreements contracted through Motorola. Other costs include land leases, utilities charges, insurance premiums, and maintenance managing member expenses. Staffing includes costs associated with the RWC Executive Director and the support staff. Such costs include salaries for staff and an Encryption Specialist, and office expenses.

Capital Improvement Project Fund

Funds budgeted for system upgrades, infrastructure replacement and other long-term capital improvement projects (CIP) are accounted for in this fund. Funds from RWC members deposited into the CIP Fund are included in determining RWC Members' equity percentages.

Operating Fund Contingency

The Operating Fund Contingency is used to provide a contingency for the cost of operating and maintaining the communications network. Member billing for the required minimum balance is accounted for in an RWC operating reserve fund.

Equity

Members of the RWC who contributed assets or funds to pay for RWC infrastructure have equity in the RWC. The total Members' equity in the RWC is equal to the Net Position of the RWC.



FINANCIAL MANAGEMENT (continued)

Awards

The Government Finance Officers Association of the United States and Canada³ (“GFOA”) awarded the RWC its *Certificate of Achievement for Excellence in Financial Reporting* for the RWC’s Annual Comprehensive Financial Report (ACFR) for the fiscal year ended June 30, 2023. The Certificate of Achievement is a prestigious national award recognizing conformance with the highest standards for preparation of state and local government financial reports. The RWC has won this award every year since 2012 and has already submitted documentation for FY24.



³ <https://www.gfoa.org/>



PROJECTS AND MAJOR INITIATIVES

Below are some of the projects and initiatives undertaken by the RWC in 2023-24. They were aimed at increasing radio coverage, reliability, and efficiency. They not only showcase the Regional Wireless Cooperative as a highly reliable public safety radio communications system, but also, they highlight our commitment to equity and regional partnership.

COMPLETED IN 2024

Emergency Responder Radio Communication Systems (ERRCS)

The ERRCS Team implemented several programmatic additions in 2024, beginning with the development and implementation of a detailed ERRCS Technical Specifications/Requirements. This was largely based on the Puget Sound Emergency Radio Network (PSERN) program in the Seattle region and has had great success in lowering the time spent on site and in review. Secondly, the ERRCS Program, via changes in the policy, now requires that engineers working on ERRCS systems hold industry specific certifications. Consequently, the National Institute for Certification of Engineering Technologies (NICET) has recognized the RWC program as a national model.

Urban Area Security Initiative (UASI) Interoperability Grant

In 2021, the RWC drafted and managed the submission of a multidepartment UASI grant for an Interference Detection System. It was awarded the full amount requested (\$150,000). The initial six sites proved to be incredibly valuable resulting in another award –in 2023—for an additional six sites. The RWC has received a total of \$270,000 in grant funding over the last three years. The RWC completed the grant in 2024 and will consider future grant opportunities as necessary.



PROJECTS AND MAJOR INITIATIVES (Continued)

City of Buckeye “Jackrabbit Trail” Site

The new subsite for Simulcast J was completed in 2024. The shelter, tower, and generator were completed very quickly in 2023, but there were vendor delays which pushed this project into 2024. The speed at which the infrastructure was completed is a testament to the dedication of the City of Buckeye and the RWC and is another example of the benefits of managing civil work internally, rather than going “turnkey” with a single vendor.

City of Goodyear - Fire Station 187 (Mobile, AZ)

The RWC worked extensively with the City of Goodyear and with Maricopa County to utilize space in an existing County site in Mobile, AZ. The RWC provided coordination on the Intergovernmental Agreements (IGA’s) and provided technical support. This regional cooperation allows FS 187 to be supported without the need for a new standalone RWC site.

City of Maricopa – Fire Station 572

The RWC provided the City of Maricopa with technical support and helped to install a new VHF site at FS 572. This site will provide needed coverage as well as adding to the network’s southeastern footprint.



PROJECTS (In Progress)

City of Buckeye - "Tartesso" Site

The RWC is assisting Buckeye with the addition of a new site in the Tartesso community (Sun Valley Pkwy, north of I-10). This is a very involved project and the RWC will provide support for testing, design, and integration. The project will continue to move forward into 2025.

City of Buckeye Dispatch Center

The RWC is assisting the City of Buckeye with their new Dispatch Center. The team is coordinating with the vendors and the Member to ensure seamless integration. The project will continue in 2025.

City of Maricopa Dispatch Center

The RWC is assisting the City of Maricopa with their new Dispatch Center. Our team is coordinating with the vendors and the Member to ensure integration. The project should be completed in 2025.

City of Surprise "SPA I" Site

The RWC has been supporting the City of Surprise with their addition of a new site covering south central Surprise. The project will continue into 2025.

Regional Real Time Crime Centers (RTCC)

The RWC is currently assisting our Members, specifically Chandler, Peoria, Scottsdale and Phoenix, in their RTCC's integration to the system. It is expected that these projects will be completed throughout 2025.



PROJECTS (In Progress)

TDMA Migration

With the TDMA upgrade completed, the network continues to convert talkgroups that have TDMA compliant radios to TDMA 'dynamic dual' mode. Our members continue to work toward utilizing TDMA capable radios. Some agencies have reached 100% and others are still moving in that direction. Currently, roughly 51.59% of all network calls are being conducted via TDMA up from 46.7%.

Leased Line Replacements

The RWC continues to move the Network off any remaining legacy, leased T-1 lines, which are no longer being supported actively by telecommunications carriers. The Phoenix Radio Shop is working with each agency affected by these moves and will be working on this transition throughout 2025.

Ethernet Upgrade

In 2022 the RWC Board of Directors approved a comprehensive solution including a funding plan to meet Motorola requirements that the Network be fully ethernet capable. In 2024, the RWC Board added an additional Backhaul Specialist position to provide support to the Transport Lead. The RWC continues to work with Motorola to ensure that the upgrade costs are contained, and the integration is smooth. The RWC completed the preliminary work with Juniper Solutions in 2024 and will begin transitioning zones in 2025.

Scottsdale Microwave and VHF Replacement

Scottsdale continues to replace their legacy microwave connections between sites, as well as installing new VHF radio equipment. This project is targeted for completion in Calendar Year 2025.



RADIO COUNTS

Radio counts give a generalized picture of the size and relative volume of the system. Radios on the system include all consoles, control stations, portables, and mobiles. They also include radios used by the RWC Members and those radios used by outside agencies for interoperability. Radio counts are updated quarterly, and 2024's totals are shown below:

RWC Trunked (700 MHz) Network

FY 2023-24	July	October	January	April
Members*	20,969	21,043	21,311	21,355
Interoperability Agencies	22,245	22,182	22,013	22,458
Grand Total	43,214	43,225	43,324	43,813

RWC Conventional (VHF) Network

FY 2023-24	July	October	January	April
Members	4,768	4,600	4,645	4,649

*Includes Member, Associate, Conditional Participating Agencies



SYSTEM PERFORMANCE

Overall System Statistics

The following charts provide a compilation of the overall system statistics including the number of calls, system busies and emergency calls, including the total and average duration of each type of call. A busy signal occurs when a user tries to make a call, but all channel resources are in use and thus the user must wait to complete the call. An emergency call occurs when the user presses the emergency button on a radio. Grade of Service (GOS) for the system is also shown; GOS is explained in more detail in the next item. System statistics provide a general overview of system performance, but they cannot be used as the final guide since statistics must be viewed individually for each sub-system to truly see the performance from the user perspective. These statistics are not shown in this report since they are so voluminous.

FY 23/24 System Statistics	
Total Number of Calls	27,908,828
Total Call Duration (Hours)	62,324
Total Call Duration (Sec)	224,366,400
Average Call Duration (Sec)	8.0
Average Calls per Day	76,254
Total Busies	283
Busy Duration (Hours)	0.047
Total Busy Duration (Sec)	170
Average Busy Duration (Sec)	0.6
Average Busies per Day	0.8
Total Emergency Calls	3,126
Total Emergency Duration (Hours)	23
Total Emergency Duration (Sec)	82,800
Average Emergency Duration (Sec)	26.49
Average Emergencies per Day	8.5
FY 22-23 System Reliability	99.98%



SYSTEM PERFORMANCE (continued)

Grade of Service

Grade of Service (GOS) is a measure of how many times a user gets a “Busy” signal when a user “Pushes to Talk” (PTT) on their radio. GOS is measured in percent as the number of PTT’s where a Busy occurs divided by the total number of PTT’s. The design specifications for the RWC system are to maintain a GOS of 2% or less, which means that there will be only 2 Buses or less, out of each 100 PTT’s. GOS is measured on each Simulcast and Astro Site Repeater (ASR) subsystem. GOS reports are prepared weekly and the 2% GOS goal has not been exceeded on any subsystem. The following table shows the maximum GOS for the past year on each sub-system.

System Use

System Use shows the average of how many of the system’s channels are used. It is shown as a percentage of the *number of channels used*, divided by the *total number of channels available* for each Simulcast and Intelligent Site Repeater (ISR) subsystem.



SYSTEM PERFORMANCE (continued)

Site Utilization / Grade of Service - FY 23-24

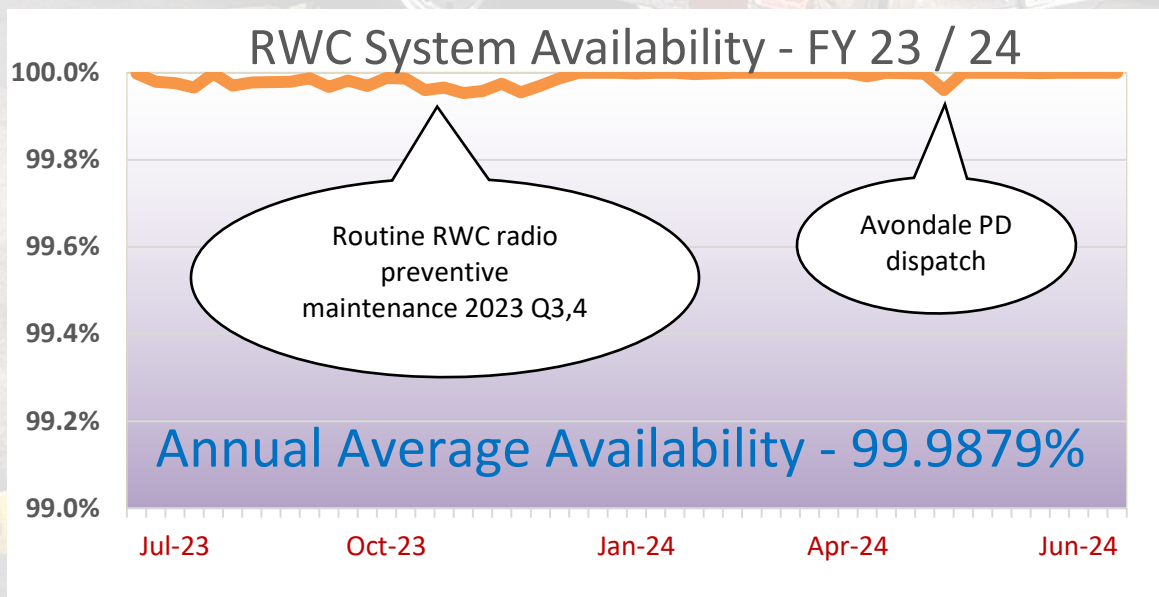
<u>Subsystem/Site</u>	<u>Average Use</u>	<u>Peak Use</u>	<u>Average GOS</u>	<u>Peak GOS</u>
<u>Subsystems</u>				
<u>Simulcast A</u> (Phoenix PD/Muni)	27.24%	32.88%	0.000%	0.000%
<u>Simulcast B</u> (Phoenix FD/Muni)	20.76%	29.20%	0.000%	0.000%
<u>Simulcast C</u> (Southeast Valley)	20.87%	25.54%	0.000%	0.000%
<u>Simulcast D</u> (Far North Valley)	20.95%	30.64%	0.000%	0.000%
<u>Simulcast F</u> (Tempe)	14.00%	18.87%	0.000%	0.000%
<u>Simulcast G</u> (West Valley)	29.52%	33.91%	0.000%	0.000%
<u>Simulcast H</u> (Scottsdale/P.V.)	20.59%	29.57%	0.021%	1.135%
<u>Simulcast I</u> (Southwest Valley)	21.83%	30.27%	0.000%	0.000%
<u>ASR (Site Repeaters)</u>				
<u>Burnt Mountain</u>	26.77%	41.04%	0.006%	0.336%
<u>Mt Gillen</u>	2.45%	4.77%	0.000%	0.000%
<u>North Mountain</u>	12.64%	16.92%	0.000%	0.000%
<u>Sky Harbor Airport</u>	11.11%	16.00%	0.000%	0.000%
<u>South Mountain</u>	16.77%	21.45%	0.000%	0.000%
<u>Quintero</u>	1.18%	4.99%	0.000%	0.000%
<u>Sacaton</u>	7.65%	10.73%	0.000%	0.000%
<u>Thompson Peak</u>	12.79%	17.47%	0.000%	0.000%
<u>Towers Mountain</u>	11.31%	14.82%	0.000%	0.000%
<u>White Tanks</u>	10.74%	15.29%	0.000%	0.000%
<u>Wickenburg</u>	6.39%	16.44%	0.000%	0.000%



SYSTEM PERFORMANCE (continued)

System Availability

System Availability⁴ (SA) is a measure of the percentage of time that the system operates normally, with no operational impact on the users. Since the system is made up of many Simulcast and ASR subsystems, the SA is the combined availability of all these subsystems. The goal is to keep the system operating as close to 100% available from the user's perspective. Note that failures may occur to various components, but due to the system redundancy, there is no impact on the user. If SA is less than 100%, it may be due to a failure in a single subsystem, with most of the overall network remaining available to the users. System Availability for the RWC network for the 12-month period of July 2023 through June 2024 is shown below:

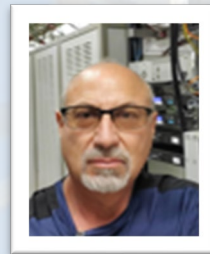
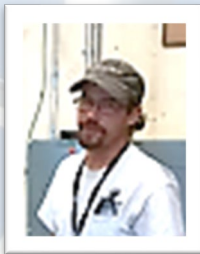
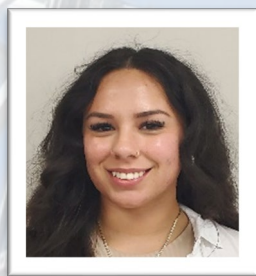
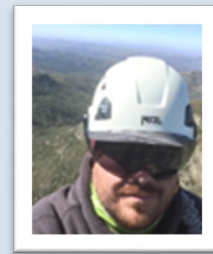
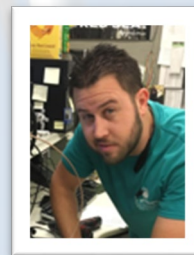
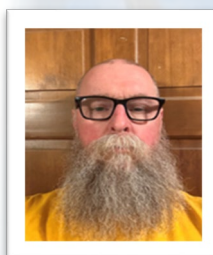
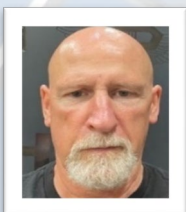
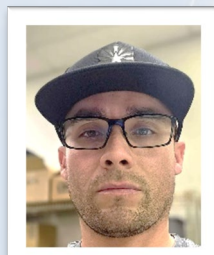
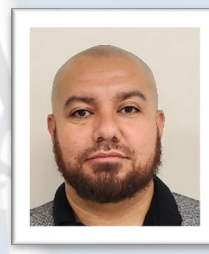
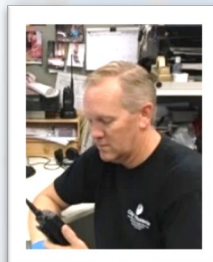
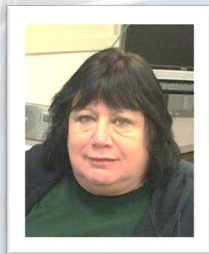
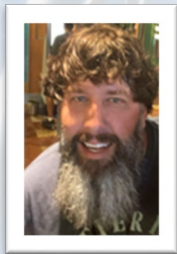
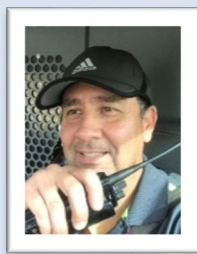
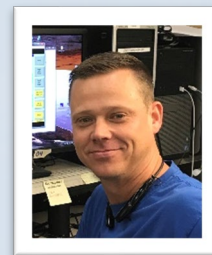
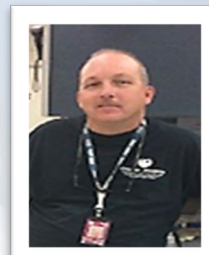
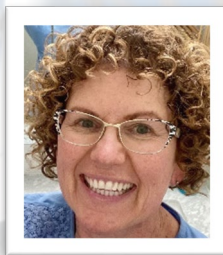
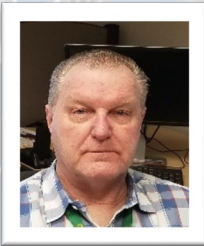
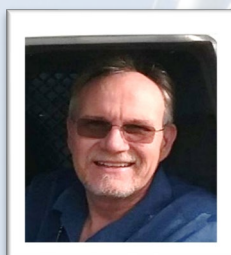
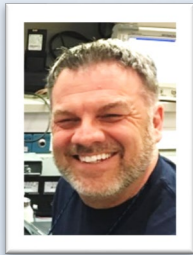
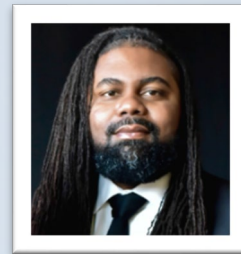
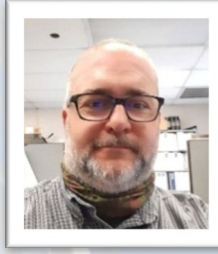
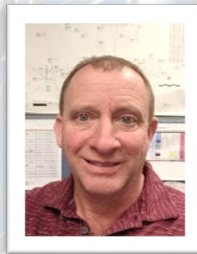
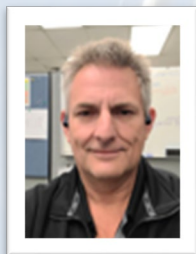
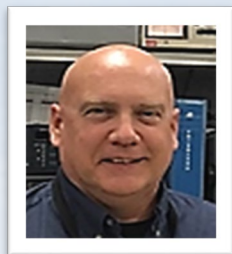


⁴ The industry standard and baseline for system availability of public safety radio systems is 98.5%. The performance of the RWC Network is well above this standard. The scale above has been adjusted to a baseline of 100% to show performance values more easily.



CITY OF PHOENIX RADIO SHOP

The City of Phoenix is the Maintenance Managing Member for all RWC zones except Zone 5 (Simulcast H) which operates in and is managed by the City of Scottsdale. The Phoenix Wireless Systems group has 27 highly qualified, dedicated professionals that work diligently on behalf of the Network. They, along with our Member agencies' wireless communications staff leads are what ensures the Network functions at its highest level.





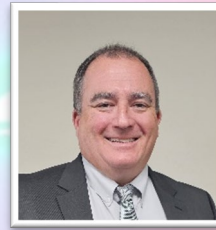
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Regional Wireless Cooperative, Arizona

A Joint Venture

Annual Comprehensive Financial Report

For fiscal year ended June 30

2024



Annual Comprehensive Financial Report

For the Fiscal Year Ended June 30, 2024



A Joint Venture in the State of Arizona

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Regional Wireless Cooperative

An Arizona Joint Venture

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Introductory section



Regional Wireless Cooperative

An Arizona Joint Venture

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December 13, 2024

Board of Directors of the Regional Wireless Cooperative
Citizens of the Greater Phoenix Metropolitan Region

In accordance with the governance of the Regional Wireless Cooperative (RWC), I am pleased to submit the RWC Annual Comprehensive Financial Report for the fiscal year ended June 30, 2024. These financial statements are prepared and presented in conformity with accounting principles generally accepted in the United States of America (GAAP) as prescribed in pronouncements of the Governmental Accounting Standards Board (GASB). To the best of our knowledge and belief, this report is accurate in all material respects and is reported in a manner designed to fairly present the financial position, results of operations and cash flows of the RWC. All disclosures necessary to enable the reader to gain an understanding of the RWC's net position and changes in net position have been included. Management assumes full responsibility for both the accuracy of the data, and the completeness and fairness of the presentation, including all disclosures.

CliftonLarsonAllen, LLP has issued an unmodified ("clean") opinion on the RWC financial statements as of and for the year ended June 30, 2024. The independent auditors' report is located at the front of the financial section of this report. Management's Discussion and Analysis (MD&A) immediately follows the independent auditors' report and provides a narrative introduction, overview, and analysis of the basic financial statements. The MD&A complements this letter of transmittal and should be read in conjunction with it.

PROFILE OF THE REGIONAL WIRELESS COOPERATIVE

The RWC was formed in 2008 to oversee the administration, operation, management, and maintenance of an expanding regional communications network. The RWC was formed through an Intergovernmental governance structure founded on the principles of cooperation for the mutual benefit of all members and has expanded to serve a still-growing list of governmental entities who serve public safety needs.

The RWC is an independent, multi-jurisdictional organization throughout the Greater Phoenix Metropolitan Region which currently consists of 22 cities, towns, fire districts, and governmental agencies, as well as two Associate, one Long-Term Conditional and nearly 50 Interoperability Participating agencies. Member agencies include: Arizona Fire & Medical Authority, City of Avondale, City of Buckeye, City of Chandler, Daisy Mountain Fire & Medical District, City of El Mirage, Federal Reserve Bank of San Francisco, City of Glendale, City of Goodyear, Town of Guadalupe, Harquahala Fire District, City of Maricopa, Maricopa County Community College District, Town of Paradise Valley, City of Peoria, City of Phoenix, City of Scottsdale, Sun City Fire & Medical District, City of Surprise, City of Tempe, City of Tolleson and the Town of Wickenburg.

The RWC comprises both a Motorola ASTRO 25™ 700 MHz digital trunked radio system, and a VHF Simplex system dedicated to Fire hazard-Zone operations. The 700Mhz system is a large, Public Safety-grade radio network based on the APCO Project 25, Phase I/II Standard, consisting of five (5) major simulcast subsystems and ten (10) Astro Site Repeaters (ASR's).

This regional radio communications network was built to serve the interoperable communication needs of first responders and other municipal radio users serving 3.5 million residents across 5,000 square miles of the Greater Phoenix Metropolitan Area. This system provides wide area coverage beyond what individual entities could achieve alone; seamless interoperability (the ability for diverse public safety agencies to communicate directly, in real-time, as the need requires); shared resources (i.e., people, equipment, and tower sites); shared funding; and increased success in obtaining state and federal grant support. Financial responsibilities are distributed amongst all members based on their number of subscriber units (radios) used on the network.

LOCAL ECONOMY

The City has grown steadily since its inception and has shown especially strong growth since 1950. In 1950, the City occupied 17 square miles with a population of almost 107,000, ranking it 99th among American cities. The 1990 census recorded Phoenix's population at 983,403 and the 2010 census recorded Phoenix's population at

1,447,128. As of June 30, 2024, the City encompassed 519.4 square miles, with the City of Phoenix estimating the City's population at 1,692,268.

Metro Phoenix, also known as the Valley of the Sun, is home to a strong and growing transportation system including one of the nation's 10 busiest airports, Sky Harbor International Airport. The airport provides service to more than 125,000 passengers with approximately 1,200 aircraft arriving and departing every day. Flights at Phoenix Sky Harbor International Airport serve more than 120 domestic and 23 international destinations. Other features of the area transportation system are two major railways and excellent interstate highways and local freeways connecting the Valley to major markets and ports in western states and Mexico. The Metro Light Rail System currently covers 28 miles linking Mesa, Tempe, and Phoenix. Expansion plans will include service to south, west and northwest Phoenix.

The Valley has access to a labor pool of several million diverse workers and has a wealth of educational resources to educate new and existing talent. All three Arizona public universities have a presence in the Valley, along with many other public and private academic institutions offering undergraduate and graduate degrees.

Major employers range from hospitals and banks, to universities and aerospace manufacturers. Emerging industries include renewable energy, biotechnology, and data centers. Arizona has a well-managed water and power supply including an abundant supply of electricity from various sources, including the largest U.S. nuclear plant, dams, coal, and gas burning plants as well as wind and solar plants. The water supply to the Valley via canals from local reservoirs and the Colorado River is adequate to meet projected population growth for at least the next 100 years.

LONG TERM FINANCIAL PLANNING

As part of the ongoing program of system upgrades and capabilities, the RWC strives to complete one (1) major system upgrade every two years, apart from those years where major other system-related projects are occurring. These upgrades are included in the rolling RWC Five-Year Plan and budget that is submitted annually to the RWC Board of Directors. In addition, there are many product changes that occur as part of the life of the system. Motorola annually briefs the RWC on the product roadmap for the next five years. The roadmap includes key product changes where support for certain products will be ending, thus necessitating upgrades, replacements and/or changes to these products. The critical product changes that must be considered are those affecting network infrastructure, sites, transport/connectivity, base stations, consoles, and subscriber units.

Fire VHF System Billing

Fire agencies across the Phoenix Metropolitan Region utilize a VHF simplex (radio-to-radio) network for all "hazard zone" (e.g. fire/hazmat) operations. The VHF network operates on a similar, but physically separate infrastructure as the 700 MHz trunked system. The RWC is wholly responsible for oversight and billing responsibilities for the VHF network comprised of over 3,000 VHF-capable radios across the RWC.

MAJOR INITIATIVES

As membership of the RWC has continued to increase, the RWC has embarked on several projects focused on expanding the regional radio network and fortifying its coverage, resiliency, and reliability. The projects include the following:

Service and Cybersecurity

The RWC completed a significant multi-million-dollar contract with Motorola Solutions that will provide maintenance services and managed cyber security detection from FY2023 – FY2028. This will ensure the Network can continue to operate at the level expected by our members and users.

New Members

In recognition of the value of the RWC as a state of the art, truly regional interoperable communications network, the RWC welcomed the Town of Wickenburg as its newest operational Member, along with the Federal Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) as the first Long-Term Conditional Participant. The addition of these agencies means that the RWC is continuing to expand geographically for the benefit of all members as well as providing a higher level of communications which enhances public safety in these areas located in the outer reaches of the Greater Metropolitan Area.

Town of Wickenburg Site

The Town of Wickenburg funded expansion of a new site at the Wickenburg Police Department. The improved site gives much-needed 700 MHz coverage throughout the Town. Connectivity to this new site was accomplished through a partnership with the Arizona Department of Public Safety at the Towers Mountain site in Yavapai County.

City of Surprise Site

The City of Surprise completed a new site located in the northwest portion of Surprise. This will improve coverage across the Northwest Valley for the rapidly growing population in that area.

Emergency Responder Radio Communications System (ERRCS)

The RWC continued to grow our Emergency Responder Communication Systems (ERRCS) program. Our policy governing the use of ERRCS has evolved significantly over the last few years. In working closely with the Valley Fire Marshals, the RWC implemented language requiring that campus style projects must be tied together on a single system. This will prevent campus style projects, often built by multiple sub-contractors, from installing stand-alone ERRCS at each building. The concern is that too many amplifiers in such proximity will raise the noise level so high that they will not only render each other useless, but also impact the entire system negatively.

RELEVANT FINANCIAL POLICIES

General

The City of Phoenix serves as the Administrative Managing Member, responsible for the administration and financial management of the RWC. As such, the RWC follows all administrative and financial management policies and procedures of the City of Phoenix. The RWC has four full-time and one part-time staff members who are employed by the City of Phoenix but funded by the RWC.

Budgeting Systems and Controls

The RWC maintains budgetary controls, which are designed to ensure compliance with the provisions of the annual budget adopted by the RWC Board of Directors. The RWC budget process provides for input from the RWC Members and the Executive Committee in developing revenue and expenditure projections and determines RWC programs and services for the coming year.

Accounting and Administrative Controls

Internal controls are procedures that are designed to protect assets from loss, theft, or misuse; check the accuracy and reliability of accounting data; promote operational efficiency; and encourage compliance with managerial policies at a cost that does not exceed the benefits to be derived. Management of the RWC has established a system of integral internal controls designed to provide reasonable, rather than absolute assurance, that the financial statements are free of any material misstatements and that these objectives are met.

Federal and State financial assistance programs require recipients to comply with many laws and regulations. Administrative controls are procedures designed to ensure compliance with these requirements. The RWC has established a system of administrative controls to ensure compliance with the requirements of the programs under which it receives financial assistance. As with other internal controls, this system is subject to a periodic review and evaluation by management. As part of the annual audit process, internal controls are considered to determine the nature, timing, and extent of auditing procedures.

AWARDS AND ACKNOWLEDGEMENTS

The Government Finance Officers Association of the United States and Canada ("GFOA") awarded a Certificate of Achievement for Excellence in Financial Reporting to the RWC for its annual comprehensive financial report for the fiscal year ended June 30, 2023. The Certificate of Achievement is a prestigious national award recognizing conformance with the highest standards for preparation of state and local government financial reports.

In order to be awarded a Certificate of Achievement, the RWC published an easily readable and efficiently organized annual comprehensive financial report. This report satisfied both generally accepted accounting principles and the applicable legal requirements.

I believe that our current annual comprehensive financial report continues to meet the Certificate of Achievement Program's requirements and am submitting it to the GFOA to determine its eligibility for another certificate.

I want to thank all the members of the RWC Board of Directors, the RWC Executive Committee, the City of Phoenix (City) Information Technology Services Department (ITS), and Phoenix Budget and Research Department (B&R) for their assistance throughout the past year. Special thanks to the City Finance Department for their assistance and support over the past year and in the preparation of this annual comprehensive financial report.

Respectfully submitted,



John W. Imig
RWC Executive Director



Government Finance Officers Association

Certificate of
Achievement
for Excellence
in Financial
Reporting

Presented to

**Regional Wireless Cooperative
Arizona**

For its Annual Comprehensive
Financial Report
For the Fiscal Year Ended

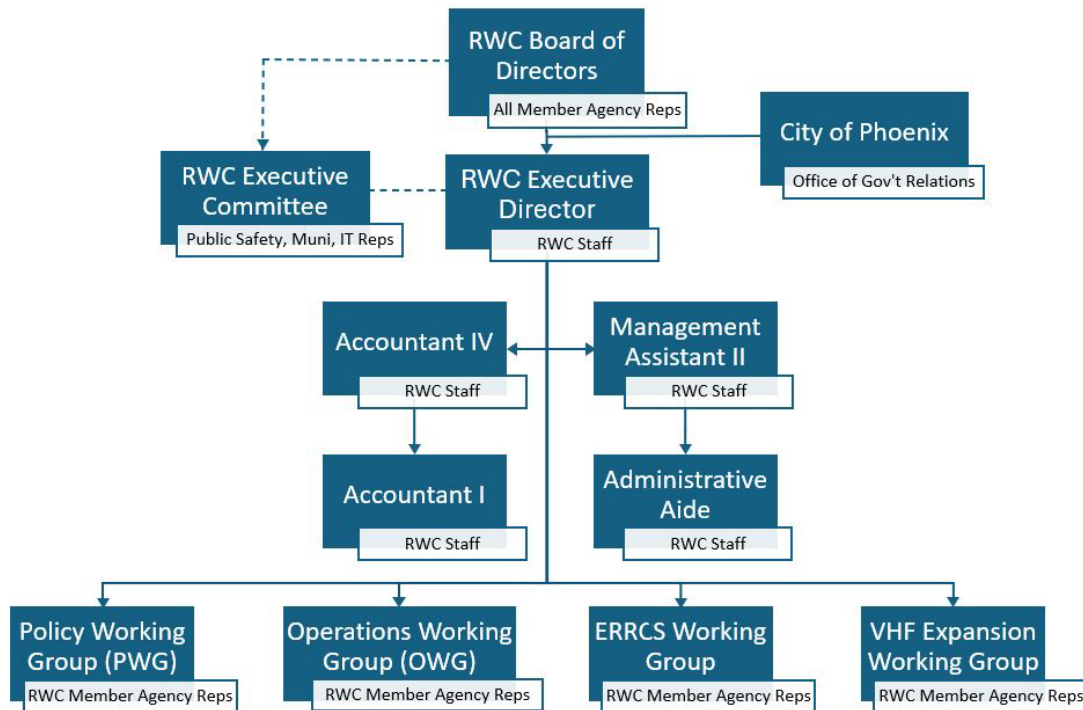
June 30, 2023

Christopher P. Morill

Executive Director/CEO

ORGANIZATIONAL STRUCTURE

The RWC is governed by a Board of Directors, where all representatives and alternates hold a seat, allowing each member agency to vote. The Executive Director, who reports to the Board, serves as a non-voting member of the Executive Committee. The Executive Director is supported by the Executive Committee, along with the Operations, Policy, and other Working Groups, as well as four (4) staff positions who assist with the administration and financial management of the RWC. Both the Executive Director and RWC Staff are City of Phoenix employees working within the Office of Government Relations.



MEMBERS



* Arizona Fire and Medical Authority (AFMA) – Comprised of North County (Sun City West, Wittmann), South County (Sun Lakes, Tonopah), and Buckeye Valley Fire Districts.

BOARD OF DIRECTORS (2024)**Chair**

Andrea Glass*
Assistant Fire Chief
City of Tempe

Vice Chair

Val Gale**
Assistant Chief - Operations
Chandler Fire Department

Shawn Holcomb

Battalion Chief
Arizona Fire and
Medical Authority

Paul Luizzi

Fire Chief
City of Goodyear

Steen Hambric

Chief Information Officer
City of Phoenix

Jeff Scheetz

Chief Information Officer
City of Avondale

Wayne Clement

Fire Chief
Town of Guadalupe

Bianca Lochner

Chief Information Officer
City of Scottsdale

Greg Platacz

IT Director
City of Buckeye

Jeff McMenemy

Fire Chief
Harquahala Fire District

Rob Schmitz

Fire Chief
Sun City Fire & Medical Dept

Alan Zangle

Deputy Chief
Daisy Mountain Fire District

George Burger

Emergency Manager
City of Maricopa

Tracy Montgomery

Deputy City Manager
City of Surprise

Paul Marzocca

Police Chief
City of El Mirage

Kyran 'Joe' Brennan

Police Chief
Maricopa County Community
College District (MCCCD)

Garrett Roberts

Fire Chief
City of Tolleson

Milton 'Douglas' Wiener

Police Chief
Federal Reserve Bank of
San Francisco

Patrick Beumler

Police Commander
Town of Paradise Valley

Les Brown

Police Chief
Town of Wickenburg

Rick St. John

Deputy City Manager
City of Glendale

Douglas Steele

Deputy Chief
Peoria Police Department

* Elected Chair August 2023

**Elected Vice-Chair November 2023



Financial
section



Regional Wireless Cooperative

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CliftonLarsonAllen LLP
CLAAconnect.com

INDEPENDENT AUDITORS' REPORT

Board of Directors
Regional Wireless Cooperative
Phoenix, Arizona

Report on the Audit of the Financial Statements

Opinion

We have audited the accompanying financial statements of the Regional Wireless Cooperative, as of and for the year ended June 30, 2024, and the related notes to the financial statements, which collectively comprise the Regional Wireless Cooperative's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Regional Wireless Cooperative, as of June 30, 2024, and the changes in financial position, and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Regional Wireless Cooperative and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Regional Wireless Cooperative's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

CLA (CliftonLarsonAllen LLP) is an independent network member of CLA Global. See [CLAGlobal.com/disclaimer](https://www.claglobal.com/disclaimer).

(1)

Board of Directors
Regional Wireless Cooperative
Page 2

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Regional Wireless Cooperative's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Regional Wireless Cooperative's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Board of Directors
Regional Wireless Cooperative
Page 3

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with GAAS, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

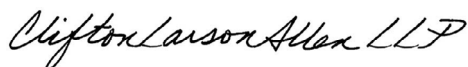
Supplementary Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Regional Wireless Cooperative's basic financial statements. The Members' Operating Fund Reserve, Members' VHF Reserve Fund, Members' Infrastructure Replacement and Enhancement Activity, and Members' Net Operating and Maintenance Expenditures are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with GAAS. In our opinion, the Members' Operating Fund Reserve, Members' VHF Reserve Fund, Members' Infrastructure Replacement and Enhancement Activity, and Members' Net Operating and Maintenance Expenditures are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises the introductory and statistical sections but does not include the basic financial statements and our auditors' report thereon. Our opinion on the basic financial statements does not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.



CliftonLarsonAllen LLP

Phoenix, Arizona
December 18, 2024

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**Management's
discussion and
analysis**



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MANAGEMENT'S DISCUSSION AND ANALYSIS (MD&A) **(Unaudited)**

The following Management Discussion and Analysis (MD&A) of the Regional Wireless Cooperative's (RWC) activities and financial performance provides an introduction to RWC's financial statements as of and for the fiscal year ended June 30, 2024. The information in this MD&A should be considered in conjunction with the information contained in the Letter of Transmittal included in the Introductory Section of this report.

FINANCIAL AND OPERATIONAL HIGHLIGHTS

- Net position for the RWC totaled \$49.1 million at June 30, 2024 and decreased by \$3.3 million compared to fiscal year 2023. The decrease in 2024 is primarily due to the continued depreciation and amortization of capital assets.
- Operating revenues were \$13.9 million for fiscal year 2024 and increased by \$2.4 million compared to fiscal year 2023. The increase in 2024 was primarily due to a \$2.6 million increase in special assessment charges.
- Operating expenses decreased by \$0.2 million to \$17.1 million in fiscal year 2024. This decrease was primarily due to lower depreciation expenses in the current year.

OVERVIEW OF THE FINANCIAL STATEMENTS

This discussion and analysis is intended to serve as an introduction to the RWC's basic financial statements. The RWC's basic financial statements include the statement of net position; statement of revenues, expenses, and changes in net position; statement of cash flows; and notes to the financial statements. The RWC's financial statements are prepared on an accrual basis in accordance with generally accepted accounting principles applicable to a governmental entity.

Enterprise Operations

The RWC is structured as a joint venture, governed by a Board of Directors, with all members of the RWC having a seat and a vote on the Board. The Executive Director reports to the Board of Directors and serves as a non-voting member of the Board-appointed Executive Committee.

The Executive Director is supported by the Executive Committee, Operations Working Group, and other Working Groups, in addition to three staff positions who assist with the administration and financial management of the RWC. The Executive Director and staff are City of Phoenix employees residing in the Office of Government Relations.

RWC'S FINANCIAL ANALYSIS

Net position may serve over time as a useful indicator of the joint venture's financial position. The net position of the RWC decreased by \$3.3 million for the year ended June 30, 2024 as compared to June 30, 2023.

RWC's Condensed Statements of Net Position
as of June 30, 2024 and 2023
 (in thousands)

	June 30	
	2024	2023
Current Assets	\$ 4,797	\$ 4,172
Capital Assets, Net	47,523	51,891
Total Assets	52,320	56,063
 Deferred Outflows of Resources	-	-
 Current Liabilities	1,777	1,470
Noncurrent Liabilities	1,469	2,149
Total Liabilities	3,246	3,619
 Deferred Inflows of Resources	-	-
 Net Investment in Capital Assets	46,039	50,103
Unrestricted	3,035	2,341
Total Net Position	\$ 49,074	\$ 52,444

During fiscal year 2024, current assets increased by \$0.6 million from fiscal year 2023. The increase in pooled cash and investments is due primarily to increased special assessments charges.

Capital assets net decreased by \$4.3 million from fiscal year 2023 primarily due to current year depreciation and amortization expense of \$8.5 million and \$4.1 million of additions related to construction in progress.

Total liabilities decreased in fiscal year 2024 by \$0.3 million from fiscal year 2023 primarily due to a \$0.5 million reduction in unearned revenue and a \$0.3 million reduction in software subscription liability. Accounts payable increased by \$0.1 million compared to fiscal year 2023 due to the timing of vendor payments.

Net position decreased by \$3.3 million to \$49.1 million in fiscal year 2024. This overall decrease is primarily related to the decrease in capital assets, net based on current year depreciation and amortization expense.

**RWC's Condensed Statements of Revenues,
Expenses, and Changes in Net Position
For the Years Ended June 30, 2024 and 2023**
(in thousands)

	June 30	
	2024	2023
Operating Revenues	\$ 13,876	\$ 11,453
Non-Operating Revenues	-	198
Total Revenues	<u>13,876</u>	<u>11,651</u>
Operating Expenses		
Staff and Administrative Allocation	759	622
Operations and Maintenance	7,882	7,429
Depreciation and Amortization	8,504	9,321
Total Operating Expenses	<u>17,145</u>	<u>17,372</u>
Non-Operating Expenses	<u>101</u>	<u>75</u>
Total Expenses	<u>17,246</u>	<u>17,447</u>
Changes in Net Positions	(3,370)	(5,796)
Net Position, July 1	52,444	58,240
Net Position, June 30	<u>\$ 49,074</u>	<u>\$ 52,444</u>

Operating revenues increased by \$2.4 million during 2024 primarily due to a \$2.6 million increase in special assessment charges.

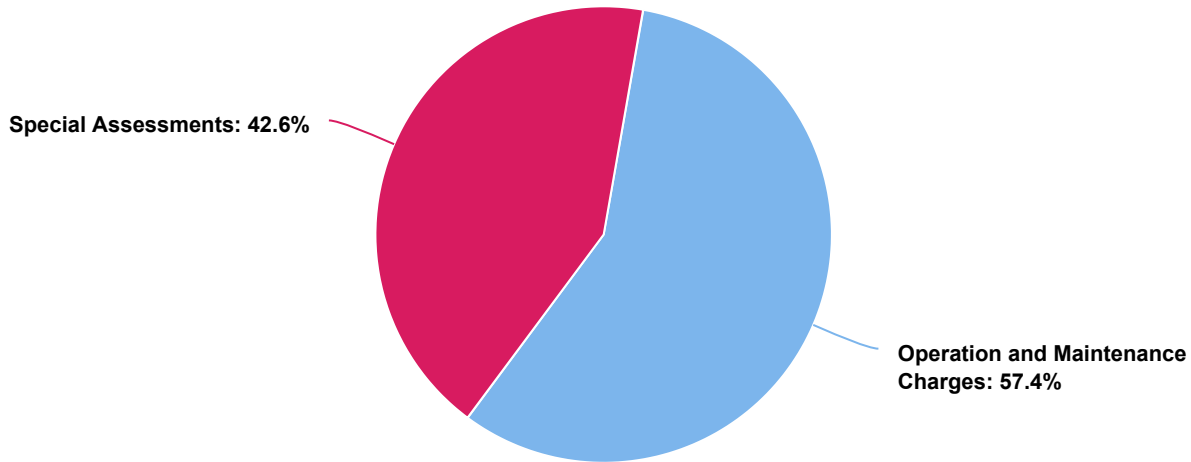
During fiscal year 2024, total operating expenses decreased by \$0.3 million, when compared to fiscal year 2023. This decrease was primarily due to lower depreciation expense in the current year.

OPERATING REVENUES

The RWC's revenue is primarily generated by charges to the joint venture members for operations and maintenance costs, special assessments, and an operating reserve. For fiscal year 2024, revenues amounted to \$13.9 million of which \$8.0 million is revenue from operations and maintenance and \$5.9 million is from special assessments.

The following chart depicts the RWC's operating revenues by category for the year ended June 30, 2024:

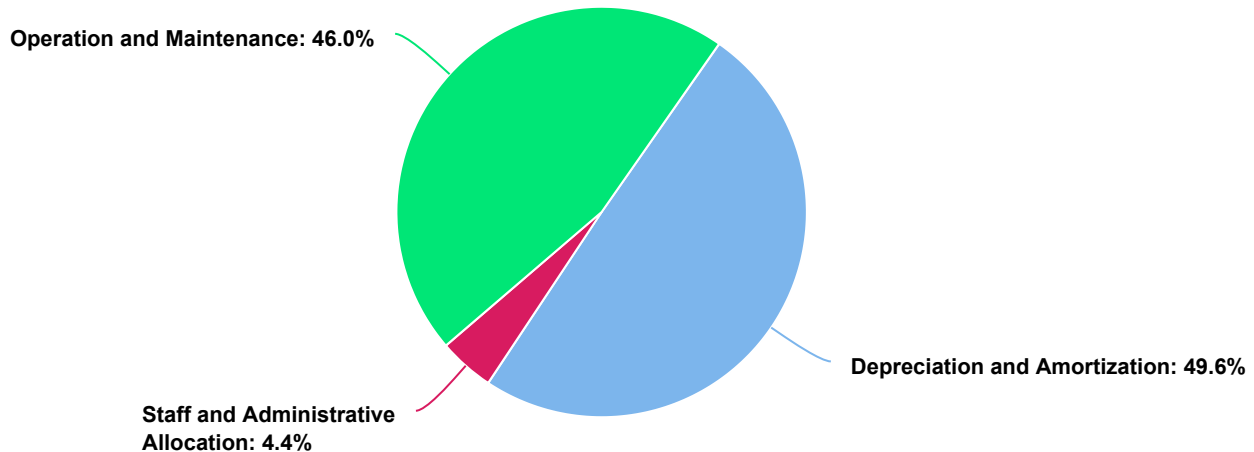
Operating Revenues
Total = \$13,876
(in thousands)



OPERATING EXPENSES

The following chart depicts the RWC's operating expenses by category for the year ended June 30, 2024:

Operating Expenses
Total = \$17,145
(in thousands)



CAPITAL AND SUBSCRIPTION ASSETS

The RWC’s capital and subscription assets as of June 30, 2024 amounts to \$47.5 million (net of accumulated depreciation) and \$51.9 million as of June 30, 2023. Net capital assets decreased by \$4.3 million during fiscal year 2024 due primarily to depreciation and amortization expense. For additional information on RWC’s capital assets, please refer to the Notes to the Financial Statements, Note 1, Organization and Summary of Significant Accounting Policies; Note 3, Capital and Subscription Assets; and Note 5, Subscription-Based Information Technology Arrangements.

RWC’s Capital and Subscription Assets

(in thousands)

	June 30	
	2024	2023
Buildings	\$ 28,842	\$ 28,842
Improvements other than Buildings	4,830	4,830
Equipment	123,262	123,262
Intangible Assets	21,086	21,086
Subscription Assets	2,069	2,069
Construction in Progress	9,355	5,219
Accumulated Depreciation and Amortization	(141,921)	(133,417)
Capital Assets, Net	<u>\$ 47,523</u>	<u>\$ 51,891</u>

REQUEST FOR FINANCIAL INFORMATION

This financial report is designed to provide a general overview of RWC’s finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the Regional Wireless Cooperative, 200 West Washington Street, 14th Floor, Phoenix, Arizona, 85003-1611.



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**Basic financial
statements**



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**Regional Wireless Cooperative
Statement of Net Position**

June 30, 2024

(in thousands)

ASSETS	
Current Assets	
Unrestricted Assets	
Equity in Pooled Cash and Investments	\$ 2,101
Equity in Pooled Cash and Investments - Operating Reserve	1,020
Equity in Pooled Cash and Investments - VHF Reserve	62
Equity in Pooled Cash and Investments - Capital Reserve	<u>1,614</u>
Total Unrestricted Assets	4,797
Total Current Assets	<u>4,797</u>
Noncurrent Assets	
Capital Assets	
Buildings	28,842
Improvements other than Buildings	4,830
Equipment	123,262
Intangible Assets	21,086
Subscription Assets	2,069
Construction in Progress	9,355
Less: Accumulated Depreciation and Amortization	<u>(141,921)</u>
Capital Assets, Net	<u>47,523</u>
Total Assets	<u>52,320</u>
DEFERRED OUTFLOWS OF RESOURCES	
Total Deferred Outflows of Resources	<u>-</u>
LIABILITIES	
Current Liabilities	
Accounts Payable	173
Members' Payable	1,231
Subscription Liabilities	330
Accrued Expenses	<u>358</u>
Total Current Liabilities	<u>2,092</u>
Noncurrent Liabilities	
Subscription Liabilities	<u>1,154</u>
Total Noncurrent Liabilities	<u>1,154</u>
Total Liabilities	<u>3,246</u>
DEFERRED INFLOWS OF RESOURCES	
Total Deferred Inflows of Resources	<u>-</u>
NET POSITION	
Net Investment in Capital Assets	46,039
Unrestricted	<u>3,035</u>
Net Position	<u>\$ 49,074</u>

The accompanying notes are an integral part of these financial statements.

**Regional Wireless Cooperative
 Statement of Revenues, Expenses, and
 Changes in Net Position
 For the Fiscal Year Ended June 30, 2024
 (in thousands)**

Operating Revenues	
Operations and Maintenance Charges	\$ 7,969
Special Assessments	5,907
Total Operating Revenues	13,876
Operating Expenses	
Staff and Administrative Allocation	759
Operation and Maintenance	7,882
Depreciation and Amortization	8,504
Total Operating Expenses	17,145
Operating Loss	(3,269)
Non-Operating Revenues (Expenses)	
Investment Income (Loss)	(38)
Interest on Subscription Liability	(63)
Total Non-Operating Revenues	(101)
Changes in Net Position	(3,370)
Net Position, July 1	52,444
Net Position, June 30	\$ 49,074

The accompanying notes are an integral part of these financial statements.

Regional Wireless Cooperative
Statement of Cash Flows
For the Fiscal Year Ended June 30, 2024
(in thousands)

Cash Flows from Operating Activities	
Cash Received from Members	\$ 13,930
Cash Paid to Suppliers	(8,115)
Cash Paid for Staff and Administration Allocation	(595)
Net Cash Provided by Operating Activities	<u>5,220</u>
Cash Flows from Capital and Related Financing Activities	
Acquisition and Construction of Capital Assets	(4,136)
Principal Paid on Subscription Liability	(304)
Interest Paid on Subscription Liability	(63)
Net Cash Used by Capital and Related Financing Activities	<u>(4,503)</u>
Cash Flows from Investing Activities	
Income (Loss) on Investments	(38)
Net Cash Provided by Investing Activities	<u>(38)</u>
Increase in Cash and Cash Equivalents	679
Cash and Cash Equivalents, July 1	<u>4,118</u>
Cash and Cash Equivalents, June 30	<u>\$ 4,797</u>
Reconciliation of Operating Loss to Net Cash	
Provided by Operating Activities	
Operating Loss	\$ (3,269)
Adjustments	
Depreciation and Amortization	8,504
Change in Assets and Liabilities	
Accounts Receivable	54
Accounts Payable	74
Members' Payable	189
Accrued Expenses	164
Unearned Revenue	(496)
Net Cash Provided by Operating Activities	<u>\$ 5,220</u>

The accompanying notes are an integral part of these financial statements.



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**Notes to the
financial
statements**





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The Notes to the Financial Statements include a summary of significant accounting policies and other disclosures necessary for a clear understanding of the accompanying financial statements.

An index to the notes follows:

Note	Description	Page
1	Organization and Summary of Significant Accounting Policies	19
2	Cash and Pooled Investments	22
3	Capital and Subscription Assets	24
4	Long-Term Obligations	25
5	Subscription-Based Information Technology Arrangements	25
6	Risk Management	25
7	Members' Equity	26
8	Related Party Transactions	26
9	Commitments and Contingencies	26

The Regional Wireless Cooperative (RWC) was formed in 2008 to oversee the administration, operation, management, and maintenance of the expanding regional communication network. The RWC is an Arizona joint venture, multi-jurisdictional organization throughout the Phoenix Metropolitan Region which currently consists of 22 members. The RWC is a large, Public Safety radio network based on the Project 25, Phase I Standard. The network is an ASTRO 25™, integrated voice and data, trunked radio system that operates in the 700/800 MHz frequency bands and uses standard Simulcast, IP Simulcast, and individual site trunking. The network consists of seven major simulcast subsystems and ten Astro Site Repeaters (ASR's).

The system provides seamless, wide area coverage in and around Central Arizona's Valley of the Sun. The system is data capable, but at the current time is only used in a data capacity to provide encryption services.

Some of the benefits of this large regional radio system include wide area coverage beyond what cities could achieve individually; seamless interoperability (the ability for diverse public safety agencies to communicate directly, in real time, as the need requires); shared resources; such as people, equipment, and tower sites and funding; and increased success in obtaining state and federal grant support. Financial responsibilities are shared by all members based on their relative size, and is measured by the number of subscriber units on the network.

1. **Organization and Summary of Significant Accounting Policies**

The accompanying financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental units. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles.

The RWC is a special purpose governmental entity, engaged only in business-type activities. It is required to present the financial statements required for enterprise funds, which include a statement of net position, a statement of revenues, expenses and changes in net position, and a statement of cash flows. It also requires a Management's Discussion and Analysis as required supplementary information.

The RWC's other significant accounting and financial policies are described as follows:

Reporting Entity

The RWC is structured and reported as a joint venture between the members. Each member includes their equity in the joint venture in their respective basic financial statements. The accompanying financial statements present the financial position of the RWC only. The RWC does not have any component units.

Basis of Accounting

The RWC is accounted for using the flow of economic resources measurement focus and the accrual basis of accounting. All assets, liabilities, net position, revenues, and expenses are accounted for through an enterprise fund. Revenues are recorded when earned and expenses recorded at the time the liabilities are incurred.

The Statement of Net Position presents the reporting entity's assets and liabilities, with the difference reported as net position. Net position is reported in three components:

Net investment in capital assets consists of capital assets, net of accumulated depreciation and amortization and is reduced by outstanding balances for bonds, notes, and other debt that are attributed to the acquisition, construction, or improvement of those assets.

Restricted results when constraints placed on asset use are either externally imposed by creditors, grantor, contributors, and the like, or imposed by law through constitutional provisions or enabling legislation.

Unrestricted consist of those assets which do not meet the definition of the two preceding categories. Unrestricted often are designated to indicate that management does not consider them to be available for general operations. The unrestricted component often has constraints on resources which are imposed by management, but can be removed or modified by the RWC Board of Directors.

The Statement of Revenues, Expenses, and Changes in Net Position demonstrates the degree to which the expenses are offset by revenues. Operating revenues are members' charges and other miscellaneous revenues that are received based on the ongoing activities of the RWC. Operating expenses are those incurred for network operations, maintenance, administration and depreciation of capital assets. Non-operating revenues and expenses are items that are not a result of the direct operations of the network, including interest.

Cash and Pooled Investments

Equity in pooled cash and investments on the Statement of Net Position and cash and cash equivalents on the Statement of Cash Flows consists only of pooled investments. Pooled investments are cash equivalents and are held in the investment pool of the City of Phoenix, Arizona (City). The City's cash resources are combined to form a cash and investment pool managed by the City Treasurer. Interest earned by the pool is distributed monthly to the RWC based on daily equity in the pool.

The RWC's pooled investments are stated at fair value, except for repurchase agreements with original maturities of one year or less which are valued at cost that approximates fair value. Fair value is based on quoted market prices as of the valuation date.

Receivables

Management analyzes receivables periodically to determine whether an allowance for doubtful accounts should be recorded. There is no current provision required for possible bad debts.

Capital and Subscription Assets

Capital assets are recorded at historical cost. Donated capital assets are recorded at the estimated acquisition value at the date of donation. Depreciation is computed using the straight-line method over the estimated useful lives of the related assets as follows:

Land	Not depreciated
Buildings	10-40 years
Improvements other than Buildings	10-50 years
Equipment	5-30 years
Intangible assets	5-40 years
Construction in progress	Not depreciated

Subscription assets are initially recorded at the initial measurement of the subscription liability, plus subscription payments made at or before the commencement of the subscription-based information technology arrangement (SBITA) term, less any SBITA vendor incentives received from the SBITA vendor at or before the commencement of the SBITA term, plus capitalizable initial implementation costs. Subscription assets are amortized on a straight-line basis over the shorter of the SBITA term or the useful life of the underlying IT asset.

A gain or loss on disposal of capital assets is recognized when assets are retired from service or are otherwise sold or removed. The minimum capitalization policy is \$5,000 or more with an estimated useful life exceeding two years.

Members' Payable

The RWC reports members' payable in connection with revenues from billings to members. Members' payable at June 30, 2024 was \$1,230,714.

Operating Revenues

Operating revenues include members' charges and other revenues. Members' charges are contributions received from the members for costs of operation and maintenance, administration, and the construction of capital assets. All operating revenues are recognized when earned. Members' charges for operating costs are earned ratably throughout the year.

Operating Expenses

Operating expenses include operation and maintenance expenses; depreciation and amortization; and administrative expenses. Administrative expenses include direct administrative costs for RWC assigned staff. Operating, maintenance, and administrative costs are allocated to the members based on the number of operable subscribers on the network.

Application of Restricted or Unrestricted Resources

In cases where an expense is incurred for purposes for which both restricted and unrestricted resources are available, the expense is first applied to the restricted resources.

Budget

The RWC assigned staff prepares and presents the operating and capital budget to the Executive Committee. The budget includes operations and maintenance, administration costs as well as planned capital costs. The budget is forwarded to the RWC Board of Directors for approval and adoption. It is the responsibility of each RWC member to take appropriate steps in conformity with the state and local laws to ensure that it appropriates sufficient funds to cover its obligation. The budget is prepared in sufficient detail to facilitate its use by management in monitoring operations.

Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make a number of estimates and assumptions that affect the reported amount of assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

New Accounting Pronouncements Adopted in 2024:

GASB Statement No. 100, ***Accounting Changes and Error Corrections***, addresses accounting and financial reporting for accounting changes and error corrections. The RWC has determined there is no impact to the financial statements as a result of this Statement.

Pronouncements Issued But Not Yet Effective:

GASB has issued the following pronouncements that may affect future financial position, results of operations, cash flows, or financial presentation of RWC upon implementation. RWC has not fully determined the effect these pronouncements will have on the RWC's financial statements.

GASB Statement No.	GASB Accounting Standard	Effective Fiscal Year
101	Compensated Absences	2025
102	Certain Risk Disclosures	2025
103	Financial Reporting Model Improvements	2026
104	Disclosure of Certain Capital Assets	2026

2. **Cash and Pooled Investments**

The RWC did not have cash on hand as of June 30, 2024. Pooled investments are maintained in the cash and investment pool of the City. RWC does not have a formal investment policy. The investment policy is maintained with the City.

Pooled Investments

The RWC investments are included in the City's pooled investments. The City Charter and ordinances authorize the City to invest in U.S. Treasury securities, securities guaranteed, insured or backed by the full faith and credit of the U.S. Government, U.S. Government agency securities, repurchase agreements, commercial paper, money market accounts, certificates of deposit, the State Treasurer's Local Government Investment Pool "LGIP", highly rated securities issued or guaranteed by any state or political subdivision thereof rated in the highest short-term or second highest long-term category, and investment grade corporate bonds, debentures, notes and other evidence of indebtedness issued or guaranteed by a solvent U.S. corporation which are not in default as to principal or interest. Investments are carried at fair value. It is the City's policy generally to hold investments until maturity. A detailed listing of City investments can be found in the City Annual Financial Report in Note 5 in the Notes to the Financial Statements.

RWC maintains a portion of its unrestricted cash and investments in the City's cash and investment pool. Total investments for RWC at June 30, 2024 stated at fair value was \$4.8 million.

Fair Value Hierarchy

The City categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure fair value of the assets.

The three levels of the fair value hierarchy are as follows:

- Level 1 inputs are quoted prices in an active market for identical assets;
- Level 2 inputs are significant other observable inputs;
- Level 3 inputs are significant unobservable inputs.

The following is a summary of the fair value hierarchy of the fair value of City pooled investments as of June 30, 2024 (in thousands):

Investments by Fair Value Level	Fair Value Measurement Using			
	6/30/2024	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
U.S. Treasury Securities	\$ 3,728,873	\$ 15,743	\$ 3,713,130	\$ -
U.S. Government Agency Obligations	1,026,627	-	1,026,627	-
U.S. Government Agency MBS/CMO	91,229	-	91,229	-
Municipal Bonds	19,958	-	19,958	-
Commercial Paper	74,208	-	74,208	-
Total Investments, Including Those Classified as Cash Equivalents by Fair Value Level	\$ 4,940,895	\$ 15,743	\$ 4,925,152	\$ -

U.S. Government securities totaling \$15.7 million in fiscal year 2024 are classified in Level 1 of the fair value hierarchy and are valued using quoted prices in active markets.

U.S. Treasury securities totaling \$3.7 billion, U.S. government agency obligations totaling \$1.0 billion, U.S. government agency MBS/CMO totaling \$91.2 million, municipal bonds totaling \$20.0 million and commercial paper totaling \$74.2 million in fiscal year 2024 are classified in Level 2 of the fair value hierarchy and are valued using matrix pricing techniques maintained by various pricing vendors. Matrix pricing is used to value securities based on the securities' relationship to benchmark quoted prices. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. These prices are obtained from a pricing source.

Interest Rate Risk

In order to limit interest rate risk, the City's investment policy limits maturities as follows:

U.S. Treasury Securities	5 year final maturity
Securities guaranteed, insured, or backed by the full faith and credit of the U.S. Government	5 year final maturity
U.S. Government Agency Securities	5 year final maturity
Repurchase Agreements	60 days
Municipal Obligations	5 years for long-term issues
Money Market Mutual Funds	90 days
Commercial Paper	270 days
Corporate Debt	5 year final maturity

For Mortgage Backed Securities (MBS) and Collateralized Mortgage Obligations (CMO), the maximum weighted average life using current Public Securities Association (PSA) prepayment assumption shall be twelve years at the time of purchase for MBS and five years at the time of purchase for CMO. For Commercial Mortgaged Back Securities (CMBS) designated as "green", the final maturity is less than ten years.

Credit Risk

The City's investment policy limits its purchase of investments to the top ratings issued by nationally recognized statistical rating organizations such as Standard & Poor's "S&P" and Moody's Investors Service "Moody's". The portfolio is primarily invested in securities issued by the U.S. Treasury or by U.S. Government Agency Securities which are rated Aaa by Moody's and AA+ by S&P. Repurchase agreements are collateralized by U.S. Treasuries at 102%. In addition, the portfolio is invested in pre-refunded or escrowed to maturity municipal securities for which the payment of interest, and ultimately the repayment of the principal, is backed by U.S. Treasury Securities, U.S. Government Agencies or cash. Municipal securities must have a short-term minimum rating of A1 by S&P and P1 by Moody's and a long-term uninsured rating of A+ by S&P and A1 by Moody's. Money market mutual funds must have a current minimum money market rating of AAAM by S&P and Aaa by Moody's. For commercial paper, an Issuer's program must have a minimum rating of "A1" by S&P and "P1" by Moody's. The issuing corporation must be organized and operating in the United States and have a minimum long-term debt rating of "A+" by S&P and "A1" by Moody's. Programs rated by only one of the agencies are ineligible. Corporate debt securities must have a long-term minimum rating of AAA by S&P and Aaa by Moody's.

Concentration of Credit Risk

Investments in any one issuer, excluding U.S. governments, that represent 5% or more of total City investment are as follows (in thousands):

Issuer	Fair Value
FHLB	\$716,376

3. **Capital and Subscription Assets**

Capital and subscription asset activity for the fiscal year ended June 30, 2024 was as follows (in thousands):

	Beginning			Ending
	Balance	Increases	Decreases	Balance
Non-depreciable Assets				
Construction in Progress	\$ 5,219	\$ 4,136	\$ -	\$ 9,355
Total Non-depreciable Assets	5,219	4,136	-	9,355
Depreciable Assets				
Buildings	28,842	-	-	28,842
Improvements other than Buildings	4,830	-	-	4,830
Equipment	123,262	-	-	123,262
Intangible Assets	21,086	-	-	21,086
Subscription Assets	2,069	-	-	2,069
Total Depreciable Assets	180,089	-	-	180,089
Accumulated Depreciation and Amortization				
Buildings	(10,769)	(794)	-	(11,563)
Improvements other than Buildings	(3,039)	(237)	-	(3,276)
Equipment	(103,612)	(4,785)	-	(108,397)
Intangible Assets	(15,652)	(2,343)	-	(17,995)
Subscription Assets	(345)	(345)	-	(690)
Total Accumulated Depreciation and Amortization	(133,417)	(8,504)	-	(141,921)
Total Depreciable Assets, Net	46,672	(8,504)	-	38,168
Total Capital Assets, Net	\$ 51,891	\$ (4,368)	\$ -	\$ 47,523

4. Long-Term Obligations

Changes in long-term obligations by type during the fiscal year ended June 30, 2024 was as follows (in thousands):

	Beginning			Ending	Amounts Due
	Balance	Additions	Reductions	Balance	Within One Year
Subscriptions	1,788	-	304	1,484	330
Total	\$ 1,788	\$ -	\$ 304	\$ 1,484	\$ 330

5. Subscription-Based Information Technology Arrangements

Per GASB Statement No. 96, a subscription-based information technology arrangement (SBITA) is defined as a contract that conveys control of the right to use another party's (a SBITA vendor's) information technology (IT) software, alone or in combination with tangible capital assets (the underlying IT assets), as specified in the contract for a period of time in an exchange or exchange-like transaction. The measurement of the subscription liabilities is based on the present value of lease payments expected to be paid during the subscription term, such as fixed payments, variable payments that depend on an index or rate, variable payments that are fixed in substance, and residual value guarantee payments that are fixed in substance.

As of June 30, 2024, the RWC had minimum principal and interest payment requirements for its subscription activities, with a remaining term more than one year, as follows (in thousands):

Fiscal Year Ending				
	June 30	Principal	Interest	Total
2025		\$330	\$51	\$381
2026		356	38	394
2027		384	24	408
2028		414	9	423
		<u>\$1,484</u>	<u>\$122</u>	<u>\$1,606</u>

6. Risk Management

RWC's insurance program is administered by the City of Phoenix Risk Management Division of the Finance Department. RWC is charged annually for its share of insurance coverage. For fiscal year 2024, RWC was charged \$122,020 for insurance premiums. The members proportionately share the costs of the insurance program according to the provisions of the intergovernmental agreement. The City of Phoenix maintains a \$7.5 million self-insured retention for third-party liability claims. Losses which exceed the retention levels are covered by commercial insurance purchased through the City. Self-insured claims are reported as liabilities in the City of Phoenix's basic financial statements when it is probable that a loss has occurred and the amount of that loss can be reasonably estimated. This determination is based on an independent actuarial analysis of reported claims and estimated claims incurred but not reported. For the year ended June 30, 2024, there were no reductions in insurance coverage from the prior year and settled claims have not exceeded insurance coverage for the past three years. In the opinion of management, no provision for claims is required in the accompanying financial statements.

7. **Members' Equity**

A summary of the joint venture members' equity as of June 30, 2024 is as follows:

Arizona Fire & Medical Authority*	\$ 490,560
City of Avondale	442,074
City of Buckeye	318,210
City of Chandler	1,358,533
Daisy Mountain Fire District	119,478
City of El Mirage	203,482
Federal Reserve Bank	2,924
City of Glendale	1,926,858
City of Goodyear	742,528
Town of Guadalupe	53,138
Harquahala Fire District	6,818
City of Maricopa	887,039
Maricopa County Community College District	190,876
Town of Paradise Valley	297,436
City of Peoria	1,531,714
City of Phoenix	30,046,692
City of Scottsdale	3,074,560
Sun City Fire District	377,863
City of Surprise	1,263,117
City of Tempe	5,274,498
City of Tolleson	122,006
Town of Wickenburg	343,548
Total Members' Equity	<u>\$ 49,073,952</u>

* Buckeye Valley Fire District merged with Arizona Fire & Medical Authority during fiscal year 2024

8. **Related Party Transactions**

Staff and administrative costs allocated by the City to RWC were \$758,556 for the year ended June 30, 2024. These costs include: salaries, radio operator charges, photocopy equipment, office supplies, computer software, computer components, motor pool, and security charges. The City subsidizes central services costs for the RWC. These costs include: building maintenance, custodial services, electrical maintenance, money management, accounts payable, various financial services, materials management, human resources, safety, fringe benefit administration, labor relations, training, network services, communication services, and general management services.

As RWC has no employees, the City assigned four full-time and one part-time staff to RWC as of June 30, 2024 and compensation totaled \$698,419 for the year ended June 30, 2024.

RWC's full-time staff are employed by the City of Phoenix, Arizona and participate in the City of Phoenix Employees' Retirement Plan (COPERS). In addition to normal retirement benefits, COPERS also provides for disability and survivor benefits, as well as deferred pensions for former employees. Pension benefits vest after five years for general City employees.

The City provides certain post-employment health care benefits for its retired employees. Retirees meeting certain qualifications are eligible to participate in the City's health insurance program along with the City's active employees.

9. **Commitments and Contingencies**

The RWC has entered into contractual agreements with Motorola to provide services related to maintenance, operations, and upgrades of the RWC Network. The percentages of the total RWC budget for these agreements were 58% for the year ended June 30, 2024.

At this point in time, RWC is not involved in any litigation and claims arising in the normal course of operations. In the opinion of management based on consultation with legal counsel, losses, if any, from pending litigation and claims are covered by insurance or are immaterial; therefore, no provision has been made in the accompanying financial statements for losses, if any, that might arise from the ultimate outcome of these matters.



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**Supplementary
Information**



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**Regional Wireless Cooperative
Members' Operating Fund Reserve
For the Fiscal Year Ended June 30, 2024**

RWC members maintain an operating fund reserve to provide cash flow for cost of operating and maintenance of the Network. Each member's obligation to fund the balance reserve is proportionate to its subscriber units in use on the Network at the time the fee is assessed.

Member	Beginning Balance July 1, 2023	Contributions	Adjustments*	Interest	Expenditures	Ending Balance June 30, 2024
Arizona Fire & Medical						
Authority**	\$ 11,105	\$ -	\$ 18	\$ 472	\$ -	\$ 11,595
City of Avondale	20,069	-	(5)	853	-	20,917
City of Buckeye	18,421	-	(5)	783	-	19,199
City of Chandler	53,390	-	(42)	2,269	-	55,617
Daisy Mountain Fire District	8,051	-	114	347	-	8,512
City of El Mirage	6,278	-	1	267	-	6,546
Federal Reserve Bank	1,450	-	-	62	-	1,512
City of Glendale	54,596	-	(11)	2,322	-	56,907
City of Goodyear	15,129	-	(3)	643	-	15,769
Town of Guadalupe	565	-	-	24	-	589
Harquahala Fire District	518	-	-	22	-	540
City of Maricopa	12,185	-	23	519	-	12,727
Maricopa County Community						
College District	11,681	-	(4)	497	-	12,174
Town of Paradise Valley	4,297	-	1	183	-	4,481
City of Peoria	47,803	-	(10)	2,033	-	49,826
City of Phoenix	528,623	-	(117)	22,477	-	550,983
City of Scottsdale	78,626	-	(17)	3,343	-	81,952
Sun City Fire District	3,698	-	13	158	-	3,869
City of Surprise	29,955	-	55	1,276	-	31,286
City of Tempe	62,110	-	(13)	2,641	-	64,738
City of Tolleson	6,831	-	2	291	-	7,124
Town of Wickenburg	-	2,906	-	124	-	3,030
	<u>\$ 975,381</u>	<u>\$ 2,906</u>	<u>\$ -</u>	<u>\$ 41,606</u>	<u>\$ -</u>	<u>\$ 1,019,893</u>

*Based on an inception-to-date analysis of contributions by members.

** Buckeye Valley Fire District merged with Arizona Fire & Medical Authority during fiscal year 2024

**Regional Wireless Cooperative
 Members' VHF Fund Reserve
 For the Fiscal Year Ended June 30, 2024**

RWC Conventional Network members maintain an operating fund reserve to provide cash flow for cost of operating and maintenance of the VHF Network. Each member's obligation to fund the balance reserve is proportionate to its subscriber units in use on the VHF Network at the time the fee is assessed.

Member	Beginning Balance			Ending Balance		
	July 1, 2023	Contributions	Interest	Expenditures	June 30, 2024	
Arizona Fire & Medical Authority*	\$ 2,398	\$ -	\$ 101	\$ -	\$ 2,499	
City of Avondale	1,142	-	49	-	1,191	
City of Buckeye	1,570	-	67	-	1,637	
City of Chandler	2,646	-	113	-	2,759	
Daisy Mountain Fire District	1,158	-	49	-	1,207	
City of El Mirage	381	-	14	-	395	
City of Glendale	2,581	-	110	-	2,691	
City of Goodyear	1,191	-	51	-	1,242	
Town of Guadalupe	117	-	5	-	122	
Harquahala Fire District	183	-	8	-	191	
City of Maricopa	843	-	36	-	879	
City of Peoria	2,117	-	90	-	2,207	
City of Phoenix	31,839	-	1,357	-	33,196	
City of Scottsdale	3,788	-	161	-	3,949	
Sun City Fire District	926	-	39	-	965	
City of Surprise	1,936	-	82	-	2,018	
City of Tempe	3,969	-	171	-	4,140	
City of Tolleson	379	-	16	-	395	
	<u>\$ 59,164</u>	<u>\$ -</u>	<u>\$ 2,519</u>	<u>\$ -</u>	<u>\$ 61,683</u>	

* Buckeye Valley Fire District merged with Arizona Fire & Medical Authority during fiscal year 2024

**Regional Wireless Cooperative
Members' Infrastructure Replacement and Enhancement Activity
For the Fiscal Year Ended June 30, 2024**

RWC Members fund the Infrastructure Replacement and Enhancement Fund through RWC Board of Directors formal resolution stating the purpose of the project, term of project, total cost of project, and each RWC Member's fixed share of the project cost programmed across the specified term. Funds are used to pay for network upgrades and system enhancements.

Member	Beginning Balance	Contributions	Interest	Expenditures	Ending Balance
	July 1, 2023				June 30, 2024
Arizona Fire & Medical Authority	\$ 12,923	\$ -	\$ 234	\$ (6,482)	\$ 6,675
City of Avondale	50,325	-	913	(25,078)	26,160
City of Buckeye	36,756	-	667	-	37,423
City of Chandler	183,716	-	3,331	(179,117)	7,930
Daisy Mountain Fire District	965	-	17	-	982
City of El Mirage	15,613	-	283	(3,735)	12,161
City of Glendale	129,517	-	2,348	-	131,865
City of Goodyear	8,321	-	151	-	8,472
Town of Guadalupe	2,093	-	38	(2,779)	(648)
City of Maricopa	26,207	-	475	(3,892)	22,790
Maricopa County Community					
College District	37,818	-	686	(2,260)	36,244
City of Peoria	164,989	-	2,992	(1,854)	166,127
City of Phoenix	908,108	-	16,468	-	924,576
City of Scottsdale	264,726	-	4,801	(187,638)	81,889
Sun City Fire District	9,534	-	173	(5,138)	4,569
City of Surprise	76,317	-	1,384	(73,732)	3,969
City of Tempe	132,193	-	2,397	-	134,590
City of Tolleson	5,506	-	100	(4,183)	1,423
	<u>\$ 2,065,627</u>	<u>\$ -</u>	<u>\$ 37,458</u>	<u>\$ (495,888)</u>	<u>\$ 1,607,197</u>

**Regional Wireless Cooperative
 Members' Net Operating and Maintenance Expenditures
 For the Fiscal Year Ended June 30, 2024**

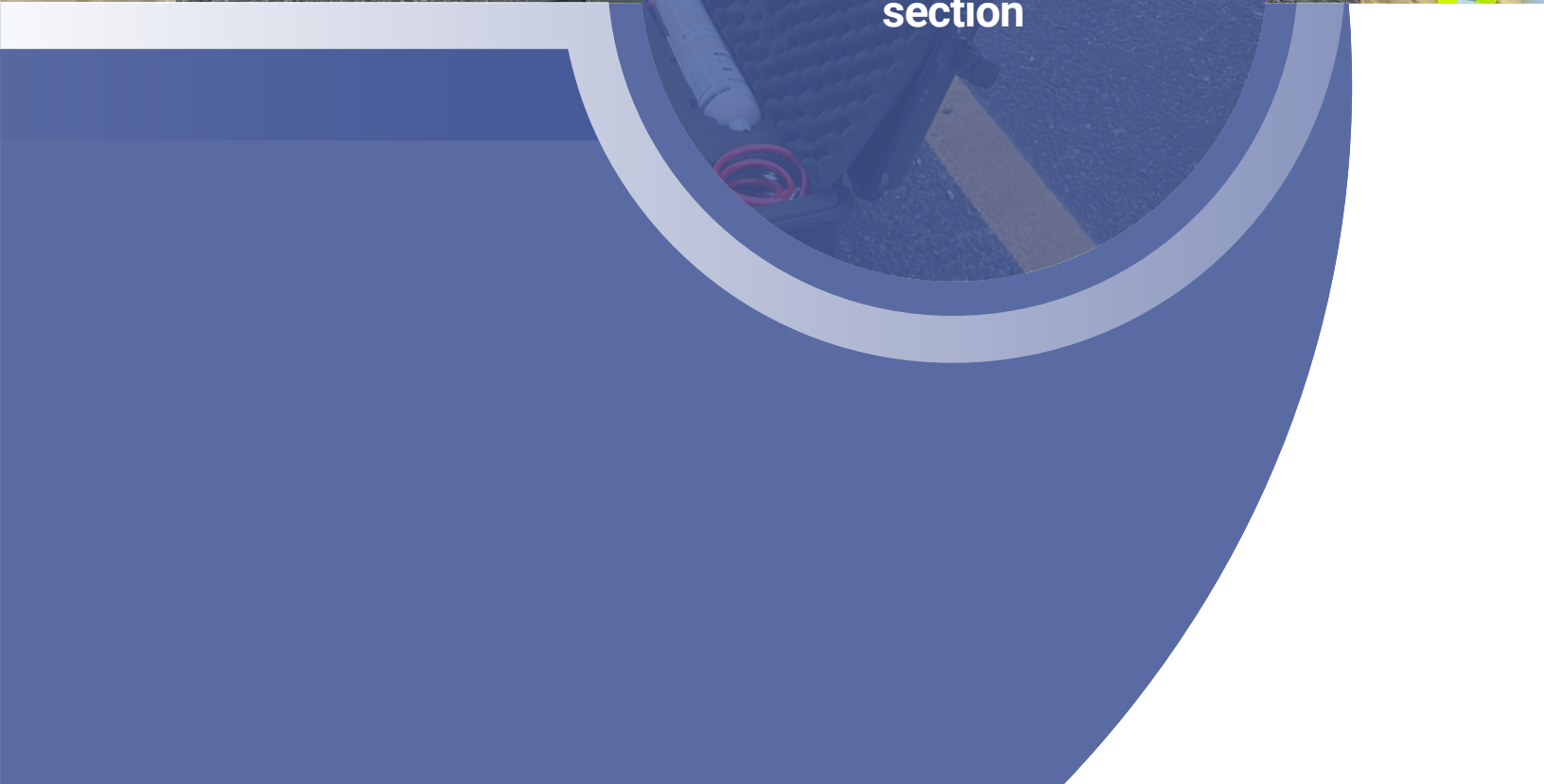
Member	Amount Billed	2024 Charge (Credit) Per User Settlement ⁽¹⁾	Net Operating Expenditures
Arizona Fire & Medical Authority*	\$ 213,231	\$ (25,754)	\$ 187,477
City of Avondale	259,520	(34,403)	225,117
City of Buckeye	211,140	(28,842)	182,298
City of Chandler	463,457	(61,970)	401,487
Daisy Mountain Fire District	81,209	(12,861)	68,348
City of El Mirage	74,630	(9,871)	64,759
Federal Reserve Bank	11,932	(1,415)	10,517
City of Glendale	522,583	(69,330)	453,253
City of Goodyear	274,260	(37,744)	236,516
Town of Guadalupe	7,877	(1,229)	6,648
Harquahala Fire District	4,846	(801)	4,045
City of Maricopa	106,097	(14,158)	91,939
Maricopa County Community College District	99,757	(12,543)	87,214
Town of Paradise Valley	36,116	(4,272)	31,844
City of Peoria	396,155	(52,477)	343,678
City of Phoenix	5,247,289	(631,595)	4,615,694
City of Scottsdale	697,994	(88,758)	609,236
Sun City Fire District	34,107	(5,472)	28,635
City of Surprise	266,072	(35,046)	231,026
City of Tempe	102,059	(90,562)	11,497
City of Tolleson	70,334	(9,308)	61,026
Town of Wickenburg	18,857	(2,303)	16,554
Non-Members	-	-	-
	<u>\$ 9,199,522</u>	<u>\$ (1,230,714)</u>	<u>\$ 7,968,808</u>

⁽¹⁾ These amounts represent the settlement of operating and maintenance expenditures.

* Buckeye Valley Fire District merged with Arizona Fire & Medical Authority during fiscal year 2024.



Statistical section





Regional Wireless Cooperative

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Table of Contents

This section of the RWC's annual comprehensive financial report presents detailed information as context for understanding of the information in the financial statements, note disclosures, required supplementary information, and the joint venture's overall financial condition.

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Regional Wireless Cooperative
Statements of Net Position
Last Ten Fiscal Years
(in thousands)

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Net Investment in										
Capital Assets	\$ 46,039	\$ 50,103	\$ 55,883	\$ 62,144	\$ 67,044	\$ 69,091	\$ 73,867	\$ 80,098	\$ 86,472	\$ 83,376
Restricted	-	-	-	-	-	-	-	-	-	-
Capital Projects	-	-	-	-	-	-	-	-	243	121
Unrestricted	3,035	2,341	2,357	2,042	1,605	1,807	1,345	1,580	1,937	12,386
Net Position	\$ 49,074	\$ 52,444	\$ 58,240	\$ 64,186	\$ 68,649	\$ 70,898	\$ 75,212	\$ 81,678	\$ 88,652	\$ 95,883

Statements of Revenues, Expenses, and Changes in Net Position
Last Ten Fiscal Years
(in thousands)

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Operating Revenues										
Operation and Maintenance Charges	\$ 7,969	\$ 8,194	\$ 7,480	\$ 7,537	\$ 7,170	\$ 6,798	\$ 6,871	\$ 7,320	\$ 6,592	\$ 7,209
Special Assessments	5,907	3,259	3,110	4,732	5,661	6,743	3,919	1,989	16,646	16,170
Other	-	-	-	-	-	-	-	-	121	121
Total Operating Revenues	13,876	11,453	10,590	12,269	12,831	13,541	10,790	9,309	23,359	23,500
Operating Expenses										
Staff and Administrative Allocation	759	622	583	516	499	541	654	538	691	582
Operation and Maintenance	7,882	7,429	7,048	7,153	6,695	6,133	5,994	6,048	3,925	6,174
Depreciation	8,504	9,321	9,113	9,143	8,074	11,430	10,495	9,476	8,299	8,509
Total Operating Expenses	17,145	17,372	16,744	16,812	15,268	18,104	17,294	16,307	15,344	15,270
Operating Income (Loss)	(3,269)	(5,919)	(6,154)	(4,543)	(2,437)	(4,563)	(6,504)	(6,998)	8,015	8,230
Non-Operating Revenues (Expenses)										
Investment Income (Loss)	(38)	198	208	80	188	249	38	24	287	123
Interest on Subscription Liability	(63)	(75)	-	-	-	-	-	-	-	-
Loss on Disposal of Capital Assets	-	-	-	-	-	-	-	-	(1,190)	-
Distribution to Members	-	-	-	-	-	-	-	-	(14,343)	-
Total Non-Operating Revenues (Expenses)	(101)	123	208	80	188	249	38	24	(15,246)	123
Income (Loss) Before Contributions	(3,370)	(5,796)	(5,946)	(4,463)	(2,249)	(4,314)	(6,466)	(6,974)	(7,231)	8,353
Capital Contributions	-	-	-	-	-	-	-	-	-	-
Changes in Net Position	\$ (3,370)	\$ (5,796)	\$ (5,946)	\$ (4,463)	\$ (2,249)	\$ (4,314)	\$ (6,466)	\$ (6,974)	\$ (7,231)	\$ 8,353

**Regional Wireless Cooperative
Members' Operations and Maintenance Expenses
Last Ten Fiscal Years**

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Arizona Fire & Medical Authority ⁽¹⁾	\$ 187,477	\$ 127,586	\$ 109,250	\$ 65,236	\$ 51,140	\$ 32,798	\$ 29,301	\$ 28,847	\$ 28,275	\$ 27,847
City of Avondale	225,117	213,899	173,694	172,807	151,813	143,500	138,819	127,170	96,672	121,150
City of Buckeye	182,298	164,076	148,720	141,450	138,300	127,996	115,986	114,114	113,819	123,292
City of Chandler	401,487	406,051	384,244	391,262	387,444	365,909	354,689	356,585	345,177	362,723
Daisy Mountain Fire District	68,348	58,936	51,562	51,077	42,883	28,056	8,854	8,209	7,443	8,239
City of El Mirage	64,759	64,141	56,007	53,937	49,735	41,176	38,515	38,041	45,293	39,139
Federal Reserve Bank	10,517	10,698	7,574	-	-	-	-	-	-	-
City of Glendale	453,253	418,132	385,307	398,876	393,404	415,301	443,057	455,537	487,326	513,312
City of Goodyear	236,516	221,554	177,978	187,686	112,619	106,821	148,559	219,021	144,228	170,265
Town of Guadalupe	6,648	6,045	5,757	5,903	4,630	3,840	3,542	3,574	3,631	4,217
Harquahala Fire District	4,045	4,008	4,282	-	-	-	-	-	-	-
City of Maricopa	91,939	115,452	102,033	105,578	85,659	90,120	75,794	67,041	64,285	64,588
Maricopa County Community College District	87,214	88,644	83,476	84,138	81,816	82,621	84,183	84,036	84,503	79,523
Town of Paradise Valley	31,844	32,472	29,684	29,695	30,109	33,820	17,004	-	-	-
City of Peoria	343,678	338,759	321,432	333,265	337,645	337,138	326,318	312,071	321,022	354,495
City of Phoenix	4,615,694	4,418,322	3,957,059	3,999,722	3,906,999	3,713,027	3,515,191	3,448,585	3,470,070	3,758,471
City of Scottsdale	609,236	607,275	578,170	582,342	572,105	542,652	535,893	553,558	558,223	596,642
Sun City Fire District	28,635	28,123	30,803	28,255	28,977	22,505	20,538	17,945	17,246	18,166
City of Surprise	231,026	229,893	205,424	210,378	205,322	187,571	187,541	171,780	152,212	170,233
City of Tempe	11,497	584,995	545,240	562,512	461,798	431,638	729,287	1,231,481	571,819	711,487
City of Tolleson	61,026	55,195	51,065	52,330	50,090	46,073	43,120	19,424	11,618	12,887
Town of Wickenburg	16,554	-	-	-	-	-	-	-	-	-
Non Members ⁽²⁾	-	-	70,938	80,287	77,602	45,753	54,540	62,555	68,926	72,710
Total	\$ 7,968,808	\$ 8,194,256	\$ 7,479,699	\$ 7,536,736	\$ 7,170,091	\$ 6,798,315	\$ 6,870,731	\$ 7,319,574	\$ 6,591,788	\$ 7,209,386

(1) Buckeye Valley Fire District merged with Arizona Fire & Medical Authority during fiscal year 2024.

(2) Non RWC Member's fee for use of the RWC Network.

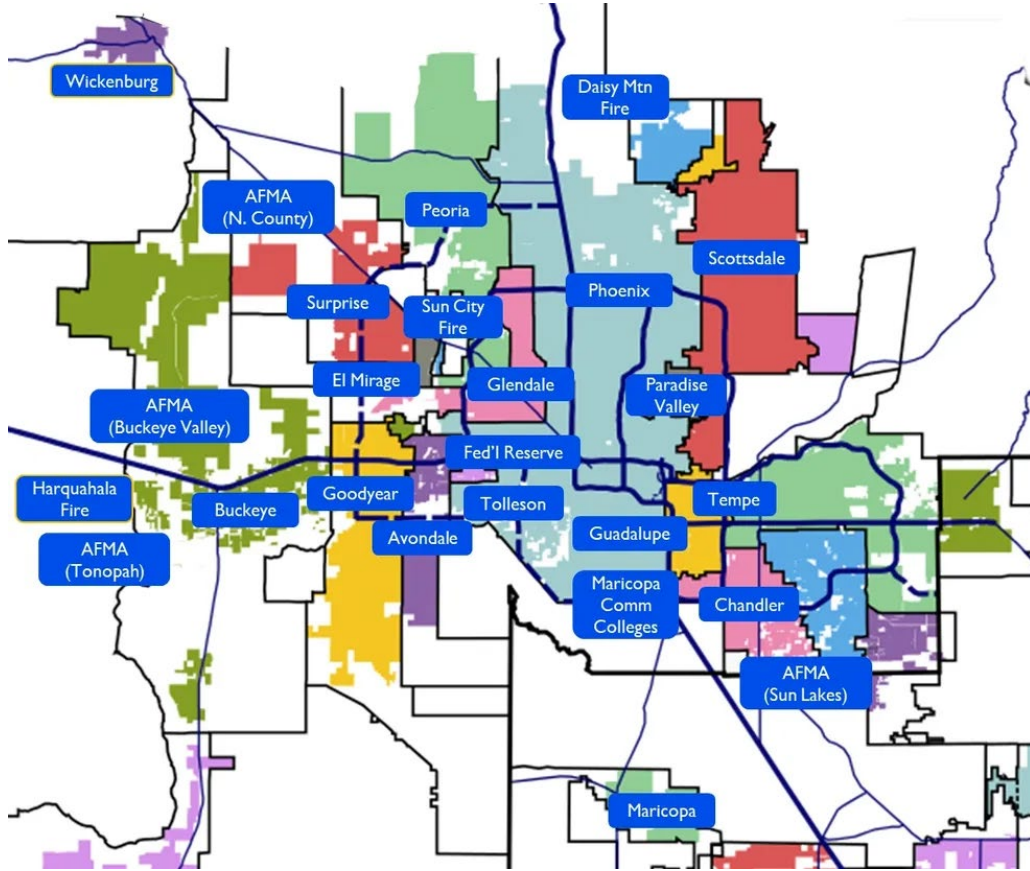
Ratio of Outstanding Debt by Type Last Ten Fiscal Years

Fiscal Year	Subscriptions	Total	Total Population (1)	Per Capita Income (2)	Total Personal Income (in thousands)	Total Debt as a Percentage of Personal Income	Total Debt per Capita
2024	\$ 1,483,502	\$ 1,483,502	3,485,936	\$ 61,840	\$ 215,570,282	0.00%	\$ 0.43
2023	1,788,108	1,788,108	3,485,936	61,840	215,570,282	0.00%	0.51
2022	-	-	3,420,181	61,840	211,503,993	-%	-
2021	-	-	3,356,014	58,308	195,682,464	-%	-
2020	-	-	3,303,584	51,851	171,294,134	-%	-
2019	-	-	3,250,528	48,065	156,236,628	-%	-
2018	-	-	3,195,867	47,562	152,001,826	-%	-
2017	-	-	3,143,164	45,249	142,225,028	-%	-
2016	-	-	3,098,189	43,196	133,829,372	-%	-
2015	-	-	3,039,326	41,828	127,128,928	-%	-

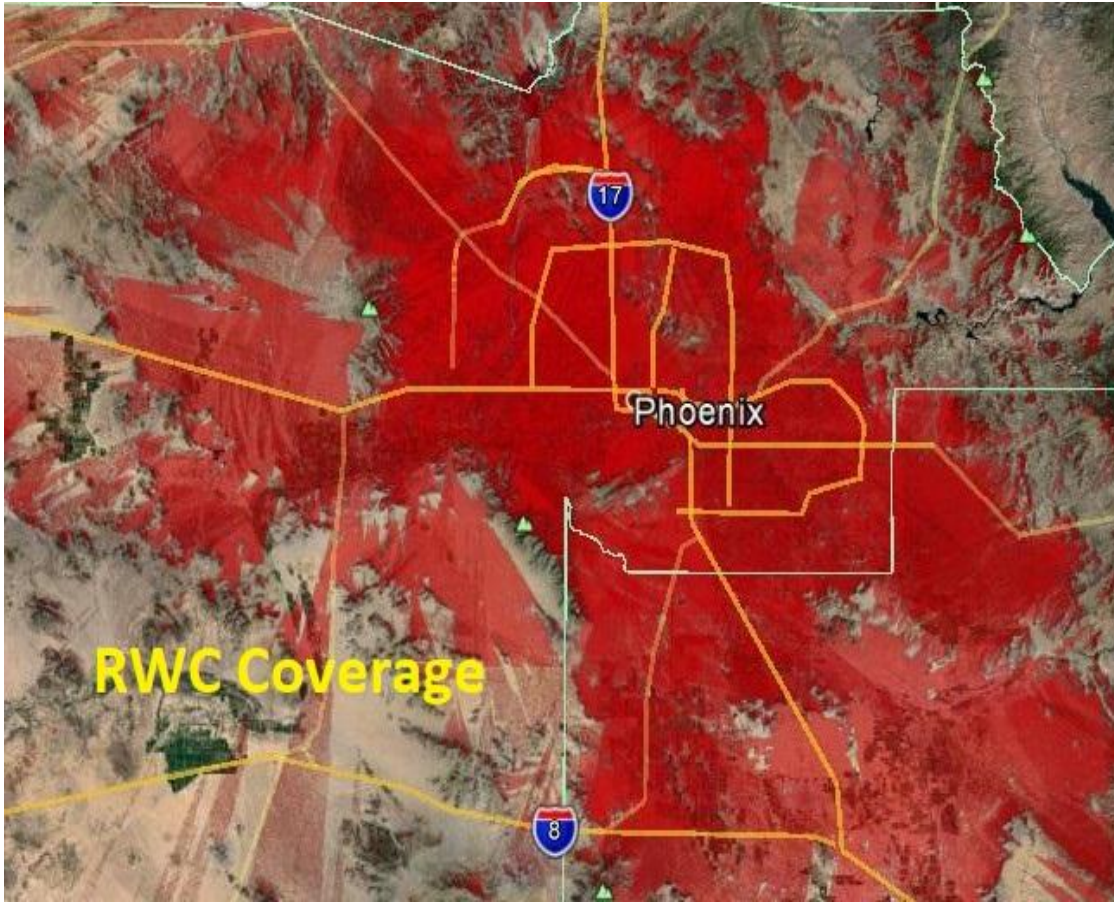
(1) Calendar year. Total population numbers are not yet available for 2024, so 2023 population numbers were used.

(2) Calendar year. Per Capita Income is not yet available for 2024 and 2023, so 2022 per capita income was used.

Source: Population derived from data from the 2010 Census, the 2020 Census, the Arizona State Demographer's Office, the Maricopa Association of Governments, and the Arizona Commerce Authority. Per capita income derived from data from the Federal Reserve Bank.



Regional Wireless Cooperative Coverage Map



**Regional Wireless Cooperative
Cities' and Towns' Population Growth
Last Ten Calendar Years**

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
City of Avondale	94,830	92,324	94,579	90,755	89,480	88,552	86,057	84,719	82,940	81,321
City of Buckeye	109,729	106,316	95,463	101,987	93,629	86,806	80,131	73,066	68,090	64,034
City of Chandler	285,231	282,891	273,102	280,189	277,116	272,365	268,207	264,582	258,414	252,564
City of El Mirage	36,536	36,275	36,365	36,101	35,927	35,318	35,096	34,859	34,570	34,080
City of Glendale	257,962	254,005	259,659	250,585	248,686	246,763	244,620	242,138	240,152	237,423
City of Goodyear	111,508	106,090	98,741	101,662	96,789	92,584	88,014	84,620	81,581	78,175
Town of Guadalupe	5,329	5,333	6,802	5,329	5,326	5,377	5,440	5,526	5,471	5,514
City of Maricopa	69,175	64,742	58,424	61,109	58,622	55,798	53,043	50,522	48,978	47,580
Town of Paradise Valley	12,749	12,700	15,186	12,707	12,671	12,668	12,687	12,744	12,796	12,867
City of Peoria	202,183	199,424	187,055	195,585	191,849	187,381	183,049	178,391	173,666	168,512
City of Phoenix	1,682,053	1,657,035	1,648,257	1,630,195	1,635,879	1,606,815	1,598,736	1,579,253	1,565,896	1,528,115
City of Scottsdale	248,542	244,959	268,839	243,528	241,718	239,494	237,571	235,606	233,477	228,230
City of Surprise	160,273	155,384	153,505	149,710	144,246	138,615	134,779	131,682	129,676	127,195
City of Tempe	194,205	187,354	207,982	181,548	181,580	178,706	176,411	171,864	172,485	168,318
City of Tolleson	7,322	7,315	7,666	7,309	7,262	7,102	7,034	7,006	6,963	6,890
Town of Wickenburg	8,309	8,034	7,715	7,521	7,372	7,131	6,925	6,718	6,466	6,441

Source: Derived from data from the 2010 Census, the 2020 Census, the Arizona State Demographer's Office, the Maricopa Association of Governments, and the Arizona Commerce Authority.

**Regional Wireless Cooperative
Major Employers Metropolitan Phoenix
Current Year and Nine Years Ago**

Employer ⁽¹⁾	2024			2015		
	Employees ⁽¹⁾	Rank	Percentage of Total City Employment ⁽²⁾	Employees ⁽¹⁾	Rank	Percentage of Total City Employment ⁽²⁾
Banner Health	46,602	1	1.90%	35,406	2	1.91%
State of Arizona	41,531	2	1.69%	50,816	1	2.74%
Amazon.com Inc	40,000	3	1.63%			
Walmart Inc	37,648	4	1.54%	32,373	3	1.75%
Arizona State University	37,402	5	1.53%	12,676	8	0.68%
University of Arizona	23,439	6	0.96%			
Fry's Food Stores	21,000	7	0.86%	17,286	4	0.93%
City of Phoenix	15,018	8	0.61%	14,585	5	0.79%
HonorHealth	14,801	9	0.60%			
Wells Fargo & Co	13,000	10	0.53%	14,480	6	0.78%
US Postal Service	13,000	10	0.53%			
Maricopa County				13,567	7	0.73%
Dignity Health				12,100	9	0.65%
Intel Corp				11,760	10	0.63%

Source: Phoenix Business Journal Book of Lists

⁽¹⁾ Top employers in the State of Arizona. Employee count is inclusive of all Arizona employees.

⁽²⁾ City Employment is the Phoenix-Mesa-Scottsdale MSA total nonfarm employment, seasonally adjusted.

**Subscriber Units
Last Ten Fiscal Years**

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Subscriber Units										
Member Total	21,298	20,735	20,039	19,720	19,202	18,844	18,504	18,522	18,046	18,242
Interoperability	22,458	22,458	22,234	20,503	20,363	19,417	22,537	22,576	18,976	17,574
Grand Total	43,756	43,193	42,273	40,223	39,565	38,261	41,041	41,098	37,022	35,816



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System Statistics Last Ten Fiscal Years

	2024	2023	2022	2021	2020
Total Number of Calls	27.9 million	28.3 million	26.1 million	28.3 million	28.9 million
Total Call Duration (hours)	62,324	63,664	61,576	68,400	100,806
Total Call Duration (sec)	224 million	229 million	222 million	246 million	363 million
Average Call Duration (sec)	8.0	8.1	8.5	8.7	12.5
Average Calls Per Day	76,254	77,530	71,407	77,236	79,059
Total Busies	283	213	195	184	2,194
Busy Duration (hours)	0.05	0.01	0.14	0.07	3.85
Total Busy Duration (sec)	170	184	512	241	231
Average Busy Duration (sec)	0.6	1.1	2.6	1.3	6.3
Average Busies per Day	0.8	0.6	0.5	0.5	6.0
Total Emergency Calls	3,126	2,801	2,523	2,434	2,849
Total Emergency Duration (hours)	23.0	22.0	19.5	20.3	22.8
Total Emergency Duration (sec)	82,800	79,200	71,574	72,909	82,098
Average Emergency Duration (sec)	26.5	0.0	28.4	30.0	28.8
Average Emergency Calls per Day	8.5	7.7	6.9	6.7	7.8
System Reliability	99.988%	99.986%	99.986%	99.989%	99.984%

**System Statistics (Continued)
Last Ten Fiscal Years**

2019	2018	2017	2016	2015
29.8 million	28.2 million	30.3 million	28.1 million	28.5 million
73,984	73,560	76,635	81,535	80,399
266 million	265 million	276 million	294 million	289 million
8.9	9.4	9.1	10.6	10.2
81,603	77,271	82,913	76,001	77,968
83	131	261	530	740
0.02	0.02	0.05	0.13	0.11
71	68	177	478	700
0.9	0.5	0.7	0.9	1.1
0.2	0.4	0.7	1.5	2
2,890	3,473	3,415	3,519	3,854
24.0	31.0	27.4	29.6	9.1
84,802	112,483	98,640	106,156	33,173
29.3	32.4	28.9	30.2	8.6
7.9	9.5	9.4	9.6	10.6
99.975%	99.978%	99.968%	99.968%	99.990%



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