



**Board of Directors
Agenda
December 2, 2021
10:00 a.m. – 11:30 a.m.**

	ITEM	PRESENTER
1)	Call to Order, Roll Call, Opening Comments	Chair Paul Luizzi City of Goodyear
2)	Call to the Public A member of the public may request to address the Board by submitting a request to RWC staff via phone or email. Speakers will be considered at the sole discretion of the Board Chair and will be allotted no more than three (3) minutes to speak.	Chair Paul Luizzi City of Goodyear
3)	Approval of RWC Board Meeting Minutes from the August 26, 2021 Meeting This item is for information, discussion, and action.	Chair Paul Luizzi City of Goodyear Est. 2 min.
4)	Financial Update for Fiscal Year 2020/21 and Settlement Credit The purpose of this item is to request Board approval for the Financial Update for Fiscal Year 2020/2021 and Settlement Credit. This item is for information, discussion, and action.	John Imig RWC Executive Director Almira Santos RWC Accountant III Est. 5 min.



<p>5)</p>	<p>SUA II Logging Recorder Billing and Contract (Continued from August 26, 2021) Additional Information (See Attachment A) The purpose of this item is to seek Board approval for proposed changes to the Systems Upgrade Agreement II regarding loggers. This item is for information, discussion, and action.</p>	<p>John Imig RWC Executive Director Est. 10 min.</p>
<p>6)</p>	<p>New RWC Staff Position: Transport Specialist The purpose of this item is to request Board approval for an additional RWC staff position tasked with Ethernet Transport. This item is for information, discussion, and action.</p>	<p>John Imig RWC Executive Director Tom Grebner City of Phoenix Wireless Communications Manager Est. 5 min.</p>
<p>7)</p>	<p>RWC Trunked Network Fiscal Year 2022/23 Subscriber Unit Rate The purpose of this item is to seek Board approval for the proposed RWC Trunked Network FY 2022/23 Subscriber Unit Rate. This item is for information, discussion, and action.</p>	<p>John Imig RWC Executive Director Almira Santos RWC Accountant III Est. 5 min.</p>
<p>8)</p>	<p>RWC Trunked Network Fiscal Year 2022/23 Budget Overview and 5-Year Plan The purpose of this item is to seek Board approval for the proposed RWC Trunked Network 2022/23 Budget and 5-Year Plan. This item is for information, discussion, and action.</p>	<p>John Imig RWC Executive Director Almira Santos RWC Accountant III Est. 5 min.</p>



<p>9)</p>	<p>RWC Conventional Network (VHF) Fiscal Year 2022/23 Subscriber Unit Rate, FY 23 Budget Overview and 5-Year Plan</p> <p>The purpose of this item is to seek Board approval for the proposed RWC VHF Network FY 2022/23 Subscriber Unit Rate, FY 23 Budget and 5-Year Plan.</p> <p>This item is for information, discussion, and action.</p>	<p>John Imig RWC Executive Director</p> <p>Almira Santos RWC Accountant III</p> <p>Est. 5 min</p>
<p>10)</p>	<p>Communications Systems Strategic Alliance Committee Appointments (Continued from August 26, 2021)</p> <p>The purpose of this item is to ask the Board to appoint an Executive Representative to Communications Systems Strategic Alliance Coordinating Council.</p> <p>This item is for information, discussion, and action.</p>	<p>John Imig RWC Executive Director</p> <p>Est. 5 min.</p>
<p>11)</p>	<p>Executive Director's Report</p> <ul style="list-style-type: none"> A. RWC External Audit Update B. Executive Committee New Member C. ERRCS Position Vacancy D. Interference Detection System UASI Grant Update E. City of Phoenix ITS RWC Audit Update <p>This item is for information and discussion.</p>	<p>John Imig RWC Executive Director</p> <p>Est. 5 min.</p>
<p>12)</p>	<p>Announcements, Public Comment, Future Agenda Items</p> <p>The purpose of this item is to communicate any Board announcements, additional public comment, or future agenda items.</p> <p>This item is for information only.</p>	<p>Chair Paul Luizzi City of Goodyear</p>



13)	Adjourn	Chair Paul Luizzi City of Goodyear
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2022 RWC Board of Directors Meetings

<u>Date</u>	<u>Location</u>
Thursday, February 24 10:00 – 11:30	TBD
Thursday, May 19 10:00 – 11:30	TBD
Thursday, August 25 10:00 – 11:30	TBD
Thursday, December 1 10:00 – 11:30	TBD



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	Almira Santos, RWC Accountant III		Item 4
SUBJECT:	FINANCIAL UPDATE FOR FISCAL YEAR 2020/21 AND SETTLEMENT CREDIT		

BACKGROUND

The purpose of this report is to present the Fiscal Year (FY) 2020/21 financial updates to the RWC Board of Directors.

THE ISSUE

The RWC Governance requires that year-end expenditure reporting be provided to the RWC Board of Directors. This report is a summary of the total revenues and expenses for FY 2020/21. Total revenues collected for the fiscal year ended June 30, 2021 were \$8,307,581.16 and total actual operations and maintenance (O&M) expenditures were \$7,518,214. Total revenues exceeded total expenses for members by \$754,468.30. After adding interest earned for FY21 of \$34,898, a total settlement credit of \$789,366.30 will be go back to the membership.

RWC budget to actuals variances occurred in the following areas:

- Contingency Fund was not heavily utilized
- ITS cost savings by means of unanticipated salary savings, fewer public works charges, and other unbilled charges resulting in a \$316K cost reduction
- Preventative and Facility Maintenance work orders delayed due to COVID restrictions resulting in \$20K unutilized funds

Settlement credits for each member are presented on the next page.

Proposed Regional Wireless Cooperative Settlement Credits

Member	2020/21 Settlement
Arizona Fire & Medical Authority	\$ (10,550.09)
Avondale	(18,386.72)
Buckeye	(16,231.04)
Chandler	(39,480.66)
Daisy Mountain	(10,357.83)
El Mirage	(6,972.21)
Glendale	(42,060.02)
Goodyear	(20,939.30)
Guadalupe	(1,108.27)
Maricopa	(10,982.03)
Maricopa County Community College District	(6,362.69)
Paradise Valley	(2,167.48)
Peoria	(36,258.96)
Phoenix	(413,735.21)
Scottsdale	(57,176.17)
Sun City FD	(5,634.47)
Surprise	(24,361.23)
Tempe	(60,690.16)
Tolleson	(5,911.76)
	<u><u>\$ (789,366.30)</u></u>

RECOMMENDATION

The Executive Director, after review and approval by the Executive Committee, recommends Board approval for the fiscal year 2020/21 Financial Update and Settlement Credit and to issue each member their respective credit memo.



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	John Imig, RWC Executive Director Nicholas Roosevelt, RWC Management Assistant I Almira Santos, RWC Accountant III		Item 5
SUBJECT:	SUA II LOGGING RECORDER BILLING AND CONTRACT (Continued from August 26, 2021) Additional Information (See Attachment A)		

PURPOSE

The purpose of this item is to provide possible billing changes regarding logging recorders in the System Upgrade Agreement (SUA II).

BACKGROUND

The RWC has been heavily focused with providing efficiency and equity across the Network. Beginning in Fall 2020, RWC staff and other stakeholders began working closely with Motorola working to extrapolate the annual costs of the NICE (brand) logging recorders which had been made part of the SUA II in July 2018. It was clear that while the NICE logging recorders are part of the SUA II they are only utilized by Members who have communication (dispatch) centers *and* use the NICE brand. This means that while only a *few* members are using logging recorders, *all* members are paying for it. Staff has therefore prepared a series of options available to the Board which are seen below.

DISCUSSION

The following options have been proposed to bring more Member equality to the SUA II billing. New or amended options may also be considered at the discretion of the Board. The currently proposed options are listed below by color and are shown correspondingly in the spreadsheet (Attachment A).

“Status Quo:” All members continue to pay for the NICE loggers as part of the SUA II. Currently, the SUA II includes NICE loggers, and the cost of the loggers are equally distributed across all members. This is seen in yellow and referred to as the Status Quo. In this line you will see your agency’s upcoming billing as it currently stands. If unchanged, members will continue to pay their SUA II costs as normal including NICE loggers, regardless of logger ownership.

Option A: Remove NICE loggers from the SUA II and have members seek their own contracts. If NICE loggers were removed from the SUA II contract outright, members currently using NICE would need to seek out their own vendor contracts to continue the service. Via the SUA II, NICE users are currently receiving a 14% discount. It is likely that this discount would be unattainable when seeking individual contracts.

Option B: Keep NICE loggers in the SUA II but bill the specific NICE user agencies *only*. In this option nothing will change within the SUA II contract set up, only in the way the RWC currently bills the members. This would enhance equity as the members using NICE would be solely responsible for it. Non-NICE using members would continue to pay their share of the SUA II but without the loggers factored in. The agency breakdown for FY 2022-2027 is shown in Attachment B.

Option C: Work with Motorola to add Verint and Eventide brand logging recorders to the SUA II and bill the user agencies *only*. Motorola has provided the costs associated with adding Verint and Eventide loggers into the SUA II. The pricing for the Fiscal Year 2022/23 is shown in the Verint and Eventide columns this includes a 14% discount. If this route was chosen, the SUA II would be amended to include Verint and Eventide. Each agency would be billed for their respective portion of the SUA II and their own logging recorders. The breakdown for the remainder of the SUA II costs are shown in Attachment C.

Additionally, Motorola does not have any contractual responsibility to upgrade loggers not covered within the SUA II agreement. In the past they have covered, or in the case of 2021 split the cost with the RWC, but they have made it clear this will not happen again. If the loggers outside the contract are not addressed, it will mean the agencies will need to budget and plan for these costs on their own. The RWC would do all it can to facilitate the logger budgeting but costs outside of RWC contracts would be difficult to manage. Not addressing this within the SUA II contract may lead to budgetary surprises and potential upgrade delays.

RECOMMENDATION

The RWC Executive Director, after review and approval by the Executive Committee, recommends Board approval of Option C, to work with Motorola to add all logging recorders to the SUA II and bill each member individually for their own logger upgrades beginning in FY 23, based on the new information provided in Attachment A.

Attachments:

A) Additional Info Memo

B) FY 2022/23 SUA II Logging Recorder Breakdown (Original Info)

C) FY 2023-2027 NICE Logging Recorder Breakdown (Original Info)

D) FY 2023-2027 Eventide and Verint Logging Recorder Breakdown (Original Info)

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ATTACHMENT A (1) ADDITIONAL INFORMATION MEMO

FY 2022/23 SUA II LOGGING RECORDER BREAKDOWN

Member Agency	Radio Count Using Oct-21	Status Quo	Option A SUA II Contract w/o NICE Logger	Option B NICE Logger	NICE Logger	Verint Logger	Eventide Logger	Option C All Loggers Included	Variance from Status Quo to Option C
Arizona Fire & Medical Authority	160	22,860.06	20,161.59					20,161.59	(2,698.47)
AFMA	126	18,002.30	15,877.25					15,877.25	(2,125.05)
North County Fire & Medical Dist	27	3,857.64	3,402.27					3,402.27	(455.37)
Sun Lakes Fire District	7	1,000.13	882.07					882.07	(118.06)
City of Avondale	470	67,151.44	59,224.68				18,061.08	77,285.76	10,134.32
City of Buckeye	395	56,435.78	49,773.93				19,218.13	68,992.06	12,556.28
Buckeye Valley FD	99	14,144.66	12,474.99					12,474.99	(1,669.68)
City of Chandler	1,036	148,018.91	130,546.32	78,014.00				208,560.32	60,541.41
Daisy Mountain Fire District	124	17,716.55	15,625.24					15,625.24	(2,091.31)
City of El Mirage	146	20,859.81	18,397.45					18,397.45	(2,462.35)
Federal Reserve Bank	28	4,000.51	3,528.28					3,528.28	(472.23)
City of Glendale	1,026	146,590.16	129,286.22		56,704.66			185,990.88	39,400.72
City of Goodyear	469	67,008.56	59,098.67			39,991.83		99,090.50	32,081.94
Town of Guadalupe	14	2,000.26	1,764.14					1,764.14	(236.12)
Harquahala FD	10	1,428.75	1,260.10					1,260.10	(168.65)
City of Maricopa	276	39,433.61	34,778.75				20,529.83	55,308.58	15,874.97
Maricopa County Comm Colleges	231	33,004.22	29,108.30	23,995.00				53,103.30	20,099.08
Town of Paradise Valley	79	11,287.16	9,954.79					9,954.79	(1,332.37)
City of Peoria	844	120,586.84	106,352.41	29,596.00			33,928.99	169,877.40	49,290.56
City of Phoenix	10,570	1,510,192.95	1,331,925.27	192,224.00		98,722.30		1,622,871.57	112,678.63
City of Scottsdale	1,564	223,457.12	197,079.58			69,206.19		266,285.77	42,828.65
Sun City Fire District	66	9,429.78	8,316.66					8,316.66	(1,113.12)
City of Surprise	538	76,866.96	67,793.36				49,537.60	117,330.96	40,463.99
City of Tempe	1,457	208,169.45	183,596.51	19,046.00				202,642.51	(5,526.94)
City of Tolleson Fire & PD	136	19,431.05	17,137.35				19,324.22	36,461.57	17,030.52
Total	19,738	2,820,074.59	2,487,184.59	342,875.00	56,704.66	207,920.32	160,599.85	3,255,284.42	435,209.83

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ATTACHMENT A (2) ADDITIONAL INFORMATION MEMO

FY 2022/23 SUA II LOGGING RECORDER BREAKDOWN

RWC SUAII NICE PRICING								
	2021	2022	2023	2024	2025	2026	2027	
Chandler	\$73,536	\$75,742	\$78,014	\$80,355	\$82,764	\$85,248	\$87,805	
MCCCD	\$22,618	\$23,296	\$23,995	\$24,715	\$25,456	\$26,220	\$27,007	
Peoria	\$27,897	\$28,734	\$29,596	\$30,484	\$31,398	\$32,340	\$33,310	
Phoenix	\$137,638	\$141,767	\$146,020	\$150,400	\$154,912	\$159,560	\$164,346	
Sky Harbor	\$43,552	\$44,859	\$46,204	\$47,590	\$49,018	\$50,489	\$52,003	
Tempe	\$17,955	\$18,493	\$19,046	\$19,619	\$20,209	\$20,814	\$21,439	
	\$323,195	\$332,890	\$342,875	\$353,164	\$363,758	\$374,671	\$385,911	\$3,390,655

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ATTACHMENT A (3) ADDITIONAL INFORMATION MEMO

Phoenix RWC – Pricing per Agency

	2023	2024	2025	2026	2027	TOTAL
Eventide SYS - Quoted each agency individually						
Peoria	\$ 33,928.99	\$ 34,978.34	\$ 36,027.69	\$ 37,108.52	\$ 38,221.77	\$ 180,265.31
Surprise	\$ 49,537.60	\$ 51,069.69	\$ 52,601.78	\$ 54,179.84	\$ 55,805.23	\$ 263,194.14
Avondale	\$ 18,061.08	\$ 18,619.67	\$ 19,178.26	\$ 19,753.61	\$ 20,346.22	\$ 95,958.85
Buckeye	\$ 19,218.13	\$ 19,812.50	\$ 20,406.88	\$ 21,019.08	\$ 21,649.65	\$ 102,106.23
Maricopa	\$ 20,529.83	\$ 21,164.77	\$ 21,799.72	\$ 22,453.71	\$ 23,127.32	\$ 109,075.34
Tolleson	\$ 19,324.22	\$ 19,921.88	\$ 20,519.53	\$ 21,135.12	\$ 21,769.17	\$ 102,669.91
Verint SYS - Quoted each agency individually						
Phoenix Fire	\$ 98,722.30	\$ 101,775.57	\$ 104,828.84	\$ 107,973.70	\$ 111,212.91	\$ 524,513.32
Goodyear	\$ 39,991.83	\$ 41,228.69	\$ 42,465.55	\$ 43,739.52	\$ 45,051.71	\$ 212,477.31
Scottsdale	\$ 69,206.19	\$ 71,346.59	\$ 73,486.99	\$ 75,691.60	\$ 77,962.35	\$ 367,693.72
Glendale (NICE)	\$ 56,704.66	\$ 58,458.41	\$ 60,212.16	\$ 62,018.53	\$ 63,879.08	\$ 301,272.84
Yearly Total	\$ 425,224.83	\$ 438,376.11	\$ 451,527.40	\$ 465,073.22	\$ 479,025.41	
Contract Total						\$ 2,259,226.97

Hardware Replacement Cycle

2023: Peoria, Surprise, Avondale,

Buckeye, and Tolleson

2024: Goodyear

2025: Scottsdale

2026: Phoenix Fire and Maricopa

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ATTACHMENT A (4) ADDITIONAL INFORMATION MEMO

FISCAL IMPACT FOR LOGGER MEMBER IF USING SETTLEMENT CREDIT AND/OR UPCOMING TDMA REFUND

Member Agency	Status Quo	Option C All Loggers Included	Variance from Status Quo to Option C	FY21	Variance	TDMA	Final cost
				Settlement Credit (SC)	after using SC	Credit Balance	after using SC & TDMA
City of Avondale	67,151.44	77,285.76	10,134.32	(18,386.72)	(8,252.40)	(25,078.16)	(33,330.56)
City of Buckeye	56,435.78	68,992.06	12,556.28	(16,231.04)	(3,674.76)	-	(3,674.76)
City of Chandler	148,018.91	208,560.32	60,541.41	(39,480.66)	21,060.75	(179,116.78)	(158,056.03)
City of Glendale	146,590.16	185,990.88	39,400.72	(42,060.02)	(2,659.30)		(2,659.30)
City of Goodyear	67,008.56	99,090.50	32,081.94	(20,939.30)	11,142.64		11,142.64
City of Maricopa	39,433.61	55,308.58	15,874.97	(10,982.03)	4,892.94	(3,891.57)	1,001.37
Maricopa County Comm Colleges	33,004.22	53,103.30	20,099.08	(6,362.69)	13,736.39	(2,259.84)	11,476.55
City of Peoria	120,586.84	169,877.40	49,290.56	(36,258.96)	13,031.61	(1,854.43)	11,177.18
City of Phoenix	1,510,192.95	1,622,871.57	112,678.63	(413,735.21)	(301,056.58)		(301,056.58)
City of Scottsdale	223,457.12	266,285.77	42,828.65	(57,176.17)	(14,347.53)	(187,637.76)	(201,985.29)
City of Surprise	76,866.96	117,330.96	40,463.99	(24,361.23)	16,102.77	(73,732.14)	(57,629.37)
City of Tempe	208,169.45	202,642.51	(5,526.94)	(60,690.16)	(66,217.10)	-	(66,217.10)
City of Tolleson Fire & PD	19,431.05	36,461.57	17,030.52	(5,911.76)	11,118.76	(4,183.31)	6,935.45

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ATTACHMENT A (5) ADDITIONAL INFORMATION MEMO

Fiscal Impact by Member if Using Settlement Credit and Upcoming TDMA Refund

Member Agency	Status Quo	Option C All Loggers Included	Variance from Status Quo to Option C	FY21	Variance	TDMA	Final cost
				Settlement Credit (SC)	after using SC	Credit Balance	after using SC & TDMA
Arizona Fire & Medical Authority	22,860.06	20,161.59	(2,698.47)	(10,550.09)	(13,248.56)	(6,482.47)	(19,731.03)
AFMA	18,002.30	15,877.25	(2,125.05)	(10,550.09)	(12,675.14)		(12,675.14)
North County Fire & Medical Dist	3,857.64	3,402.27	(455.37)		(455.37)	(4,885.68)	(5,341.05)
Sun Lakes Fire District	1,000.13	882.07	(118.06)		(118.06)	(1,596.79)	(1,714.85)
City of Avondale	67,151.44	77,285.76	10,134.32	(18,386.72)	(8,252.40)	(25,078.16)	(33,330.56)
City of Buckeye	56,435.78	68,992.06	12,556.28	(16,231.04)	(3,674.76)	-	(3,674.76)
Buckeye Valley FD	14,144.66	12,474.99	(1,669.68)		(1,669.68)		(1,669.68)
City of Chandler	148,018.91	208,560.32	60,541.41	(39,480.66)	21,060.75	(179,116.78)	(158,056.03)
Daisy Mountain Fire District	17,716.55	15,625.24	(2,091.31)	(10,357.83)	(12,449.15)		(12,449.15)
City of El Mirage	20,859.81	18,397.45	(2,462.35)	(6,972.21)	(9,434.56)	(3,735.00)	(13,169.56)
Federal Reserve Bank	4,000.51	3,528.28	(472.23)		(472.23)		(472.23)
City of Glendale	146,590.16	185,990.88	39,400.72	(42,060.02)	(2,659.30)		(2,659.30)
City of Goodyear	67,008.56	99,090.50	32,081.94	(20,939.30)	11,142.64		11,142.64
Town of Guadalupe	2,000.26	1,764.14	(236.12)	(1,108.27)	(1,344.39)	(2,778.51)	(4,122.90)
Harquahala FD	1,428.75	1,260.10	(168.65)		(168.65)		(168.65)
City of Maricopa	39,433.61	55,308.58	15,874.97	(10,982.03)	4,892.94	(3,891.57)	1,001.37
Maricopa County Comm Colleges	33,004.22	53,103.30	20,099.08	(6,362.69)	13,736.39	(2,259.84)	11,476.55
Town of Paradise Valley	11,287.16	9,954.79	(1,332.37)	(2,167.48)	(3,499.85)		(3,499.85)
City of Peoria	120,586.84	169,877.40	49,290.56	(36,258.96)	13,031.61	(1,854.43)	11,177.18
City of Phoenix	1,510,192.95	1,622,871.57	112,678.63	(413,735.21)	(301,056.58)		(301,056.58)
City of Scottsdale	223,457.12	266,285.77	42,828.65	(57,176.17)	(14,347.53)	(187,637.76)	(201,985.29)
Sun City Fire District	9,429.78	8,316.66	(1,113.12)	(5,634.47)	(6,747.58)	(5,137.56)	(11,885.14)
City of Surprise	76,866.96	117,330.96	40,463.99	(24,361.23)	16,102.77	(73,732.14)	(57,629.37)
City of Tempe	208,169.45	202,642.51	(5,526.94)	(60,690.16)	(66,217.10)	-	(66,217.10)
City of Tolleson Fire & PD	19,431.05	36,461.57	17,030.52	(5,911.76)	11,118.76	(4,183.31)	6,935.45
Total	2,820,074.59	3,255,284.42	435,209.83	(789,366.30)	(354,156.47)	(495,887.53)	(850,044.00)

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ATTACHMENT B. FY 2022/23 SUA II LOGGING RECORDER BREAKDOWN (Original Info)

Member Agency	Radio Count Using July 2021	Status Quo	Option A SUA II Contract w/o NICE Logger	Option B NICE Logger	Verint Logger	Eventide Logger	Option C All Loggers Included	Variance from Status Quo to Option C
Arizona Fire & Medical Authority	160	22,877.45	20,095.93				20,095.93	(2,781.52)
AFMA	126	18,015.99	15,825.54				15,825.54	(2,190.45)
North County Fire & Medical Dist	27	3,860.57	3,391.19				3,391.19	(469.38)
Sun Lakes Fire District	7	1,000.89	879.20				879.20	(121.69)
City of Avondale	468	66,916.54	58,780.58			18,061.08	76,841.66	9,925.12
City of Buckeye	385	55,048.86	48,355.82			19,218.13	67,573.95	12,525.09
Buckeye Valley FD	95	13,583.49	11,931.96				11,931.96	(1,651.53)
City of Chandler	1,035	147,988.50	129,995.52	78,014.00			208,009.52	60,021.02
Daisy Mountain Fire District	124	17,730.02	15,574.34				15,574.34	(2,155.68)
City of El Mirage	145	20,732.69	18,211.93				18,211.93	(2,520.76)
Federal Reserve bank	27	3,860.57	3,391.19				3,391.19	(469.38)
City of Glendale	1,023	146,272.69	128,488.32				128,488.32	(17,784.37)
City of Goodyear	460	65,772.67	57,775.79		39,991.83		97,767.62	31,994.95
Town of Guadalupe	14	2,001.78	1,758.39				1,758.39	(243.38)
Harquahala FD	10	1,429.84	1,256.00				1,256.00	(173.85)
City of Maricopa	267	38,176.74	33,535.08				33,535.08	(4,641.67)
Marciopa County Comm Colleges	230	32,886.33	28,887.89	23,995.00			52,882.89	19,996.56
Town of Paradise Valley	79	11,295.74	9,922.36				9,922.36	(1,373.38)
City of Peoria	847	121,107.50	106,382.80	29,596.00		33,928.99	169,907.79	48,800.30
City of Phoenix	10,608	1,516,774.89	1,332,359.84	192,224.00	98,722.30		1,623,306.14	106,531.25
City of Scottsdale	1,541	220,338.43	193,548.88		69,206.19		262,755.07	42,416.64
Sun City Fire District	66	9,436.95	8,289.57				8,289.57	(1,147.38)
City of Surprise	546	78,069.30	68,577.34			49,537.60	118,114.94	40,045.65
City of Tempe	1,457	208,327.77	182,998.52	19,046.00			202,044.52	(6,283.25)
City of Tolleson Fire & PD	136	19,445.83	17,081.54				17,081.54	(2,364.30)
Total	19,723	2,820,074.59	2,477,199.59	342,875.00	207,920.32	120,745.80	3,148,740.71	328,666.12

ITEM 5

ATTACHMENT C. FY 2023-2027 CURRENT CONTRACT NICE LOGGING RECORDER BREAKDOWN (Original Info)

NICE Price by Agency (Includes 14% SUA II Discount)					
	2023	2024	2025	2026	2027
Chandler	\$78,014	\$80,355	\$82,764	\$85,248	\$87,805
MCCCD	\$23,995	\$24,715	\$25,456	\$26,220	\$27,007
Peoria	\$29,596	\$30,484	\$31,398	\$32,340	\$33,310
Phoenix	\$146,020	\$150,400	\$154,912	\$159,560	\$164,346
Sky Harbor	\$46,204	\$47,590	\$49,018	\$50,489	\$52,003
Tempe	\$19,046	\$19,619	\$20,209	\$20,814	\$21,439
Total	\$342,875	\$353,164	\$363,758	\$374,671	\$385,911

ITEM 5

ATTACHMENT D. FY 2023-2027 ADDITIONAL LOGGING RECORDERS BREAKDOWN (Original Info)

LOGGERS BY AGENCY (Includes 14% SUA II Discount)	2023	2024	2025	2026	2027	TOTAL
Eventide SYS						
Peoria	\$ 33,928.99	\$ 34,978.34	\$ 36,027.69	\$ 37,108.52	\$ 38,221.77	\$ 180,265.31
Surprise	\$ 49,537.60	\$ 51,069.69	\$ 52,601.78	\$ 54,179.84	\$ 55,805.23	\$ 263,194.14
Avondale	\$ 18,061.08	\$ 18,619.67	\$ 19,178.26	\$ 19,753.61	\$ 20,346.22	\$ 95,958.85
Buckeye	\$ 19,218.13	\$ 19,812.50	\$ 20,406.88	\$ 21,019.08	\$ 21,649.65	\$ 102,106.23
Verint SYS						
Phoenix Fire	\$ 98,722.30	\$ 101,775.57	\$ 104,828.84	\$ 107,973.70	\$ 111,212.91	\$ 524,513.32
Goodyear	\$ 39,991.83	\$ 41,228.69	\$ 42,465.55	\$ 43,739.52	\$ 45,051.71	\$ 212,477.31
Scottsdale	\$ 69,206.19	\$ 71,346.59	\$ 73,486.99	\$ 75,691.60	\$ 77,962.35	\$ 367,693.72
NICE						
Glendale	\$ 56,704.66	\$ 58,458.41	\$ 60,212.16	\$ 62,018.53	\$ 63,879.08	\$ 301,272.84
	\$ 385,370.78	\$ 397,289.47	\$ 409,208.15	\$ 421,484.39	\$ 434,128.93	\$ 2,047,481.72



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	Thomas Grebner, Wireless Communications Manager		Item 6
SUBJECT:	NEW RWC STAFF POSITION: TRANSPORT SPECIALIST		

BACKGROUND

The City of Phoenix/RWC Network is transitioning from the legacy Time Division Multiplexing (TDM) Transmission System 1 (T1) based to an all-Multiprotocol Label Switching (MPLS) Ethernet backhaul network. The RWC is currently changing out/upgrading all the microwave radios and networking equipment to meet the Motorola Ethernet requirements.

THE ISSUE

Maintaining an all-Ethernet network involves special skills. Just as it requires knowledge of Ethernet network equipment, so too it needs a concrete understanding of microwave radios. The network operates with redundant paths, thus the task of managing the traffic routing/mapping and monitoring is critical. These specific needs, and scope of task necessitates the addition of a Transport Specialist. For position in organization please see Attachment A.

The primary responsibilities of this position are to:

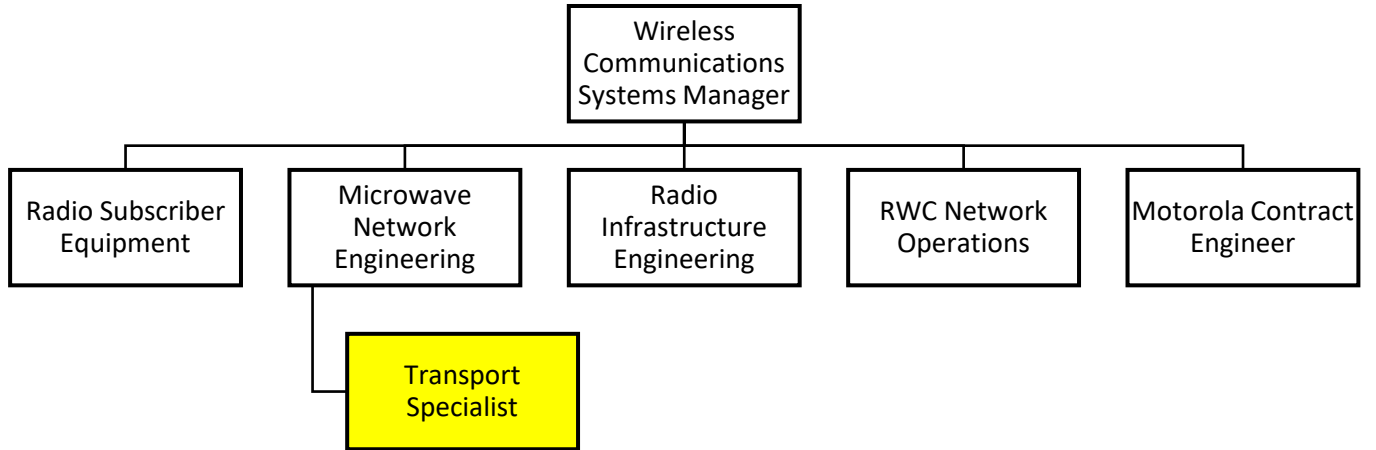
- Work with the team lead in the design of network
- Maintain detailed routing/mapping documentation of the Ethernet network
- Supervise and train technicians in network maintenance and testing
- Work with the City of Scottsdale's team in the overall design and maintenance of Simulcast H, Zone 3 network

RECOMMENDATION

The RWC Executive Director, after review and approval by the Executive Committee, recommends Board approval of the creation of a new RWC staff position for a Transport Specialist.

Item 6. Attachment A.

PHOENIX INFORMATION TECHNOLOGY SERVICES WIRELESS COMMUNICATION SYSTEMS
SERVICES ORGANIZATONAL CHART





BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	John Imig, RWC Executive Director Almira Santos, Accountant III	Item 7	
SUBJECT:	RWC TRUNKED NETWORK FISCAL YEAR 2022/23 SUBSCRIBER UNIT RATE		

BACKGROUND

The purpose of this report is to present the FY2022/23 subscriber unit rate for the RWC Trunked Network.

THE ISSUE

The subscriber unit rate is determined by dividing the staffing, operations, and maintenance budget by the number of subscriber units estimated to be on the network FY 2022/23. The rate for FY2022/23, if approved, will be \$34.48, which represents a \$1.02 increase from the current rate of \$33.46. The reasons for the rate increase are as follows:

- Cost increase in telecommunication services in conjunction with the required system Ethernet upgrade
- Motorola Service Agreement contract cost increases
- Administrative Manager cost increases
- New position request – Transport Specialist

Annual Staffing, O&M	\$ 8,235,398
Subscriber Units	19,905
Monthly Subscriber Rate	\$ 34.48

For planning purposes, the summary of the RWC’s 2022/23 budget by member is reflected on the following page.

RWC Trunked Network FY22/23 Budget Detail

Member	Oct 2021 Radio Count	FY23 O&M/ Staffing
Arizona Fire & Medical Authority	160	66,197.62
Avondale	470	194,455.52
Buckeye	395	163,425.38
Buckeye Valley FD	99	40,959.78
Chandler	1,036	428,629.61
Daisy Mountain	124	51,303.16
El Mirage	146	60,405.33
Federal Reserve Bank	28	11,584.58
Glendale	1,026	424,492.26
Goodyear	469	194,041.78
Guadalupe	14	5,792.29
Harquahala FD	10	4,137.35
Maricopa	276	114,190.90
Maricopa County Community College District	231	95,572.82
Paradise Valley	79	32,685.08
Peoria	844	349,192.46
Phoenix	10,570	4,373,180.45
Scottsdale	1,564	647,081.76
Sun City Fire	66	27,306.52
Surprise	538	222,589.51
Tempe	1,457	602,812.10
Tolleson Fire & PD	136	56,267.98
Members Subtotal	19,738	8,166,304.23
Associates		
Rural Metro	108	44,683.40
Maricopa Ambulance	59	24,410.37
Associates Subtotal	167	69,093.77
ESTIMATED TOTALS	19,905	8,235,398.00

RECOMMENDATION

The Executive Director, after review and approval by the RWC Executive Committee, recommends the Board approve the FY 2022/23 subscriber unit rate of \$34.48 and authorize the RWC staff to assess the members quarterly.



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	Almira Santos, RWC Accountant III	Item 8	
SUBJECT:	RWC TRUNKED NETWORK FISCAL YEAR 2022/23 BUDGET OVERVIEW AND 5-YEAR PLAN		

BACKGROUND

The purpose of this report is to present the proposed 2022/23 RWC Budget and 5-Year Plan to the Board. The Executive Committee’s input and recommendations have been incorporated into the budget proposal.

THE ISSUE

The RWC Budget is made up of the following categories:

- Motorola Contracts
 - Service Agreement and System Upgrade Agreement (SUA II)
- Phoenix Information Technology and Services (ITS)
 - Wireless Services, Microwave, Network Services, and Shared Sites
- RWC Staffing
 - The cost of five (5) staff positions
- Other budget items
 - City of Scottsdale Maintenance Manager costs, site leases, auditing services, electricity, and telecommunications

For planning purposes, a summary of the RWC’s estimated 5-year budget is shown below.

RWC ANNUAL BUDGET	FY2022/23	FY2023/24	FY2024/25	FY2025/26	FY2026/27
Subscriber Rate	\$ 34.48	\$ 35.81	\$ 36.60	\$ 37.40	\$ 37.52
Estimated Subscriber Count	19,905	19,905	19,905	19,905	19,905
O&M, Staffing	\$ 8,235,398.00	\$ 8,553,814.32	\$ 8,741,289.27	\$ 8,934,084.50	\$ 8,962,774.36
Required Minimum Balance	\$ -	\$ -	\$ -	\$ -	\$ -
System Upgrade Agreement	\$ 2,820,074.59	\$ 2,849,950.28	\$ 2,880,810.31	\$ 2,912,682.93	\$ 2,945,605.91
TDMA	\$ -	\$ -	\$ -	\$ -	\$ -
Total Budget	\$ 11,055,472.59	\$ 11,403,764.60	\$ 11,622,099.58	\$ 11,846,767.43	\$ 11,908,380.28

The 5-year plan budget allocation for each Member is presented below.

RWC Trunked Network FY23 to FY27 Budget Detail

Member	Oct 2021 Radio Count	FY 2022/23 TOTAL	FY 2023/24 TOTAL	FY 2024/25 TOTAL	FY 2025/26 TOTAL	FY 2026/27 TOTAL
Arizona Fire & Medical Authority	160	89,058	91,859	93,616	95,425	95,922
Avondale	470	261,607	269,837	274,998	280,310	281,771
Buckeye	395	219,861	226,778	231,116	235,579	236,808
Buckeye Valley FD	99	55,104	56,838	57,925	59,044	59,352
Chandler	1,036	576,649	594,789	606,167	617,874	621,095
Daisy Mountain	124	69,020	71,191	72,553	73,954	74,340
El Mirage	146	81,265	83,822	85,425	87,075	87,529
Federal Reserve Bank	28	15,585	16,075	16,383	16,699	16,786
Glendale	1,026	571,082	589,048	600,316	611,910	615,100
Goodyear	469	261,050	269,263	274,413	279,713	281,172
Guadalupe	14	7,793	8,038	8,191	8,350	8,393
Harquahala FD	10	5,566	5,741	5,851	5,964	5,995
Maricopa	276	153,625	158,457	161,488	164,607	165,466
Maricopa County Community College District	231	128,577	132,622	135,159	137,769	138,487
Paradise Valley	79	43,972	45,356	46,223	47,116	47,362
Peoria	844	469,779	484,558	493,827	503,365	505,989
Phoenix	10,570	5,883,373	6,068,458	6,184,538	6,303,985	6,336,850
Scottsdale	1,564	870,539	897,925	915,101	932,775	937,638
Sun City Fire	66	36,736	37,892	38,617	39,363	39,568
Surprise	538	299,456	308,877	314,785	320,865	322,538
Tempe	1,457	810,982	836,494	852,495	868,960	873,490
Tolleson Fire & PD	136	75,699	78,080	79,574	81,111	81,534
Members Subtotal	19,738	10,986,378.82	11,331,999.37	11,548,761.45	11,771,811.79	11,833,183.92
Associates						
Rural Metro	108	44,683	46,411	47,428	48,474	48,630
Maricopa Ambulance	59	24,410	25,354	25,910	26,481	26,566
Associates Subtotal	167	69,093.77	71,765.23	73,338.12	74,955.64	75,196.35
ESTIMATED TOTALS	19,905	11,055,472.59	11,403,764.60	11,622,099.58	11,846,767.43	11,908,380.27

RECOMMENDATION

The Executive Director, after review and approval by the Executive Committee, recommends Board approval of the proposed FY 2022/2023 RWC Trunked Network Budget and 5-Year Plan.



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	John Imig, RWC Executive Director Almira Santos, RWC Accountant III		Item 9
SUBJECT:	RWC CONVENTIONAL NETWORK (VHF) FISCAL YEAR 2022/23 SUBSCRIBER UNIT RATE, FY 23 BUDGET OVERVIEW AND 5-YEAR PLAN		

BACKGROUND

The purpose of this report is to present the FY2022/23 subscriber unit rate, FY 23 Budget Overview and 5-Year Plan for the RWC Conventional Network.

THE ISSUE

The subscriber unit rate is determined by dividing the staffing, operations, and maintenance budget by the number of subscriber units estimated to be on the network in FY2022/23. The rate for FY2022/23, if approved, will be \$9.72, which represents a decrease of \$0.56 from the previous rate of \$10.28. This revised rate was based on the October 2021 Radio count. The reasons for the rate decrease are as follows:

- 7.21% increase in radio count
- Decrease in telecommunications costs

Annual Staffing, O&M	\$ 491,013.00
Subscriber Units	4,208
Monthly Subscriber Rate	\$ 9.72

For planning purposes, the summary of the RWC Conventional Network FY2022/23 budget by member and the 5-Year Plan is reflected on the following page.

FY 2022/23 Budget by Member

RWC - Conventional Network FY23 Budget Detail					
Member	Radio Count as of Oct 2021	Staffing / O&M	Special Assessments	Minimum Balance	Total Budget
AFMA	94	\$ 10,968	\$ 7,845	\$ -	\$ 18,813
Avondale	89	10,385	7,428	-	17,813
Buckeye	96	11,202	8,012	-	19,214
Buckeye Valley FD	98	11,435	8,179	-	19,614
Chandler	162	18,903	13,520	-	32,423
Daisy Mountain	103	12,019	8,596	-	20,615
El Mirage	43	5,017	3,589	-	8,606
Glendale	221	25,788	18,444	-	44,231
Goodyear	109	12,719	9,097	-	21,815
Guadalupe	11	1,284	918	-	2,202
Harquahala	11	1,284	918	-	2,202
Maricopa	61	7,118	5,091	-	12,209
Peoria	186	21,704	15,523	-	37,226
Phoenix	2,141	249,824	178,678	-	428,502
Scottsdale	244	28,471	20,363	-	48,834
Sun City Fire	58	6,768	4,840	-	11,608
Surprise	143	16,686	11,934	-	28,620
Tempe	306	35,706	25,537	-	61,243
Tolleson	32	3,734	2,671	-	6,405
Members Subtotal	4,208	\$ 491,013	\$ 351,180	\$ -	\$ 842,193
Conditional Participant					
Conditional Participant Subtotal	0	\$ -	\$ -	\$ -	\$ -
TOTAL	4,208	\$ 491,013	\$ 351,180	\$ -	\$ 842,193

5-Year Plan

RWC Conventional Network (VHF) ANNUAL BUDGET	FY2022/23	FY2023/24	FY2024/25	FY2025/26	FY2026/27
Subscriber Rate	\$ 9.72	\$ 9.81	\$ 9.90	\$ 9.98	\$ 10.07
Estimated Subscriber Count	4,208	4,208	4,208	4,208	4,208
O&M, Staffing	\$ 491,013.00	\$ 495,358.00	\$ 499,746.00	\$ 504,179.00	\$ 508,655.00
Required Minimum Balance	\$ -	\$ -	\$ -	\$ -	\$ -
Special Projects	\$ 351,180.00	\$ 351,180.00	\$ 351,180.00	\$ 351,180.00	\$ 351,180.00
Total Budget	\$ 842,193.00	\$ 846,538.00	\$ 850,926.00	\$ 855,359.00	\$ 859,835.00

RECOMMENDATION

The Executive Director, after review and approval by the RWC Executive Committee, recommends the Board approve the FY2022/23 subscriber unit rate of \$9.72, FY 23 Budget, and 5-Year Plan and authorize the RWC staff to assess the members quarterly.



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	John Imig, RWC Executive Director Nicholas Roosevelt, RWC Management Assistant I	Item 10	
SUBJECT:	COMMUNICATIONS SYSTEMS STRATEGIC ALLIANCE COMMITTEE APPOINTMENTS (Continued from August 26, 2021)		

BACKGROUND

The Communications Systems Strategic Alliance (CSSA) Intergovernmental Agreement (IGA) requires that each System must appoint an executive level member from their governing body to serve on the Coordinating Council as the *Coordinating Council Executive Representative*.

THE ISSUE

The Board of Directors must appoint a Board member to serve as the Regional Wireless Cooperative (RWC) representative on the CSSA Coordinating Council Executive.

RECOMMENDATION

The RWC Executive Director, after review and concurrence of the Executive Committee, hereby recommends that the Board appoint a Coordinating Council Executive to represent the RWC on the CSSA Coordinating Council.



BOARD OF DIRECTORS REPORT

TO:	Regional Wireless Cooperative (RWC) Board Members	Agenda Date:	December 2, 2021
FROM:	John Imig, RWC Executive Director		Item 11
SUBJECT:	EXECUTIVE DIRECTOR'S REPORT		

BACKGROUND

The Executive Director will brief the Board of Directors on the following items:

- A. RWC External Audit Update
- B. Executive Committee New Member
- C. ERRCS Position Vacancy
- D. Interference Detection System UASI Grant Update
- E. City of Phoenix ITS RWC Audit Update

RECOMMENDATION

This item is for information and discussion.