Date: September 26, 2024

To: Topaz Regional Wireless Cooperative (TRWC) Board of Directors

From: Dale Shaw, TRWC Executive Director
Rob Duggan, TRWC Executive Committee Co-chairman
Jason King, TRWC Executive Committee Co-chairman

Subject: Fiscal Year 2025/2026 Budget

Recommendation

The TRWC Executive Director and Executive Committee recommends the review and consideration of the Preliminary TRWC Budget (attached) in the amount of $11,530,453 for Fiscal Year 2025/2026.

Background & Discussion

The attached Preliminary Budget for Fiscal Year 2025/2026 has been under review and endorsed by the TRWC Executive Committee. When compared to the current 2024/2025 Fiscal Year Budget, the proposed Operating & Maintenance expenses will increase by $906,056 (predominately due to increases in Motorola contract, equipment maintenance, and support contract costs). When compared to the previously presented forecast, Capital expenditures will increase by $1,489,171 (predominately due to expansion sites development, device interoperability improvements, and various equipment lifecycle upgrade costs).

Fiscal Impact

The Preliminary Budget represents the total planned contribution by all member agencies for the ongoing operation, maintenance, and improvement of the TRWC radio network. Each member agency will be invoiced as actual expenditures occur on a monthly basis using the cost allocation methodology outlined in the adopted Budget.

Current Year Capital expenditures

For the current fiscal year 2025 there are budgeted capital project which are being canceled, they are:

Interface for non-Motorola Dispatch Console	CP1199	$225,000
TOPAZ P25 Voice Radio Network Lifecycle Upgrade	LF0269	$350,000
P25 Network In-Bound Data Enhancement	LF0515	$371,000

TRWC Operating & Maintenance Budget
Summary of Labor and Non-labor

	FY24/25 Adopted BUDGET	FY25/26 DRAFT BUDGET	Straightline FORECAST				
			FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31
ESCALATION FACTOR	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Salaries and Wages	$ 865,861	891,837	$ 918,592	$ 946,150	$ 974,534	$1,003,770	$1,033,884
Total Labor	$ 865,861	$ 891,837	$ 918,592	$ 946,150	$ 974,534	$1,003,770	$1,033,884
ESCALATION FACTOR (Dropping down from 6% to 3% assuming no hyperinflation)	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
GENERAL & ADMINISTRATIVE - OTHER SERVICES							
Temp Services	$ 7,268	7,486	$ 7,711	$ 7,942	$ 8,180	$ 8,426	$ 8,678
Prof Services - Legal	$ 102,500	62,500	64,375	$ 66,306	$ 68,295	$ 70,344	$ 72,455
Prof Services - TRWC Executive Director & Consulting & Other	$ 211,845	218,200	224,746	$ 231,489	$ 238,433	$ 245,586	$ 252,954
Ins. Premiums - Agencies	$ 10,297	10,606	10,924	$ 11,252	$ 11,589	$ 11,937	$ 12,295
Utilities	$ 93,195	95,991	98,871	$ 101,837	$ 104,892	$ 108,039	$ 111,280
Telephone	$ 4,119	4,243	4,370	$ 4,501	$ 4,636	$ 4,775	$ 4,918
Repairs & Maint	$ 137,051	141,163	145,397	$ 149,759	$ 154,252	$ 158,880	$ 163,646
Equipment Usage (Vehicles)	$ 32,607	33,585	34,593	$ 35,631	$ 36,699	$ 37,800	$ 38,934
Shaw Butte & Florence Gardens	$ 26,770	27,573	28,400	$ 29,252	$ 30,130	$ 31,034	$ 31,965
Training	$ 23,331	24,031	24,752	$ 25,494	$ 26,259	$ 27,047	$ 27,858
Travel	$ 23,331	24,031	24,752	$ 25,494	$ 26,259	$ 27,047	$ 27,858
Networking Subscription Costs -(FirstNet)	$ 13,738	14,150	14,575	$ 15,012	$ 15,462	$ 15,926	$ 16,404
All Other Services	-	-	-	-	-	-	
TOTAL OTHER SERVICES	$ 686,052	$ 663,559	$ 683,465	$ 703,969	$ 725,088	$ 746,841	$ 769,246
GENERAL & ADMINISTRATIVE - COMMODITIES							
Non Cap Assets	$ 211,708	218,059	$ 224,601	$ 231,339	$ 238,279	$ 245,428	$ 252,790
Contract - Motorola (Preventative & Security Monitoring) Actual plus 8% tax	$ 1,453,148	2,331,013	$2,373,535	2,403,549	2,434,452	2,434,452	2,507,485
Software Maint-Avait,Juniper	$ 72,967	75,156	$ 77,411	79,733	82,125	84,589	87,126
Materials & Repair Parts	$ 35,550	36,617	$ 37,715	38,846	40,012	41,212	42,449
All Other Commodities	-	-	-	-	-	-	
TOTAL COMMODITIES	$ 1,773,373	$ 2,660,845	$2,713,262	$ 2,753,468	$ 2,794,868	$2,805,680	$2,889,850
OTHER BUDGET ITEMS							
PROPOSED CONTINGENCY - 1.5%	$ 49,879	63,890	$ 65,807	$ 67,781	$ 69,814	$ 71,909	$ 74,066
VHF OPERATIONS Equipment Repair	$ 28,795	29,659	$ 30,549	31,465	32,409	33,381	34,383
VHF Equipment Staff Time	$ 29,098	29,971	30,870	31,796	32,750	33,733	34,745
TOTAL OTHER BUDGET ITEMS	$ 107,772	$ 123,520	$ 127,225	$ 131,042	$ 134,973	$ 139,023	$ 143,193
Total Operating & Maintenance	$ 3,433,057	$ 4,339,760	$4,442,545	$ 4,534,629	$ 4,629,464	$4,695,314	$4,836,173
O&M - AIRTIME PERCENTAGE (1)							
Mesa	65.34%	65.34%	65.34%	65.34%	65.34%	65.34%	65.34%
Gilbert	16.49%	16.49%	16.49%	16.49%	16.49%	16.49%	16.49%
Apache Junction	9.16%	9.16%	9.16%	9.16%	9.16%	9.16%	9.16%
Ft McDowell	1.33%	1.33%	1.33%	1.33%	1.33%	1.33%	1.33%
Superstition Fire & Medical	0.95%	0.95%	0.95%	0.95%	0.95%	0.95%	0.95%
Queen Creek	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%
Rio Verde	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%
Southwest Ambulance	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
American Medical Response	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%
Fountian Hills	0.33%	0.33%	0.33%	0.33%	0.33%	0.33%	0.33%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
VHF SPECIAL ASSSESSMENT (2)							
Mesa Fire & Medical	64.21%	64.21%	64.21%	64.21%	64.21%	64.21%	64.21%
Gilbert Fire	16.14%	16.14%	16.14%	16.14%	16.14%	16.14%	16.14%
Superstition Fire & Medical	7.78%	7.78%	7.78%	7.78%	7.78%	7.78%	7.78%
Queen Creek Fire	7.73%	7.73%	7.73%	7.73%	7.73%	7.73%	7.73%
Rio Verde Fire	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%	1.43%
Fountian Hills	2.71%	2.71%	2.71%	2.71%	2.71%	2.71%	2.71%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
ANNUAL ESTIMATED REVENUE: OPERATING & MAINTENANCE							
Mesa	$ 2,242,505	$ 2,834,925	$2,902,065	$ 2,962,212	$ 3,024,155	$3,067,160	$3,159,175
Gilbert	$ 565,909	$ 715,418	$ 732,361	$ 747,539	$ 763,171	$ 774,022	$ 797,243
Apache Junction	$ 309,165	$ 392,060	$ 401,311	$ 409,577	$ 418,090	$ 423,943	$ 436,661
Ft McDowell	$ 44,890	$ 56,926	$ 58,269	$ 59,469	$ 60,705	$ 61,555	$ 63,402
Superstition Fire & Medical	$ 36,568	$ 45,300	$ 46,399	$ 47,400	$ 48,430	$ 49,189	$ 50,665
Queen Creek	$ 194,834	$ 246,009	$ 251,843	$ 257,075	$ 262,464	$ 266,218	$ 274,205
Rio Verde	$ 6,566	$ 8,129	$ 8,326	$ 8,506	$ 8,691	$ 8,828	$ 9,092
Southwest Ambulance	$ -	$ -	$ -	$ -	$ -	$ -	$ -
American Medical Response	$ 19,913	$ 25,253	$ 25,849	$ 26,381	$ 26,929	$ 27,306	$ 28,126
Fountian Hills	$ 12,707	$ 15,740	$ 16,122	$ 16,470	$ 16,828	$ 17,092	$ 17,605
TOTAL	$ 3,433,057	$ 4,339,760	$4,442,545	$ 4,534,629	$ 4,629,464	$4,695,314	$4,836,173

(1) Normal partner assessments are allocated based on the July 2022 6-month rolling average airtime and will change based on actual monthly data.

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TRWC Capital Budget Plan	PROJECT ID	FY 23/24 W/Carry Over	FY24/25	FY 24/25 W/ Carry Over	Proposed FY25/26 (Prior year)	New Proposal FY 25/26	New Proposal FY 26/27	New Proposal FY 27/28	New Proposal FY 28/29	New Proposal FY 29/30	New Proposal FY 30/31	TOTAL 6 Years	24/25 Difference (Carry over)
ESCALATION FACTOR						3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		
Site Expansion #1 H60	CP0091	2,940,000	570,640	468,527		-	-	-	-	-	-	$ 468,527	$ (102,113)
Site Expansion #2 WOL	CP0754	1,742,001	1,126,432	2,842,951		-	-	-	-	-	-	$ 2,842,951	$ 1,716,519
Site Expansion #3 QC Land Purchase	CP0779	475,000	1,487,300	1,962,300	1,200,000	2,334,505	-	-	-	-	-	$ 4,771,805	$ 475,000
Interface for non-Motorola Dispatch Console (1)	CP1199	-	225,000	-		-	-	-	-	-	-	$ -	$ (225,000)
Upgrade Shaw Butte and Florence Gardens to P25 Phase II (TDMA)	CP0906	-	-	-		-	-	-	-	-	-	$ -	$ -
Radio Sites Emergency Power Upgrade	LF0226	71,825	-	-		-	-	-	-	-	-	$ -	$ -
Communications Building UPS Battery Replacement	LF0228	17,700	-	-		-	18,036	-	-	-	-	$ 18,036	$ -
Internet Protocol Network Routers & Switches Upgrade (Work in FY25)	LF0336	480,000	513,600	513,600	549,552	549,552	256,800	-	-	-	-	$ 1,799,952	$ -
Radio & Core Sites Battery Backup Lifecycle Upgrade (CRS)	LF0266	61,910	90,000	112,606	90,000	96,300	103,041	-	-	-	-	$ 311,947	$ 22,606
Radio & Core Sites DC Power Plant Lifecycle Upgrade	LF0267	-	-	-		750,000	802,500	-	-	-	-	$ 1,552,500	$ -
P25 Network In-Bound Data Enhancement (1)	LF0515	371,000	371,000	371,000							-	$ 371,000	$ -
TOPAZ P25 Voice Radio Network Lifecycle Upgrade (FY27) (1)	LF0269	-	350,000	350,000	8,000,000	-	7,500,000	7,500,000	-	-	-	$ 15,350,000	$ -
Wireless Backhaul (Microwave) Network Lifecycle Upgrade (Includes Antennas and tower work 5 microwave shots) Added years to project	LF0403CAP	431,476	420,000	762,000		-	-	-	-	-	-	$ 762,000	$ 342,000
Relocate CRS radio site (Lindsey/McDowell FS)							-	-				$ -	
Tower (infrastructure) upgrade/replacement	CP1200		100,000	100,000	107,000	107,000	114,490	122,504	131,080	140,255	-	$ 615,329	
New Radio Site security system (lock/keys/gates/ccure)						150,000							
		-	-	-		-						$ -	$ -
Sub-total		6,590,912	5,253,972	7,482,984	9,946,552	3,987,357	8,794,867	7,622,504	131,080	140,255	-	$ 34,749,959	$ 2,229,012
Fire Hazard Zone System Coverage Improvement and Expansion (Gilbert/Queen Creek)	CP0907	450,000	250,000	250,000	267,500	257,500	265,225	273,182	281,377	289,819	-	$ 2,067,103	$ -
Fire Hazard Zone System Lifecycle Upgrade Router Refresh replacement in FY25	LF0465CAP	147,500		297,500		-	-	-	-	-	-	$ 445,000	$ 297,500
		-	-	-		-	-	-	-	-	-	$ -	$ -
	New	-	-	-		-	-	-	-	-	-	$ -	$ -
Sub-total VHF Special Assessment Projects		597,500	250,000	547,500	267,500	257,500	265,225	273,182	281,377	289,819	-	$ 2,512,103	297,500
Total Capital & Fire Special Assessment Projects		$ 7,188,412	$ 5,503,972	$ 8,030,484	$ 10,214,052	$ 4,244,857	$ 9,060,092	$ 7,895,686	$ 412,457	$ 430,074	$ -	$ 37,262,062	$ 2,526,512
Capital Assessment to Members													
Mesa	65.72%	4,114,531	2,773,012	4,020,792		1,553,198	5,780,207	5,009,702	86,151	92,180	-	20,656,761	
Gilbert	16.59%	1,014,401	624,750	915,675		274,146	1,458,740	1,264,289	21,741	23,263	-	4,972,255	
Apache Junction	9.22%	563,595	347,108	508,744		152,314	810,467	702,431	12,079	12,925	-	2,762,555	
Ft McDowell	1.34%	81,953	50,473	73,977		22,148	117,851	102,142	1,756	1,879	-	401,706	
Superstition Fire & Medical	0.96%	58,713	36,160	52,999		15,867	84,431	73,176	1,258	1,346	-	287,790	
Queen Creek	5.67%	726,772	1,403,410	1,882,863		1,961,321	498,669	432,196	7,432	7,952	-	5,517,205	
Rio Verde	0.18%	10,764	6,629	9,716		2,909	15,479	13,415	231	247	-	52,761	
Fountain Hills	0.33%	20,183	12,430	18,218		5,454	29,023	25,153	432	463	-	98,926	
Sub-total	100.00%	6,590,912	5,253,972	7,482,984	-	3,987,357	8,794,867	7,622,504	131,080	140,255	-	34,749,959	
		-	-	-		-	-	-	-	-	-	-	
VHF Special Assessment													
Mesa Fire & Medical	64.21%	383,655	160,525	351,550		165,341	170,301	175,410	180,672	186,093	-	1,613,022	
Gilbert Fire	16.14%	96,437	40,350	88,367		41,561	42,807	44,092	45,414	46,777	-	405,455	
Superstition Fire & Medical	7.78%	46,486	19,450	42,596		20,034	20,635	21,254	21,891	22,548	-	195,444	
Queen Creek Fire	7.73%	46,187	19,325	42,322		19,905	20,502	21,117	21,750	22,403	-	194,186	
Rio Verde Fire	1.43%	8,544	3,575	7,829		3,682	3,793	3,906	4,024	4,144	-	35,922	
Fountain Hills	2.71%	-	6,775	14,837		6,978	7,188	7,403	7,625	7,854	-	51,885	
Sub-total	100.00%	581,309	250,000	547,501		257,501	265,226	273,182	281,376	289,819	-	2,495,914	
Special Assestment SAU													
Console Upgrade from MCC 7500 to AXS (1)													
Mesa-$40,825.09 tax added to 23/24					-	864,777	800,719	800,719	800,719	-	-	3,266,934	
Gilbert ($400,000 billed directly to Gilbert upon contract signing)$7,069.15 tax added to 23/24 Console Upgrade from MCC 7500 to AXS (2) Gilbert	-	400,000	198,196	198,196		134,972	129,568	134,300	139,174	-	-	1,136,210	
Ft McDowell				-		79,128	73,267	73,267	73,267	-	-	298,929	
Sub-total AXS Console Upgrade Special Assessment Projects	400,000	400,000	198,196	198,196		1,078,877	1,003,554	1,008,286	1,013,160	-	$ -	4,702,073	
QC Site Expansion Special Assessment		380,000	1,189,840	1,569,840		1,867,604	-	-	-	-	-	3,817,444	
QC Site Expansion Special Assessment (Mesa share)		95,000	297,460	392,460		466,901						954,361	
Total QC expansion Site		475,000	1,487,300	1,962,300		2,334,505	-	-	-	-	-	4,771,805	
Total Capital + Fire Special Assessment + AXS + QC Site Expansion													
Mesa		4,498,289	2,933,537	4,372,342		1,718,539	5,950,508	5,185,112	266,823	278,273	-	22,269,886	
Gilbert		1,510,838	863,296	1,004,042		1,394,584	2,505,101	2,316,667	1,080,315	70,040	-	9,881,587	
Apache Junction		563,595	347,108	508,744		152,314	810,467	702,431	12,079	12,925	-	2,762,555	
Ft McDowell		81,953	50,473	73,977		22,148	117,851	102,142	1,756	1,879	-	401,706	
Superstition Fire & Medical		105,199	55,610	95,595		35,901	105,066	94,430	23,149	23,894	-	483,234	
Queen Creek		1,152,959	1,422,735	1,925,185		3,848,830	519,171	453,313	29,182	30,355	-	7,958,995	
Rio Verde		19,308	10,204	17,545		6,591	19,272	17,321	4,255	4,391	-	88,683	
Fountain Hills			19,205	33,055		12,432	36,211	32,556	8,057	8,317	-	130,628	
Total		7,932,141	5,702,168	8,030,485		7,191,339	10,063,647	8,903,972	1,425,616	430,074	-	43,977,274	

(1) Projects removed from the propsed budget will no longer be needed
(2) Console cost will be incured in the last 3 years of the SUA, Gilbert's will be over the entire 6 years

TOPAZ
Detail of Operating and Maintenance
Fiscal Year 2023 / 2024

Description	Budget	Updated Forecast	YTD Forecast*	YTD Actual	$ Var From YTD Forecast Incr/(Decr)	% Var From YTD Forecast
	Year to Date Through June 30, 2024					
Personnel Services	$ 777,727	$ 777,727	$ 777,727	$ 584,114	$ (193,613)	-25%
Insurance Premiums	9,714	9,714	9,714	-	(9,714)	-100%
Temp Services	6,857	6,857	6,857	99	(6,758)	-99%
Leases and Rents - Land	26,770	26,770	26,770	24,224	(2,546)	-10%
Professional Services - Consulting	103,156	103,156	103,156	106,493	3,337	3%
Professional Services - Other-combining legal, consulting	186,708	186,708	186,708	78,655	(108,053)	-58%
Utilities	87,920	87,920	87,920	81,273	(6,647)	-8%
Telephone	3,886	3,886	3,886	3,215	(671)	-17%
Networking Subscription Costs	12,960	12,960	12,960	-	(12,960)	-100%
Repairs & Maintenance	37,551	37,551	37,551	32,681	(4,870)	-13%
Equipment Usage (Vehicles)	24,226	24,226	24,226	23,903	(323)	-1%
All Other Services	44,020	44,020	44,020	582	(43,438)	-99%
Sub-total Services	543,768	543,768	543,768	351,124	(192,644)	-35%
Motorola Contract	1,082,910	1,082,910	1,082,910	1,153,263	70,353	6%
Juniper Software	72,967	72,967	72,967	32,130	(40,837)	-56%
Materials & Parts	33,538	33,538	33,538	2,499	(31,040)	-93%
Non Cap Assets	14,284	14,284	14,284	8,758	(5,526)	-39%
All Other Commodities	-	-	-	-	-	0%
Sub-total Commodities	1,203,699	1,203,699	1,203,699	1,196,650	(7,049)	-1%
Subtotal O&M	2,525,194	2,525,194	2,525,194	2,131,888	(393,306)	-16%
Contingency - 5.0% of total O&M	126,260	126,260	126,260	-	(126,260)	-100%
VHF Operations	60,221	60,221	60,221		(60,221)	-100%
Total	$ 2,711,675	$ 2,711,675	$ 2,711,675	$ 2,131,888	$ (579,787)	-21%

*YTD Forecast represents 12 months of operational costs plus any contractual expenses already incurred (i.e. one time payments such as Insurance Premiums, Land Rental and Motorola Contract).

TOPAZ
Detail of Capital Projects **Year to Date Through June 30, 2024**
Fiscal Year 2023 / 2024

Project	Project ID	Budgeted	YTD Forecast*	YTD Actual	$ Var From YTD Forecast Incr/(Decr)	% Var
Site Expansion #1 H60	CP0091	2,940,000	2,940,000	1,695,478	$ (1,244,522)	-42.33%
Site Expansion #2 WOL	CP0754CAP	1,742,001	1,742,001	81,235	$ (1,660,766)	-95.34%
Site Expansion #3 QC Land Purchase	CP0779	475,000	475,000	-	$ (475,000)	-100.00%
TOPAZ Voice Radio Network Upgrade	CN0022	-	-	-	$ -	0.00%
Upgrade Shaw Bute & Florence Gardens to P25 Phase II	CP0906	-	-	-	-	0.00%
Wireless Backhual (Microwave) Network Lifecycle Upgrade	LF0403CAP	431,476	431,476	1,222	(430,254)	-99.72%
P25 Network In-Bound Data Enhancement	LF0515	371,000	371,000	-	(371,000)	-100.00%
System-of-Systems Networking	CP0438	-	-	-	-	0.00%
Fire Hazard Zone System Coverage Improvement & Expansion	CP0907	450,000	450,000	4,172	(445,828)	-99.07%
Fire Hazard Zone System Lifecycle Upgrade	LF0465CAP	147,500	147,500	-	(147,500)	-100.00%
Fire Hazard Zone System Simulcast Timing Reference Lifecycle Upgrade	LF0402POM	-	-	2,216	2,216	0.00%
System-of-Systems	CP0905	-	-	-	-	0.00%
Florence Gardens ISR Site Lifecycle upgrade	LF0224	-	-	-	-	0.00%
Radio & Core Sites Battery Backup Lifecycle Upgrade	LF0266	61,910	61,910	44,304	(17,606)	-28.44%
Radio Sites Emergency Power Upgrade	LF0226	71,825	71,825	-	(71,825)	-100.00%
Communications Building UPS Battery Replacement	LF0228	17,700	17,700	15,675	(2,025)	-11.44%
Internet Protocol Network Routers & Switches Upgrade	LF0248	480,000	480,000	-	(480,000)	-100.00%
Antenna & Transmission Lines Lifecycle Upgrade	LF0282	-	-	-	-	0.00%
Consulting Services for VHF & 7/800 MHz Coverage Expansion		-	-	-	-	0.00%
Total Capital Projects		$ 7,188,412	$ 7,188,412	$ 1,844,302	$ (5,344,110)	-74.34%
Capital Assessment to Members						
Mesa	65.72%	1,226,380	1,226,380	1,200,741	(25,639)	-2.09%
Gilbert	16.59%	355,841	355,841	314,413	(41,428)	-11.64%
Apache Junction	9.22%	167,391	167,391	179,710	12,319	7.36%
Ft McDowell	1.34%	40,486	40,486	27,953	(12,533)	-30.96%
Superstition Fire & Medical	0.96%	13,072	13,072	15,492	2,420	18.51%
Queen Creek	5.67%	11,801	11,801	101,721	89,920	761.97%
Rio Verde	0.18%	545	545	1,910	1,365	250.46%
Fountain Hills	0.33%	-	-	2,362	2,362	0.00%
Total Assessment to Members	100.00%	$ 1,815,516	$ 1,815,516	$ 1,844,302	$ 28,786	1.59%

*YTD Forecast represents 12 months of project costs plus any contractual expenses already incurred (i.e. one time payments).

TOPAZ
Detail of Operating and Maintenance
Fiscal Year 2024 / 2025

	Year to Date Through August 31, 2024					
Description	**Budget**	**Updated Forecast**	**YTD Forecast***	**YTD Actual**	**$ Var From YTD Forecast Incr/(Decr)**	**% Var**
Personnel Services	$ 865,861	$ 865,861	$ 166,512	$ 109,562	$ (56,950)	-34%
Insurance Premiums	10,297	10,297	1,716	-	(1,716)	-100%
Temp Services	7,268	7,268	1,211	-	(1,211)	-100%
Leases and Rents - Land	26,770	26,770	4,462	15,824	11,362	255%
Professional Services - Consulting	211,845	211,845	35,308	9,291	(26,017)	-74%
Professional Services - Other-combining legal, consulting	102,500	102,500	17,083	520	(16,563)	-97%
Utilities	93,195	93,195	15,533	16,874	1,341	9%
Telephone	4,119	4,119	687	209	(478)	-70%
Networking Subscription Costs	13,738	13,738	2,290	-	(2,290)	-100%
Repairs & Maintenance	137,051	137,051	22,842	3,000	(19,842)	-87%
Equipment Usage (Vehicles)	32,607	32,607	5,435	1,492	(3,943)	-73%
All Other Services	46,662	46,662	7,777	-	(7,777)	-100%
Sub-total Services	686,052	686,052	114,344	47,209	(67,135)	-59%
Motorola Contract	1,453,148	1,453,148	242,191	-	(242,191)	-100%
Juniper Software	72,967	72,967	12,161	-	(12,161)	-100%
Materials & Parts	35,550	35,550	5,925	1,282	(4,643)	-78%
Non Cap Assets	211,708	211,708	35,285	-	(35,285)	-100%
All Other Commodities	-	-	-	-	-	0%
Sub-total Commodities	1,773,373	1,773,373	295,562	1,282	(294,280)	-100%
Subtotal O&M	3,325,286	3,325,286	576,418	158,053	(418,365)	-73%
Contingency - 1.5% of total O&M	49,879	49,879	8,313	-	(8,313)	-100%
VHF Operations	57,893	57,893	9,649		(9,649)	-100%
Total	$ 3,433,058	$ 3,433,058	$ 594,380	$ 158,053	$ (436,327)	-73%

*YTD Forecast represents 2 months of operational costs plus any contractual expenses already incurred (i.e. one time payments such as Insurance Premiums, Land Rental and Motorola Contract).

TOPAZ
Detail of Capital Projects
Fiscal Year 2024 / 2025

Year to Date Through August 31, 2024

Project	Project ID	Budgeted	YTD Forecast*	YTD Actual	$ Var From YTD Forecast Incr/(Decr)	% Var
Site Expansion #1 H60	CP0091	468,527	78,088	19,048	$ (59,040)	-75.61%
Site Expansion #2 WOL	CP0754CAP	2,842,951	473,825	23,419	$ (450,406)	-95.06%
Site Expansion #3 QC Land Purchase	CP0779	1,962,300	327,050	-	$ (327,050)	-100.00%
Wireless Backhual (Microwave) Network Lifecycle Upgrade	LF0403CAP	762,000	127,000	-	(127,000)	-100.00%
P25 Network In-Bound Data Enhancement	LF0515	371,000	61,833	-	(61,833)	-100.00%
System-of-Systems Networking	CP0438	-	-	-	-	0.00%
Fire Hazard Zone System Coverage Improvement & Expansion	CP0907	250,000	41,667	-	(41,667)	-100.00%
Fire Hazard Zone System Lifecycle Upgrade	LF0465CAP	297,500	49,583	-	(49,583)	-100.00%
Fire Hazard Zone System Simulcast Timing Reference Lifecycle Upgrade	LF0402POM	-	-	-	-	0.00%
Tower (infrastructure) upgrade/replacement	CP1200	100,000	16,667	-	(16,667)	-100.00%
TOPAZ P25 Voice Radio Network Lifecycle Upgrade (FY27) (1)	LF0269	350,000	58,333	-	(58,333)	-100.00%
Radio & Core Sites Battery Backup Lifecycle Upgrade	LF0266	112,606	18,768	-	(18,768)	-100.00%
Radio Sites Emergency Power Upgrade	LF0226	-	-	-	-	0.00%
Communications Building UPS Battery Replacement	LF0228	-	-	-	-	0.00%
Internet Protocol Network Routers & Switches Upgrade	LF0248/336	513,600	85,600	-	(85,600)	-100.00%
Antenna & Transmission Lines Lifecycle Upgrade	LF0282	-	-	-	-	0.00%
Upgrade Shaw Butte and Florence Gardens to P25 Phase II (TDMA)	CP0906	-	-	190,376	190,376	0.00%
Total Capital Projects		$ 8,030,484	$ 1,338,414	$ 232,843	$ (1,105,571)	-82.60%
Capital Assessment to Members						
Mesa	65.72%	1,226,380	204,397	151,580	(52,817)	-25.84%
Gilbert	16.59%	355,841	59,307	38,755	(20,552)	-34.65%
Apache Junction	9.22%	167,391	27,899	21,812	(6,087)	-21.82%
Ft McDowell	1.34%	40,486	6,748	3,281	(3,467)	-51.38%
Superstition Fire & Medical	0.96%	13,072	2,179	2,152	(27)	-1.24%
Queen Creek	5.67%	11,801	1,967	13,932	11,965	608.29%
Rio Verde	0.18%	545	91	421	330	362.64%
Fountain Hills	0.33%	-	-	902	902	0.00%
Total Assessment to Members	100.00%	$ 1,815,516	$ 302,588	$ 232,835	$ (69,753)	-23.05%

*YTD Forecast represents 2 months of project costs plus any contractual expenses already incurred (i.e. one time payments).

Date: 09/26/2024

To: TOPAZ Regional Wireless Cooperative (TRWC) Board of Directors

Through: Dale Shaw, TRWC Executive Director

From: Chuck Craig

Subject: Administrator Update

Budget Update

The FY26 Budget has been reviewed by the executive committee and the TRWC Executive Director, with normal CPI increases for O&M, a new capital initiative for maintaining physical plant security for our radio sites and a significant reduction in the costs for upgrading the P25 radio system from Motorola. Areas of note are potential FY2025 saving around certain capital and lifecycle projects not moving forward.

H60 Expansion

The H60 site is complete and on-line. We are waiting for a final review of equipment by Motorola later in September. Once this is complete, we will make a final payment to Motorola and close the project out. The project should come in under budget.

Wolverine Expansion Site

We are working closely with Mesa Engineering staff, and their assigned JOC construction company. We've meet to layout all electric, road construction, concrete, tower and building rehabilitation work. This project completion if scheduled for Q1 2025.

South-east Valley Queen Creek

We are actively working with Queen Creek PD, FD, real estate on the implementation of a new radio site in the SE valley. Having a QC site is part of the TRWC long term coverages goals, with budget capacity planned in FY25—FY27. We met recently with our QC partner, and they are reaching out to the State of AZ regarding a potential location of State land. We are meeting with QC again towards the beginning of October to review their findings.

General operations

The implementation of ActiveEye, a feature of the SUA, used to monitor and improve our overall cyber security posture is almost complete. Our admin team recently attended training on the new AXS console system at Gilberts dispatch facility. We will be moving forward with AXS after Gilber completed the beta testing of the dispatch suite.

Router Replacement Project

Yes this is still a on hold project. As part of the SUA, Motorola will be replacing all our ageing routers. This upgrade is covered by the SUA and will include VHF (non SUA) routers. They have also indicated an outage will be necessary when we upgrade to Juniper, this outage is in the planning for calendar in Q2/2025, after Wolverine comes on-line. When we get the installation details from Motorola, we will put a communication plan together with our partner agencies, with a plan minimizing the impact on our public safety radio network.

800MHz/VHF Coverage Review

Several partner agencies have requested a review of our current and planned system coverage. We will be meeting with the Technical Liaison Group to initiate discussions on this review. In previous instances, similar comprehensive coverage studies have cost between $80K and $100K. We plan to fund this study using Fire Hazard Zone System Coverage Improvement and Expansion funds, as well as potential savings from our Personal Services or Professional Services O&M budget lines.

Operations Summary

Overall system uptime remains at our goal level of %99.999. Our admin team reports that during the past 6 months there have been no occurrences of peak channel usage, and no reported system busy. Queen Creek Fire has indicated that they may have intermittent VHF coverage difficulties, that we are monitoring with them. Another topic of note; Gina Ross is working with Mesa IT to revamp the TRWC website, she has done a remarkable job of mocking up content for the DoIT developers to work with. More to follow on this important topic.