

Request for Reimbursement for Washoe County Regional Communication System Microwave Link Connectivity to Public Safety Answering Points

Emergency Response Advisory Committee Meeting
19 September 2024

Reimbursement for Microwave Links that connect, 2024, E911 Connects, 202

- Washoe County has installed microwave links as part of the Nevada Shared Radio System upgrade.
 - Microwave links to/from PSAPs are equipment utilized for "...transmitting information from a 'user' to an emergency responder and from an emergency responder to a 'user." (NRS 244A.7641, definition of Telephone System)
- Recommendation to approve reimbursement for equipment, installation and implementation services for microwave links that connect directly to regional Public Safety Answering Points (PSAPs) for a cost not to exceed \$606,143.10.
- Total cost of Washoe County Microwave System: \$2,633,123

WCRCS Microwave Infrastructure

Microwave Links connecting to PSAPS.

- Sparks Dispatch to Peavine
- Spectrum (NOC) to Peavine
- Chimney to NOC
- Virginia Peak to NOC
- Red Peak to NOC
- Edison Way to NOC
- Ophir to NOC
- Slide to NOC



Reimbursement Costs



Microwave Design & Installation	Locations/Equipment											
	Edison Way	Ophir Peak	Peavine Mtn	Red Peak	Slide Mtn	Sparks Dispatch	Spectrum	Spare Microwave Equipment	Grand Tota			
Radio Equipment	\$21,395.57	\$33,920.15	\$49,054.33	\$33,123.51	\$45,679.37	\$21,395.57	\$41,192.75	\$48,484.40	\$294,245.63			
Antennas	\$3,871.64	\$17,674.96	\$39,629.61	\$22,356.82	\$24,119.99	\$4,167.68	\$20,565.05	\$28,398.21	\$160,783.9			
Addt'l Mtrl Discount	(\$3,500.00)	(\$3,500.00)	(\$3,500.00)	(\$3,500.00)	(\$3,500.00)	(\$3,500.00)	(\$3,500.00)	(\$3,500.00)	(\$28,000.00			
Material Sale Price	\$27,209.00	\$60,118.88	\$106,479.92	\$64,975.41	\$82,874.20	\$27,579.06	\$72,822.24	\$91,728.26	\$533,786.98			
Material Variance	(\$985.63)	\$3,394.31	\$2,813.71	\$3,266.08	(\$2,529.46)	(\$1,043.10)	\$1,464.81	\$44,929.01	\$51,309.7			
Engineering & PM Svc	\$7,520.00	\$18,461.95	\$7,520.00	\$7,520.00	\$7,520.00	\$7,520.00	\$7,520.00	\$0.00	\$63,581.9			
Installation Svc	\$39,630.25	\$39,630.25	\$78,019.35	\$30,000.00	\$39,630.25	\$27,594.82	\$39,630.25		\$294,135.1			
Services Sale Price	\$62,238.33	\$76,681.70	\$112,911.94	\$49,526.40	\$62,238.33	\$46,351.56	\$62,238.33	\$0.00	\$472,186.6			
Services Variance	\$14,467.44	\$23,705.07	\$25,532.08	(\$14,211.48)	(\$9,355.01)	(\$1,625.70)	(\$11,960.62)	(\$19,958.68)	\$6,593.1			
Total	\$89,447.33	\$136,800.59	\$219,391.86	\$114,501.81	\$145,112.53	\$73,930.62	\$135,060.57	\$91,728.26	\$1,005,973.5			
911 Reimbursement	1 microwave link	1 out of 2 microwave links	2 out of 6 microwave links	1 out of 3 microwave links	1 out of 4 microwave links	1 microwave link	7 Microwave Links		Total Cost for PSA Microwav Link			
	\$89,447.33	\$68,400.29	\$73,130.62	\$38,167.27	\$36,278.13	\$73,930.62	\$135,060.57	\$91,728.26	\$606,143.1			

Detailed costs: Travel, Truck usage, Per diem, September 19, 2024, E911 Committee Meeting



Truck usage: \$5,045.00

Equipment Rental: \$5,233.09

Travel from out of state: \$4,588.32

Per diem: \$11,872.56

	Peavine																7	Total by Row
Truck usage	Work Tuck		ITL Work Truck	c - 94						3.00	Т	day		180.00	\$ 180.00			\$540.00
Truck usu50	Work Tuck		ITL Work Truck	c - 59						5.00	+	days		180.00	\$ 180.00			\$900.00
	Work Tuck		ITL Work Truck	c - 90						1.00		days		180.00	\$ 180.00			\$180.00
\$2,370.00															\$ -			\$0.00
, _ ,	Trailer		FlatTrailer						4.00		Days		75.00	\$ 75.00	\$300.00			
															\$ -			\$0.00
	Fuel		Fuel Surcharg	e = \$50/Day/Ti	uck					9.00		Days		50.00	\$ 50.00			\$450.00
Equip Rental	Anritsu Renta	l						1.00	Lot	\$		2,442.58	\$ 2,442.58		+			\$2,442.58
-1-1	Ethernet Test	er Rental						1.00	Lot	\$		442.50	\$ 442.50					\$442.50
\$3,659.63	Flanging Dies							1.00	Lot	\$		209.92	\$ 209.92					\$209.92
	Anritsu Adapt	ters						1.00	Lot	\$		564.63	\$ 564.63					\$564.63
Travel from out of State	Anthony Loza	Communicati	111.91						16.50		\$	1.846.52				-		\$1,846.52
\$ 4,588.32	Randy Sanche	Communicati	111.91						16.50		\$	1,846.52						\$1,846.52
,	Justin Holt	Communicati	111.91			8.00					\$	895.28						\$895.28
Per Diem: \$7844.337	Total Per Dier	n				•												\$7,844.37
	Sparks PS/	AP																
Truck usage	Work Truck		ITL Work truck	74						5.00		day	180.00		\$ 180.00			\$900.00
	Work Truck		ITL Work truck	95						5.00		day	180.00		\$ 180.00			\$900.00
\$2,675.00															\$ -			\$0.00
	Trailer		Flat Trailer							5.00		Days	75.00		\$ 75.00			\$375.00
															\$ -			\$0.00
	Fuel		Fuel Surcharg	e = \$50/day/tr	uck					10.00		Each	50.00		\$ 50.00			\$500.00
Equip Rental		Anritsu Renta	i						1.00	Lot	\$	1,050.19		\$ 1,050.19				\$1,050.19
		Ethernet Test	er Rental						1.00	Lot	\$	190.25		\$ 190.25				\$190.25
\$1,573.46		Flanging Dies					1.00	Lot	\$	90.26		\$ 90.26				\$90.26		
		Anritsu Adapt	ers						1.00	Lot	\$	242.76		\$ 242.76				\$242.76
Per Diem: \$4028.19	Total Per Dier	n																\$4,028.19
TOTAL FOR BOTH SITES:																	\$	26,738.97

TOTAL: \$26,738.97

Radio System Funding and possible grant support 19, 2024, E911 Complete Meeting

- Washoe County and P25 Radio System Joint Operating Committee (JOC) members are working on an P25 Radio System Interlocal Agreement addendum that would fund the remaining construction of Washoe County's portion of the NSRS P25 Radio System.
 - Addendum would fund \$3.9 million
 - \$3.9 million would be split proportionally based on number of radio LIDs/agency
 - This request would reduce addendum amount by ~\$600k.
 - Addendum funding is needed in Fiscal Year 2025/2026
 - Addendum commitments by JOC agencies are needed before Fiscal Year 2025/2026 budget planning begins.
- Washoe County is seeking grant funding to construct the Ash Field radio site and other sites, e.g. Seven Lakes, Smokey Quartz, if possible.
 - Ash Field funding is not included in the addendum the P25 Joint Operating Committee has prioritized the Seven Lakes, Smokey Quartz sites.
- To date, most grant funding identified is applicable to end-user equipment (i.e. handheld and mobile radios).
 - Substantial funding available for school safety.
 - Grant Coordinator has been reaching out to agency contacts when funding opportunities are identified.
 - Possible FEMA BRIC grants for radio sites.



Questions & Concerns?

Melissa Lawney
Washoe County Regional
Communications Coordinator
230 Edison Way
Reno, NV 89502
(775) 858-5952

Thank you



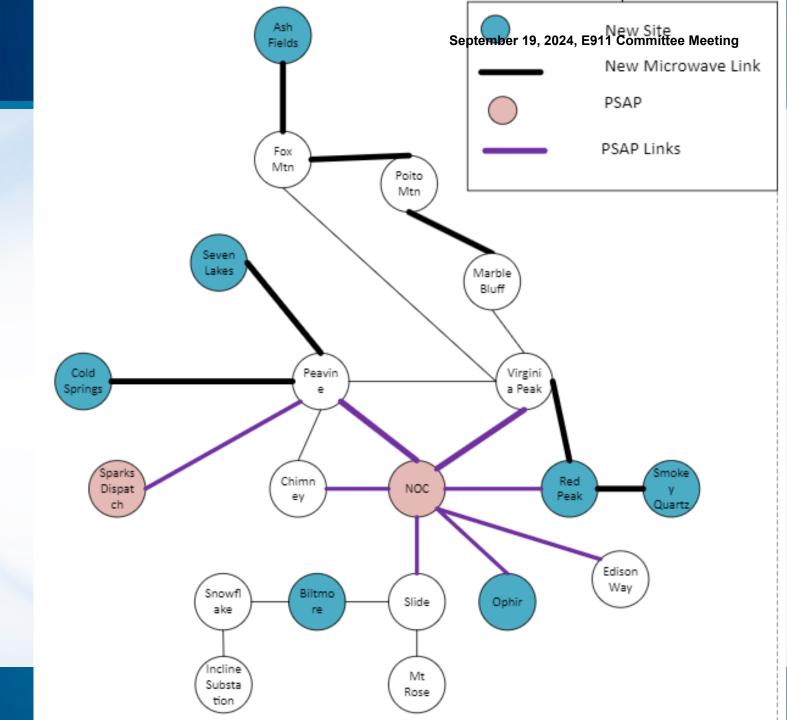
Washoe County Regional Communication System

911 Committee, 18 July 2024

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