



Program #78304C - Radio System Replacement (Phase 2) FY 2024 Adopted

Department: County Assets **Program Contact:** Rodney Chin
Program Offer Type: New **Program Offer Stage:** Adopted
Related Programs: 78304A/B
Program Characteristics: One-Time-Only Request

Executive Summary

This program offer is for funding phase two of the 25-year-old unsupported VHF radio system to replace the 200 radio subscriber units. Phase one was funded in FY 2023 to upgrade the tower/repeater sites, provide redundancy, eliminate the single point of failure and improve the coverage areas. This is a multi-year project that is planned to be completed by the end of FY2025.

Program Description

Multnomah County currently has a 25-year-old VHF radio system used by various departments for daily operations and primarily maintained as backup communications in the event of a disaster. Replacement parts are no longer available commercially, forcing county radio technicians to purchase used parts on the internet. During the 2017 Eagle Creek Fire evacuation, a number of VHF radio dead spots were noted near the eastern edge of the county as the fire spread rapidly. Roads department crews responsible for evacuation routing had difficulties communicating, which delayed some evacuation and sheltering operations. This program will provide the funds and resources to procure and implement a robust, reliable, redundant, secure backup radio system as recommended by the Federal Government Homeland Security Assessment for Multnomah County. The updated system will provide emergency communications during a disaster when internet and cell services are down.

Phase two will purchase, program and replace the existing 200 handheld radio subscriber units, including 10 for the District Attorney. In addition to the radio equipment much of the expenditures will be related to professional services, County staff time for configuring and deploying the radios and developing the radio support program.

Asset collection for equipment will begin in fiscal year 2026 and is estimated at \$287,000 annually. Equipment will be on a 7 year life cycle replacement plan. In addition, there will be approximately \$5,000 per month in lease costs for towers.

This program aligns with DCA and County values toward equity and inclusion. We have applied an equity and safety lens to ensure equitable radio coverage for our residents and communities.

Performance Measures

Measure Type	Primary Measure	FY22 Actual	FY23 Budgeted	FY23 Estimate	FY24 Offer
Output	New radios purchased and operational	N/A	N/A	N/A	25%
Outcome	New radio system working with new radio subscriber units	N/A	N/A	N/A	25%

Performance Measures Descriptions

PM#1 Radio's purchased, programmed, distributed and operational for customers.
 PM#2 New radio system implemented into production, new radio subscriber units able to connect and function for daily and emergency use.

Revenue/Expense Detail

	Adopted General Fund	Adopted Other Funds	Adopted General Fund	Adopted Other Funds
Program Expenses	2023	2023	2024	2024
Materials & Supplies	\$0	\$0	\$0	\$1,400,000
Total GF/non-GF	\$0	\$0	\$0	\$1,400,000
Program Total:	\$0		\$1,400,000	
Program FTE	0.00	0.00	0.00	0.00

Program Revenues				
Financing Sources	\$0	\$0	\$0	\$1,400,000
Total Revenue	\$0	\$0	\$0	\$1,400,000

Explanation of Revenues

This program is funded with one-time-only General Funds

Significant Program Changes

Last Year this program was: