

COUNTY OF MADERA
 BUDGET UNIT DETAIL
 BUDGET FOR THE FISCAL YEAR 2022-23

Department: MICROWAVE RADIO SERVICES
 (11300)
 Function: General
 Activity: Other General
 Fund: Microwave Radio Fund

	<u>ACTUAL</u> <u>2020-21</u>	<u>BOARD</u> <u>APPROVED</u> <u>2021-22</u>	<u>DEPARTMENT</u> <u>REQUEST</u> <u>2022-23</u>	<u>CAO</u> <u>RECOMMENDED</u> <u>2022-23</u>
BEGINNING FUND BALANCE	569,568	0	0	0
<u>ESTIMATED REVENUES:</u>				
640101 Interest on Cash	2,184	5,000	5,000	5,000
662742 Microwave Radio Service Charges	518,374	518,375	500,000	500,000
<u>TOTAL ESTIMATED REVENUES</u>	<u>520,558</u>	<u>523,375</u>	<u>505,000</u>	<u>505,000</u>
<u>EXPENDITURES:</u>				
OPERATING EXPENSES				
720800 Maintenance - Equipment	16,357	127,863	132,727	132,727
721200 Misc Expense - Sales Tax	0	3,618	3,618	3,618
721400 Professional Specialized	35,031	2,000	0	0
721700 Rents & Leases - Building/Land	222,936	0	0	0
721909 Misc Expense - Property Tax	0	2,105	2,105	2,105
730302 Retire Capital Lease (Equipment)	40,979	43,860	43,860	43,860
730330 Rents & Leases - Principal	0	235,919	247,571	247,571
730502 Interest Capital Leases	2,881	0	0	0
731400 Interfund Expenses	20,000	20,000	20,000	20,000
<u>TOTAL OPERATING EXPENSES</u>	<u>338,185</u>	<u>435,365</u>	<u>449,881</u>	<u>449,881</u>
<u>TOTAL EXPENDITURES</u>	<u>338,185</u>	<u>435,365</u>	<u>449,881</u>	<u>449,881</u>
Income Over / (Under) Expenses	<u>182,373</u>	<u>88,010</u>	<u>55,119</u>	<u>55,119</u>
Carryover Restricted for Capital Replacement	182,373	88,010	55,119	55,119

MICROWAVE RADIO SERVICES

COMMENTS

In early Fiscal Year 2009-10, the County assumed full responsibility for operating and maintaining the Microwave Radio System. Approximately \$1 Million in new microwave radio equipment was acquired through a lease/purchase program and installed on existing tower locations that are leased from private owners. In Fiscal Year 2018-19, a Microwave Network Transformation project was completed. Madera County has contracted with Fresno County to maintain the radio system equipment as Fresno County owns and operates a large Microwave Radio System that utilizes some of the towers and equipment in Madera County. Madera County's Information Technology Department provides management of this function and budget.

The microwave Land Mobile Radio System (LMRS) service is used by several County Departments as a primary method of mobile communications throughout the County. The Departments currently using hand-held and/or vehicle-mounted radios include Sheriff, Fire, Probation, Corrections, Roads, and Animal Services. In addition, the microwave Multi-protocol Label Switching (MPLS) system is being leveraged to provide network data services to the County facilities in Chowchilla and Oakhurst.

Fiscal Year 2022-23

In Fiscal Year 2022-23 the County will continue to support and maintain the Microwave Radio System using both departmental resources and the Fresno County maintenance contract. Preliminary planning and scoping for the Fiscal Year 2023-2024 upgrade to replace the end-of-life equipment.

Fiscal Year 2023-24

The next capital equipment replacement is scheduled for Fiscal Year 2023-24. This is for equipment that was not included in the Microwave Network Transformation Project in order to maximize the assets usable lifespan. In Fiscal Year 2023-24 this equipment, specifically the packet radios, antennas, feedhorns, transmission lines and associated equipment and services at the various sites will require replacing. Estimated cost of replacement based on budgetary quotes is \$620,369.23 and will be funded through the Carryover Restricted for Capital Replacement.

NOTE: This is not a General Fund Budget.

ESTIMATED REVENUES

640101 **Interest on Cash** (\$5,000) is recommended unchanged based on projected returns on the cash balance of the Microwave Radio Fund.

MICROWAVE RADIO SERVICES

ESTIMATED REVENUES (continued)

662742 **Microwave Radio Service Charges** (\$500,000) is recommended decreased \$18,375. This income will be used to pay for the actual cost of operating, maintaining the microwave radio system, and the Carryover Restricted for Capital Replacement to fund the capital equipment replacement scheduled for Fiscal Year 2023-24.

OPERATING EXPENSES

720800 **Maintenance - Equipment** (\$132,727) is recommended increased \$4,864 for contracted maintenance services from Fresno County and maintenance agreements on equipment.

\$ 80,000	Fresno County- Support Contract
\$ 22,638	Contract # MCC No.10974-C-2017 Microwave Transformation
\$ 2,737	Contract # MCC No. 11130-18 Government Center connection to MPLS Network
\$ 9,238	Contract # MCC No. 11544-19 Maintenance Agreement 9500 MPR/TSM 8000
\$ 10,398	Contract # MCC No. 11222-18 - Microwave Switches
\$ 4,816	Prepaid Alcatel/Lucent Maintenance Agreement
\$300	FCC License
\$2,600	Crown Castle

721200 **Miscellaneous Expenses – Sales Tax** (\$3,618) is recommended unchanged to pay for sales tax associated with the capital lease.

\$ 2,831	Lease Capital Equipment - Microwave Transformation Project - MCC No. 10974-C-2017
\$ 787	Lease Capital Equipment - Switches - MCC No. - 11222-18

721400 **Professional & Specialized** (\$0) is recommended decreased \$2,000.

721909 **Miscellaneous Expenses – Property Tax** (\$2,105) is recommended unchanged to pay for property tax associated with the capital lease.

\$ 2,105	Property Taxes - Capital Lease
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MICROWAVE RADIO SERVICES

OPERATING EXPENSES (continued)

730302 **Retire Capital Lease** (\$43,860) is recommended unchanged for the annual principal and interest payment for the new microwave radio equipment that is being acquired through a five-year lease/purchase agreement.

\$ 34,320 Lease Capital Equipment - Microwave Transformation Project - MCC No. 10974-C-2017

\$ 9,540 Lease Capital Equipment- Switches – MCC No. 11222-18

730330 **Rents & Leases - Principal** (\$247,571) is recommended increased \$11,652 and includes the costs for leasing existing tower space from private landowners.

\$ 2,880 Mobile Communication, Inc. – Mt Buillon

\$ 244,691 Masetti/Crown Castle/ City of Madera

731400 **Interfund Expenses** (\$20,000) is recommended unchanged to appropriately assign labor expended from the Office of Information Technology to coordinate all microwave activities and upgrades.

Carryover Restricted for Capital Replacement of \$55,119 is recommended decreased \$32,891 to be funded through unexpended/reserve funds from Fiscal Year 2022-23 and will be used toward equipment replacement in Fiscal Year 2023-24.