

COUNTY OF MADERA
 BUDGET UNIT DETAIL
 BUDGET FOR THE FISCAL YEAR 2021-22

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

	<u>ACTUAL</u> <u>2019-20</u>	<u>BOARD</u> <u>APPROVED</u> <u>2020-21</u>	<u>DEPARTMENT</u> <u>REQUEST</u> <u>2021-22</u>	<u>CAO</u> <u>RECOMMENDED</u> <u>2021-22</u>
BEGINNING FUND BALANCE	443,593	0	0	0
<u>ESTIMATED REVENUES:</u>				
640101 Interest on Cash	7,869	5,000	5,000	5,000
662742 Microwave Radio Service Charges	563,113	518,375	518,375	518,375
<u>TOTAL ESTIMATED REVENUES</u>	<u>570,982</u>	<u>523,375</u>	<u>523,375</u>	<u>523,375</u>
<u>EXPENDITURES:</u>				
OPERATING EXPENSES				
720800 Maintenance - Equipment	91,170	129,827	127,863	127,863
721200 Misc Expense - Sales Tax	0	3,618	3,618	3,618
721400 Professional Specialized	12,699	2,300	2,000	2,000
721700 Rents & Leases - Building/Land	177,929	224,822	0	0
721909 Misc Expense - Property Tax	0	2,105	2,105	2,105
730302 Retire Capital Lease (Equipment)	43,132	43,860	43,860	43,860
730330 Rents & Leases - Principal	0	0	235,919	235,919
740300 Fixed Assets	105,077	0	0	0
731400 Interfund Expenses	15,000	20,000	20,000	20,000
<u>TOTAL OPERATING EXPENSES</u>	<u>445,007</u>	<u>426,533</u>	<u>435,365</u>	<u>435,365</u>
<u>TOTAL EXPENDITURES</u>	<u>445,007</u>	<u>426,533</u>	<u>435,365</u>	<u>435,365</u>
Income Over / (Under) Expenses	<u>125,975</u>	<u>96,842</u>	<u>88,010</u>	<u>88,010</u>
Carryover Restricted for Capital Replacement	125,975	96,842	88,010	88,010

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. Madera County has contracted with Fresno County to maintain the radio system equipment since 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 communities of Chowchilla and Oakhurst (extended to Bass Lake using conventional telco circuits).

In Fiscal Year 2017-18, a Microwave Network Transformation Project was started, and the project was completed in FY 2018-19.

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. Come 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.

662742 **Microwave Radio Service Charges** (\$518,374) is recommended unchanged. 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.

MICROWAVE RADIO SERVICES

OPERATING EXPENSES

- 720800** **Maintenance - Equipment** (\$127,863) is recommended decreased \$1,964 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
 \$7,274 Contract # MCC No. 11544-19 Maintenance Agreement 9500 MPR/TSM 8000
 \$10,398 Contract # MCC No. 11222-18 - Microwave Switches
 \$4,816 Contract # MCC No. 1501863-MDR 8000 TS Gold/HS MDR 8000 STD Repair 45 Days
- 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** (\$2,000) is recommended unchanged to pay for consultant services and the FCC License.
- \$1,700** Infotech
 \$300 FCC License
- 721700** **Rents & Leases - Building/Land** (\$0) is not recommended.
- 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

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** (\$235,919) is recommended and includes the costs for leasing existing tower space from private landowners.

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

\$233,039 Massetti/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 **\$88,010** is recommended to be funded through unexpended/reserve funds from Fiscal Year 2020-21 and will be used toward equipment replacement in Fiscal Year 2023-24.