

COUNTY OF MADERA
 BUDGET UNIT DETAIL
 BUDGET FOR THE FISCAL YEAR 2023-24

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

	<u>ACTUAL</u> <u>2021-22</u>	<u>BOARD</u> <u>APPROVED</u> <u>2022-23</u>	<u>DEPARTMENT</u> <u>REQUEST</u> <u>2023-24</u>	<u>CAO</u> <u>RECOMMENDED</u> <u>2023-24</u>
BEGINNING FUND BALANCE	0	0	0	0
<u>ESTIMATED REVENUES:</u>				
640101 Interest on Cash	2,698	5,000	5,000	5,000
662742 Microwave Radio Service Charges	520,374	500,000	500,000	500,000
<u>TOTAL ESTIMATED REVENUES</u>	<u>523,072</u>	<u>505,000</u>	<u>505,000</u>	<u>505,000</u>
<u>EXPENDITURES:</u>				
OPERATING EXPENSES				
720800 Maintenance - Equipment	30,871	132,727	139,982	139,982
721200 Misc Expense - Sales Tax	0	3,618	0	0
721400 Professional Specialized	11,149	0	0	0
721909 Misc Expense - Property Tax	0	2,105	0	0
730302 Retire Capital Lease (Equipment)	0	43,860	43,860	43,860
730330 Rents & Leases - Principal	285,625	247,571	259,806	259,806
730502 Interest Capital Leases	391	0	0	0
740300 Fixed Assets	0	0	708,202	708,202
731400 Interfund Expenses	20,000	20,000	20,000	20,000
<u>TOTAL OPERATING EXPENSES</u>	<u>348,036</u>	<u>449,881</u>	<u>1,171,850</u>	<u>1,171,850</u>
<u>TOTAL EXPENDITURES</u>	<u>348,036</u>	<u>449,881</u>	<u>1,171,850</u>	<u>1,171,850</u>
Income Over / (Under) Expenses	<u>175,035</u>	<u>55,119</u>	<u>(666,850)</u>	<u>(666,850)</u>
Carryover Restricted for Capital Replacement	175,035	55,119	0	0

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 2023-24

The next capital equipment replacement is scheduled for Fiscal Year 2023-24. The replacement is for end-of-life equipment, not included in the Microwave Network Transformation Project. To maximize the assets usable lifespan, the packet radios, antennas, feedhorns, transmission lines and associated equipment and services at the various sites will require replacing. Estimated cost of replacement and five-year Warranty/Maintenance is \$744,443 and will be funded through the Carryover Restricted for Capital Replacement.

As of June 30, 2022, the Cash Balance of Fund 0113, Microwave Radio Service was \$734,090. Of the Fund 0113 Cash Balance in Fund, \$666,172 is Carryover Restricted for Capital Replacement. The remaining funds necessary to complete the capital equipment replacement will be accumulated in Fiscal Year 2022-2023.

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 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.

OPERATING EXPENSES

720800 **Maintenance - Equipment** (\$139,982) is recommended increased \$7,255 for contracted maintenance services from Fresno County and maintenance agreements on equipment.

\$ 80,000	Fresno County- Support Contract
\$ 21,895	Contract # MCC No.10974-C-2017 Microwave Transformation Maintenance Agreement (Prepaid)
\$ 2,737	Contract # MCC No. 11130-18 Government Center connection to MPLS Network Maintenance Agreement (Prepaid)
\$ 9,238	Contract # MCC No. 11544-19 Maintenance Agreement 9500 MPR/TSM 8000 (Prepaid)
\$10,398	Contract # MCC No. 11222-18 - Microwave Switches Maintenance Agreement (Prepaid)
\$4,816	Alcatel/Lucent Maintenance Agreement (Prepaid)
\$1,050	Federal Communications Commission (FCC) License
\$2,600	Crown Castle
\$7,248	Microwave Equipment Replacement Maintenance Agreement

721200 **Miscellaneous Expenses – Sales Tax** (0) is recommended decreased \$3,618.

721400 **Professional & Specialized** (\$0) is recommended unchanged.

721909 **Miscellaneous Expenses – Property Tax** (\$0) is recommended decreased \$2,105.

730302 **Retire Capital Lease** (\$43,860) is recommended unchanged for the annual principal and interest payment for 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

MICROWAVE RADIO SERVICES

OPERATING EXPENSES (continued)

730330 **Rents & Leases - Principal** (\$259,806) is recommended increased \$12,235 and includes the costs for leasing existing tower space from private landowners.

\$ 2,880 Mobile Communication, Inc. – Mt Buillon
\$ 256,926 Massetti/Crown Castle/ City of Madera

740300 **Fixed Assets** (\$708,202) is recommended increased \$708,202 to fund the Microwave Equipment Replacement Project

\$ 708,202 Microwave Equipment Replacement Project – Nokia

The replacement is for end-of-life Microwave equipment, not included in the Microwave Network Transformation Project. To maximize the assets usable lifespan, the packet radios, antennas, feedhorns, transmission lines and associated equipment and services at the various sites will require replacing.

Asset Tag Number: 30619
Age: 8 Years (Purchased 6/30/2015)

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 \$0 is recommended decreased \$55,119. Due to the Microwave Equipment Replacement scheduled for Fiscal Year 2023-2024, there are no expected unexpended/reserve funds this Fiscal Year.