

COUNTY OF MADERA
 BUDGET UNIT DETAIL
 BUDGET FOR THE FISCAL YEAR 2019-20

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

	<u>ACTUAL</u> <u>2017-18</u>	<u>BOARD</u> <u>APPROVED</u> <u>2018-19</u>	<u>DEPARTMENT</u> <u>REQUEST</u> <u>2019-20</u>	<u>CAO</u> <u>RECOMMENDED</u> <u>2019-20</u>
BEGINNING FUND BALANCE	314,122			
<u>ESTIMATED REVENUES:</u>				
640101 Interest on Cash	6,437	2,745	2,745	2,745
662742 Microwave Radio Service Charges	640,550	613,185	563,113	563,113
Contingencies from Reserves		141,100		
<u>TOTAL ESTIMATED REVENUES</u>	<u>646,987</u>	<u>757,030</u>	<u>565,858</u>	<u>565,858</u>
<u>EXPENDITURES:</u>				
OPERATING EXPENSES				
720800 Maintenance - Equipment	54,208	119,685	128,458	128,458
721200 Misc Expense - Sales Tax	16,827	18,116	6,287	6,287
721314 Comp Eqpt < FA Limit	74,632	0	0	0
721400 Professional Specialized	22,629	2,000	2,000	2,000
721700 Rents & Leases - Building/Land	188,292	213,616	224,822	224,822
721909 Misc Expense - Property Tax	0	2,105	2,105	2,105
730302 Retire Capital Lease (Equipment)	210,660	381,508	79,441	79,441
731400 Interfund Expenses	0	20,000	20,000	20,000
<u>TOTAL OPERATING EXPENSES</u>	<u>567,249</u>	<u>757,030</u>	<u>463,113</u>	<u>463,113</u>
<u>TOTAL EXPENDITURES</u>	<u>567,249</u>	<u>757,030</u>	<u>463,113</u>	<u>463,113</u>
Income Over / (Under) Expenses	<u>79,739</u>	<u>0</u>	<u>102,745</u>	<u>102,745</u>
Carryover Restricted for Capital Replacement		40,636	102,745	102,745

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 Fiscal Year 2018-19.

NOTE: This is not a General Fund Budget.

ESTIMATED REVENUES

640101 **Interest on Cash** (\$2,745) is recommended based on projected returns on the cash balance of the Microwave Radio Fund.

662742 **Microwave Radio Service Charges** (\$563,113) is recommended decreased \$50,072. This income will be used to pay for the actual cost of operating and maintaining the microwave radio system.

OPERATING EXPENSES

720800 **Maintenance - Equipment** (\$128,458) is recommended increased \$8,773 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

\$1,417 Contract # MCC No. 11130-18 Government Center connection to MPLS Network

MICROWAVE RADIO SERVICES

OPERATING EXPENSES (continued)

720800 Maintenance – Equipment (continued)

\$4,594 Contract # MCC No. 11175-18 - Maintenance Agreement 9500 MPR/TSM 8000

\$4,594 Renewal January 2020 - Maintenance Agreement 9500 MPR/TSM 8000

\$10,399 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 (\$6,287) is recommended decreased \$11,829 to pay for sales tax associated with the capital lease.

\$5,605 Lease Capital Equipment - Microwave Transformation Project - MCC No. 10974-C-2017

\$682 Lease Capital Equipment - Switches - MCC No. - 11222-18

721400 Professional & Specialized (\$2,000) is recommended unchanged to pay for vendor support and for consultant services.

\$2,000 Infotech

721700 Rents & Leases - Building/Land (\$224,822) is recommended increased \$11,206 and includes the costs for leasing existing tower space from private land owners. Per the original Lease Agreement, there is an annual increase in the cost of the lease and adding additional equipment has also required more space to be leased.

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

\$221,942 Massetti/Crown Castle/City of Madera

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

730302 Retire Capital Lease (\$79,441) is recommended decreased \$302,067 for the annual principal and interest payment for the new microwave radio equipment that is being acquired through a five-year lease/purchase agreement. In FY 18-19, the final lease payment on the original microwave radio equipment was made and, therefore, this line item has been reduced considerably.

MICROWAVE RADIO SERVICES

OPERATING EXPENSES (continued)

730302 Retire Capital Lease (continued)

\$70,067 Lease Capital Equipment - Microwave Transformation Project - MCC No. 10974-C-2017

\$9,374 Lease Capital Equipment - Switches – MCC No. 11222-18

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 \$102,745 is recommended to be funded through unexpended/reserve funds from Fiscal Year 2019-20 and will be used to replace equipment when required.