

**DEPARTMENT OF WATER RESOURCES**

DIVISION OF FLOOD MANAGEMENT  
P.O. BOX 219000  
SACRAMENTO, CA 95821-9000



March 27, 2018

Ms. Leslie Gallagher  
Executive Officer  
Central Valley Flood Protection Board  
3310 El Camino Avenue, Suite 170  
Sacramento, California 95821

Dear Ms. Gallagher:

Pursuant to Section 12878 of the California Water Code, attached for approval by the Central Valley Flood Protection Board (CVFPB) is the proposed Fiscal Year 2018/2019 budget for operations and maintenance in each of the 10 State-operated maintenance areas. Budgeted and actual or projected costs for the two preceding years are included for comparison.

The Department of Water Resources' Governmental Accounting Office will advise the various County Assessor's offices of the necessary assessments to support the approved budgets considering present balances, estimated receipts, and expenditures for the remainder of the fiscal year. Assessments will take into account all receipts and expenditures in previous years.

Further discussion and explanation of individual circumstances associated with each maintenance area will occur at the April 27, 2018 CVFPB meeting. The public hearing has been advertised as required by the California Water Code.

If you have any questions regarding the budget, you may contact Mark List of my staff at (916) 574-0319, or me at (916) 574-0384.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael Sabbaghian".

Michael Sabbaghian, Chief  
Flood Maintenance Office  
Division of Flood Management

Attachments

cc: Ron Ingle, Chief  
Governmental Billing Section  
Division of Fiscal Services

## EXPLANATION OF PROPOSED MAINTENANCE AREA BUDGETS FISCAL YEAR 2018/19

The proposed Maintenance Area (MA) budget for fiscal year (FY) 2018/19 is \$3,344,197. Although some costs increased slightly, the combined MA budget for FY 2018/19 is \$1,000 less than the previously approved budget of \$3,345,197. This budget decrease accounts for some cost savings, specifically in projected levee patrolling costs in MA-4. The budget includes increased environmental and engineering, and equipment repairs/replacement costs. The Encroachment Removal job category for all Maintenance Areas is expected to be sufficient to cover anticipated costs for currently projected work, and the proposed budgets in this category reflect project improvements conducted by others, including encroachment removal in specific Maintenance Areas.

Combined FY 2017/18 expenses for all MAs are projected to be less than the \$3,345,197 budget approved by the Central Valley Flood Protection Board (CVFPB) in April 2017. Compared with the previous very wet year, certain work was not required during FY 2017/18. Significantly less than budgeted levee patrolling costs account for the bulk of the savings, with additional savings realized in the approved restoration/repair budgets, where state-led storm damage repairs and USACE PL 84-99 repairs addressed the more significant flood damage from the January-February 2017 storms.

Specific information for the proposed FY 2018/19 budgets is contained in the following pages. In the attachment, *Individual Maintenance Area Summaries*, the approved budget for the last two years and the proposed budget for next year is provided. Included in the approved and proposed budget amounts is a column entitled "Change from Previous Year" which summarizes the annual percent change relative to the previous year's approved budget. Projected costs for FY 2018/19 are presented for each MA in the *Proposed Distribution of Work in State Maintenance Areas* attachment.

## INDIVIDUAL MAINTENANCE AREA SUMMARIES

### **MA 1 - West Levee Sacramento River near Colusa**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$307,500	0%
Approved Budget 2017-18	\$317,000	3%
Proposed Budget 2018-19	\$317,000	0%

### **MA 3 - West Feather River near Sutter Bypass**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$ 73,500	0%
Approved Budget 2017-18	\$ 84,000	+14.3%
Proposed Budget 2018-19	\$ 84,000	0%

### **MA 4 - Sacramento River Levee in West Sacramento**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$137,240	+5.9%
Approved Budget 2017-18	\$137,240	0%
Proposed Budget 2018-19	\$132,240	- 3.6%

### **MA 5 - Butte Creek Levees and Little Chico Creek Channel**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$447,357	+7%
Approved Budget 2017-18	\$447,357	0%
Proposed Budget 2018-19	\$447,357	0%

### **MA 7 - West Levee Feather River below Oroville**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$128,000	0%
Approved Budget 2017-18	\$128,000	0%
Proposed Budget 2018-19	\$128,000	0%

### **MA 9 - East Levee Sacramento River in Sacramento**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$1,650,600	2.4%
Approved Budget 2017-18	\$1,650,600	0%
Proposed Budget 2018-19	\$1,650,600	0%

**MA 12 - Colusa Drain Levee**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$103,000	0%
Approved Budget 2017-18	\$123,000	+19.4%
Proposed Budget 2018-19	\$125,000	+1.6%

**MA 13 - Cherokee Canal Levees**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$261,500	0%
Approved Budget 2017-18	\$261,500	0%
Proposed Budget 2018-19	\$261,500	0%

**MA 16 - West Levee Feather River near Live Oak**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$ 74,000	0%
Approved Budget 2017-18	\$ 74,000	0%
Proposed Budget 2018-19	\$ 76,000	+2.7%

**MA 17 - Middle Creek at Clear Lake**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$104,500	0%
Approved Budget 2017-18	\$122,500	+17.2%
Proposed Budget 2018-19	\$122,500	0%

**All Maintenance Areas**

	<u>Budget</u>	<u>Change from Previous Year</u>
Approved Budget 2016-17	\$3,287,197	+2.4%
Approved Budget 2017-18	\$3,345,197	+1.8%
Proposed Budget 2018-19	\$3,344,197	- 0.03%

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 1  
WEST LEVEE SACRAMENTO RIVER NEAR COLUSA**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 50,000	\$ 52,817	\$ 60,000	\$ 60,000	\$ 60,000
Burning	\$ 31,000	\$ 34,492	\$ 30,000	\$ 26,757	\$ 30,000
Rodent Control	\$ 35,000	\$ 35,989	\$ 30,000	\$ 30,000	\$ 30,000
Patrolling	\$ 30,000	\$ 72,358	\$ 30,000	\$ -	\$ 28,000
Mowing	\$ 10,000	\$ 11,777	\$ 10,000	\$ 20,540	\$ 11,000
Inspection	\$ 8,000	\$ 7,447	\$ 8,000	\$ 8,000	\$ 8,000
Encroachment Removal	\$ 25,500	\$ 29,607	\$ 20,000	\$ 20,000	\$ 20,000
Restoration/Repair	\$ 20,000	\$ 30,617	\$ 31,000	\$ 31,000	\$ 31,000
Crown Roadways	\$ 20,000	\$ 24,325	\$ 20,000	\$ 17,135	\$ 20,000
Minor Structures	\$ 9,000	\$ 10,593	\$ 9,000	\$ 9,000	\$ 9,000
Dragging	\$ 15,000	\$ 3,920	\$ 15,000	\$ 17,120	\$ 15,000
MEO Equipment Costs	\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,000
Maintenance Yard Overhead	\$ 17,000	\$ 9,554	\$ 17,000	\$ 10,000	\$ 15,000
Telemetry Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Support	\$ 10,000	\$ -	\$ 10,000	\$ 5,000	\$ 10,000
Environmental Support	\$ 10,000	\$ -	\$ 10,000	\$ 5,000	\$ 13,000
<b>TOTAL BUDGET</b>	<b>\$ 307,500</b>	<b>\$ 340,496</b>	<b>\$ 317,000</b>	<b>\$ 276,552</b>	<b>\$ 317,000</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, and environmental costs.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 3  
WEST LEVEE FEATHER RIVER NEAR SUTTER BYPASS**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 10,000	\$ 8,843	\$ 12,000	\$ 10,000	\$ 12,000
Burning	\$ 9,000	\$ 8,708	\$ 10,000	\$ 10,000	\$ 10,000
Rodent Control	\$ 7,500	\$ 3,974	\$ 6,500	\$ 8,502	\$ 7,000
Patrolling	\$ 1,500	\$ 63,800	\$ 1,500	\$ -	\$ 1,500
Mowing	\$ 12,000	\$ 10,523	\$ 10,000	\$ 15,517	\$ 12,000
Inspection	\$ 3,000	\$ -	\$ 1,000	\$ 2,000	\$ 1,500
Encroachment Removal	\$ 1,500	\$ -	\$ 1,000	\$ -	\$ 1,000
Restoration/Repair	\$ 4,000	\$ -	\$ 20,000	\$ 12,000	\$ 18,000
Crown Roadways	\$ 3,500	\$ -	\$ 3,000	\$ -	\$ 3,000
Minor Structures	\$ 2,500	\$ 1,298	\$ 1,000	\$ 1,000	\$ 1,000
Dragging	\$ 5,000	\$ 8,954	\$ 5,000	\$ 5,903	\$ 5,000
MEO Equipment Costs	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Maintenance Yard Overhead	\$ 4,000	\$ -	\$ 4,000	\$ 4,000	\$ 3,000
Telemetry Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Support	\$ 3,500	\$ 4,067	\$ 3,000	\$ 1,000	\$ 3,000
Environmental Support	\$ 3,500	\$ -	\$ 3,000	\$ 1,000	\$ 3,000
<b>TOTAL BUDGET</b>	<b>\$ 73,500</b>	<b>\$ 113,167</b>	<b>\$ 84,000</b>	<b>\$ 73,922</b>	<b>\$ 84,000</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, and environmental costs. Projected vegetation control cost is higher due to herbicide applications from vegetation regrowth.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 4  
SACRAMENTO RIVER LEVEE IN WEST SACRAMENTO**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 38,000	\$ 22,090	\$ 38,000	\$ 49,600	\$ 38,000
Burning	\$ -	\$ -	\$ -	\$ -	\$ -
Rodent Control	\$ 3,500	\$ 8,027	\$ 3,500	\$ 2,100	\$ 3,500
Patrolling	\$ -	\$ -	\$ 5,000	\$ -	\$ -
Mowing	\$ 13,500	\$ 8,948	\$ 13,500	\$ 10,500	\$ 13,500
Inspection	\$ 3,200	\$ 4,568	\$ 4,000	\$ 3,400	\$ 4,000
Encroachment Removal	\$ 10,000	\$ 5,220	\$ 10,000	\$ 6,000	\$ 10,000
Restoration/Repair	\$ 25,000	\$ 19,447	\$ 20,000	\$ 18,000	\$ 20,000
Crown Roadways	\$ 4,000	\$ 11,502	\$ 3,000	\$ 1,500	\$ 3,000
Minor Structures	\$ 5,800	\$ 418	\$ 5,800	\$ 5,000	\$ 5,800
Dragging	\$ -	\$ -	\$ -	\$ -	\$ -
MEO Equipment Costs	\$ 17,000	\$ 5,943	\$ 17,000	\$ 14,000	\$ 17,000
Yard Overhead & Materials	\$ 8,000	\$ 3,974	\$ 8,000	\$ 7,500	\$ 8,000
Telemetry Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Support	\$ 1,740	\$ -	\$ 1,940	\$ -	\$ 1,940
Environmental Support	\$ 7,500	\$ -	\$ 7,500	\$ 4,000	\$ 7,500
<b>TOTAL BUDGET</b>	<b>\$ 137,240</b>	<b>\$ 90,137</b>	<b>\$ 137,240</b>	<b>\$ 121,600</b>	<b>\$ 132,240</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures for vegetation was over expended due to excessive growth due to last season's rains.

The proposed budget for FY 2018/19 is due to no unforeseen additional work or expenses, and a decrease in projected patrolling costs.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 5  
BUTTE CREEK LEVEES and LITTLE CHICO CREEK CHANNEL**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 59,500	\$ 60,100	\$ 59,500	\$ 59,500	\$ 59,500
Burning	\$ 30,000	\$ 32,481	\$ 30,000	\$ 25,000	\$ 30,000
Rodent Control	\$ 30,000	\$ 33,057	\$ 30,000	\$ 30,000	\$ 30,000
Patrolling	\$ 4,000	\$ 2,585	\$ 4,000	\$ -	\$ 4,000
Mowing	\$ 15,000	\$ 15,787	\$ 15,000	\$ 15,000	\$ 15,000
Inspection	\$ 15,000	\$ 16,114	\$ 15,000	\$ 15,000	\$ 15,000
Encroachment Removal	\$ 80,000	\$ 38,222	\$ 80,000	\$ 42,000	\$ 80,000
Restoration/Repair	\$ 30,000	\$ 30,177	\$ 30,000	\$ 25,000	\$ 30,000
Crown Roadways	\$ 30,000	\$ 32,935	\$ 30,000	\$ 30,000	\$ 30,000
Minor Structures	\$ 20,000	\$ 19,952	\$ 20,000	\$ 20,000	\$ 20,000
Dragging	\$ 14,000	\$ 14,574	\$ 14,000	\$ 13,238	\$ 14,000
Little Chico Diversion Struct.	\$ 20,000	\$ 20,078	\$ 20,000	\$ 20,000	\$ 20,000
Sediment Removal	\$ -	\$ -	\$ -	\$ -	\$ -
Vegetation Control Channel	\$ 20,000	\$ 20,143	\$ 20,000	\$ 20,000	\$ 20,000
MEO Equipment Costs	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000
Maintenance Yard Overhead	\$ 17,000	\$ -	\$ 17,000	\$ 10,000	\$ 17,000
Telemetry Maintenance	\$ 7,857	\$ 3,492	\$ 7,857	\$ 5,000	\$ 7,857
Engineering Support	\$ 10,000	\$ -	\$ 10,000	\$ 10,000	\$ 10,000
Environmental Support	\$ 10,000	\$ -	\$ 10,000	\$ 10,000	\$ 10,000
<b>TOTAL BUDGET</b>	<b>\$ 447,357</b>	<b>\$ 374,697</b>	<b>\$ 447,357</b>	<b>\$ 384,738</b>	<b>\$ 447,357</b>

**Reasons for Budget Changes:**

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, environmental, and rodent control costs.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.



**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 7  
WEST LEVEE FEATHER RIVER BELOW OROVILLE**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 17,000	\$ 2,986	\$ 22,000	\$ 22,000	\$ 23,000
Burning	\$ 1,000	\$ -	\$ 1,000	\$ 779	\$ 1,000
Rodent Control	\$ 25,000	\$ 2,380	\$ 25,000	\$ 25,000	\$ 23,000
Patrolling	\$ 2,000	\$ 8,819	\$ 2,000	\$ -	\$ 2,000
Mowing	\$ 20,000	\$ 19,081	\$ 20,000	\$ 20,089	\$ 23,000
Inspection	\$ 8,000	\$ 5,114	\$ 6,000	\$ 6,000	\$ 5,000
Encroachment Removal	\$ 15,000	\$ 2,591	\$ 12,000	\$ 12,000	\$ 11,000
Restoration/Repair	\$ 5,000	\$ 5,134	\$ 5,000	\$ 4,524	\$ 5,000
Crown Roadways	\$ 7,000	\$ 7,750	\$ 7,000	\$ 7,000	\$ 7,000
Minor Structures	\$ 7,000	\$ -	\$ 7,000	\$ 5,971	\$ 5,000
Dragging	\$ 2,500	\$ -	\$ 2,500	\$ 2,302	\$ 2,500
MEO Equipment Costs	\$ 8,500	\$ 8,500	\$ 8,500	\$ 8,500	\$ 8,500
Maintenance Yard Overhead	\$ 4,000	\$ -	\$ 4,000	\$ 4,000	\$ 3,000
Engineering Support	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 3,000
Environmental Support	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 6,000
<b>TOTAL BUDGET</b>	<b>\$ 128,000</b>	<b>\$ 62,355</b>	<b>\$ 128,000</b>	<b>\$ 124,165</b>	<b>\$ 128,000</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, environmental, and rodent control costs.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 9  
EAST LEVEE OF SACRAMENTO RIVER IN SACRAMENTO**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 250,000	\$ 205,557	\$ 250,000	\$ 222,000	\$ 250,000
Burning	\$ -	\$ -	\$ -	\$ -	\$ -
Rodent Control	\$ 85,000	\$ 12,775	\$ 85,000	\$ 142,000	\$ 85,000
Patrolling	\$ 45,000	\$ 175,946	\$ 45,000	\$ -	\$ 45,000
Mowing	\$ 120,000	\$ 140,200	\$ 120,000	\$ 120,000	\$ 120,000
Inspection	\$ 10,000	\$ 9,744	\$ 10,000	\$ 9,500	\$ 10,000
Encroachment Removal	\$ 240,000	\$ 75,611	\$ 240,000	\$ 190,000	\$ 240,000
Restoration/Repair	\$ 540,000	\$ 373,054	\$ 540,000	\$ 300,000	\$ 540,000
Crown Roadways	\$ 40,000	\$ 19,693	\$ 40,000	\$ 13,000	\$ 40,000
Minor Structures	\$ 40,000	\$ 1,567	\$ 40,000	\$ 18,000	\$ 40,000
Dragging	\$ -	\$ -	\$ -	\$ -	\$ -
MEO Equipment Costs	\$ 135,000	\$ 78,963	\$ 135,000	\$ 85,000	\$ 135,000
Yard Overhead & Materials	\$ 75,000	\$ 75,808	\$ 75,000	\$ 70,000	\$ 75,000
Telemetry Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Support	\$ 60,000	\$ 10,107	\$ 60,000	\$ 15,000	\$ 60,000
Environmental Support	\$ 10,600	\$ -	\$ 10,600	\$ 5,000	\$ 10,600
<b>TOTAL BUDGET</b>	<b>\$ 1,650,600</b>	<b>\$ 1,179,025</b>	<b>\$ 1,650,600</b>	<b>\$ 1,189,500</b>	<b>\$ 1,650,600</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures for rodent control were over expended due to the increased population this year and the grouting to fill the holes. Mowing was slightly over spent due to the regrowth of grasses due to last year's rain. \$250K, in the Restoration, is held to purchase rip-rap if needed, which will not used this year.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 12  
COLUSA DRAIN LEVEE**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 18,000	\$ 21,587	\$ 20,000	\$ 20,000	\$ 20,000
Burning	\$ 12,000	\$ 14,842	\$ 13,000	\$ 10,715	\$ 13,000
Rodent Control	\$ 5,000	\$ 5,314	\$ 5,000	\$ 5,000	\$ 5,000
Patrolling	\$ 3,000	\$ 11,338	\$ 3,000	\$ -	\$ 3,000
Mowing	\$ 5,000	\$ 5,101	\$ 5,000	\$ 5,000	\$ 5,000
Inspection	\$ 5,000	\$ 6,476	\$ 5,000	\$ 5,000	\$ 5,000
Encroachment Removal	\$ 5,000	\$ 5,351	\$ 5,000	\$ 3,852	\$ 5,000
Restoration/Repair	\$ 12,000	\$ 12,297	\$ 20,000	\$ 20,000	\$ 20,000
Crown Roadways	\$ 12,000	\$ 15,518	\$ 20,000	\$ 20,000	\$ 20,000
Minor Structures	\$ 2,000	\$ 1,748	\$ 3,000	\$ 2,621	\$ 3,000
Dragging	\$ 8,000	\$ 7,338	\$ 8,000	\$ 9,630	\$ 8,000
MEO Equipment Costs	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000
Maintenance Yard Overhead	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 2,000
Telemetry Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Support	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 3,000
Environmental Support	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 6,000
<b>TOTAL BUDGET</b>	<b>\$ 103,000</b>	<b>\$ 113,910</b>	<b>\$ 123,000</b>	<b>\$ 117,818</b>	<b>\$ 125,000</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, environmental, and rodent control costs.

The proposed budget for FY 2018/19 is higher due to an increase in projected environmental costs.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 13  
CHEROKEE CANAL LEVEES**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 40,000	\$ 42,121	\$ 40,000	\$ 40,000	\$ 40,000
Burning	\$ 23,000	\$ 23,678	\$ 23,000	\$ 22,376	\$ 23,000
Rodent Control	\$ 15,000	\$ 14,536	\$ 15,000	\$ 15,000	\$ 15,000
Patrolling	\$ 8,000	\$ 19,988	\$ 8,000	\$ 2,000	\$ 5,000
Mowing	\$ 20,000	\$ 19,767	\$ 20,000	\$ 20,000	\$ 25,500
Inspection	\$ 8,000	\$ 7,656	\$ 8,000	\$ 8,000	\$ 6,500
Encroachment Removal	\$ 16,000	\$ 15,365	\$ 16,000	\$ 16,000	\$ 15,000
Restoration/Repair	\$ 15,000	\$ 14,936	\$ 15,000	\$ 15,787	\$ 18,000
Crown Roadways	\$ 19,500	\$ 19,033	\$ 19,500	\$ 19,611	\$ 19,500
Minor Structures	\$ 11,000	\$ 10,336	\$ 11,000	\$ 13,362	\$ 12,000
Dragging	\$ 10,000	\$ 9,450	\$ 10,000	\$ 9,341	\$ 10,000
MEO Equipment Costs	\$ 27,000	\$ 27,000	\$ 27,000	\$ 27,000	\$ 27,000
Maintenance Yard Overhead	\$ 17,000	\$ -	\$ 17,000	\$ 12,000	\$ 15,000
Telemetry Maintenance	\$ 22,000	\$ 5,582	\$ 22,000	\$ 6,000	\$ 15,000
Engineering Support	\$ 5,000	\$ -	\$ 5,000	\$ 5,000	\$ 5,000
Environmental Support	\$ 5,000	\$ -	\$ 5,000	\$ 5,000	\$ 10,000
<b>TOTAL BUDGET</b>	<b>\$ 261,500</b>	<b>\$ 229,448</b>	<b>\$ 261,500</b>	<b>\$ 236,477</b>	<b>\$ 261,500</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, environmental, and rodent control costs.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 16  
WEST LEVEE FEATHER RIVER NEAR LIVE OAK**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 10,000	\$ 8,723	\$ 13,000	\$ 14,260	\$ 15,000
Burning	\$ 1,000	\$ -	\$ 1,000	\$ 994	\$ 1,000
Rodent Control	\$ 11,500	\$ 11,815	\$ 11,500	\$ 11,500	\$ 10,000
Patrolling	\$ -	\$ 9,280	\$ -	\$ -	\$ -
Mowing	\$ 16,000	\$ 15,962	\$ 16,000	\$ 16,000	\$ 16,000
Inspection	\$ 1,000	\$ 2,385	\$ 1,000	\$ 1,000	\$ 1,000
Encroachment Removal	\$ 18,000	\$ 12,737	\$ 15,000	\$ 13,000	\$ 10,000
Restoration/Repair	\$ 5,000	\$ 6,122	\$ 5,000	\$ 5,000	\$ 5,000
Crown Roadways	\$ 3,000	\$ 3,266	\$ 3,000	\$ 3,394	\$ 5,000
Minor Structures	\$ 2,500	\$ 4,506	\$ 2,500	\$ 2,315	\$ 2,000
Dragging	\$ 1,000	\$ -	\$ 1,000	\$ 1,212	\$ 2,000
MEO Equipment Costs	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000
Maintenance Yard Overhead	\$ 1,000	\$ -	\$ 1,000	\$ 1,000	\$ 1,000
Telemetry Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Support	\$ -	\$ -	\$ -	\$ -	\$ 1,000
Environmental Support	\$ -	\$ -	\$ -	\$ -	\$ 3,000
<b>TOTAL BUDGET</b>	<b>\$ 74,000</b>	<b>\$ 78,796</b>	<b>\$ 74,000</b>	<b>\$ 73,675</b>	<b>\$ 76,000</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, environmental, and rodent control costs.

The proposed budget for FY 2018/19 is higher due to an increase in projected environmental costs.

**PROPOSED DISTRIBUTION OF WORK IN  
STATE MAINTENANCE AREAS**

**2018-2019 Fiscal Year Budget**

**MAINTENANCE AREA 17  
MIDDLE CREEK at CLEAR LAKE**

<b>JOB CATEGORY</b>	<b>2016-2017 APPROVED BUDGET</b>	<b>2016-2017 ACTUAL COST</b>	<b>2017-2018 APPROVED BUDGET</b>	<b>2017-2018 PROJECTED COST</b>	<b>2018-2019 PROPOSED BUDGET</b>
Vegetation Control	\$ 5,000	\$ 3,324	\$ 5,000	\$ 5,000	\$ 5,000
Burning		\$ -	\$ -	\$ -	\$ -
Rodent Control	\$ 1,000	\$ -	\$ 1,000	\$ -	\$ 1,000
Patrolling	\$ 7,000	\$ 87,020	\$ 5,000	\$ -	\$ 5,000
Mowing	\$ 26,000	\$ 36,115	\$ 25,000	\$ 37,699	\$ 30,000
Inspection	\$ 3,000	\$ 2,221	\$ 3,000	\$ 3,000	\$ 2,000
Encroachment Removal	\$ 5,000	\$ 980	\$ 5,000	\$ 4,500	\$ 3,000
Restoration/Repair	\$ 2,000	\$ 2,501	\$ 25,000	\$ 43,709	\$ 25,000
Crown Roadways	\$ 2,000	\$ -	\$ -	\$ 1,747	\$ 2,000
Minor Structures	\$ 3,500	\$ 2,297	\$ 3,500	\$ -	\$ 3,500
Dragging	\$ -	\$ -	\$ -	\$ -	\$ -
Plant Maintenance & Repairs	\$ 7,000	\$ 3,000	\$ 7,000	\$ 2,000	\$ 3,000
Plant Operations	\$ 10,000	\$ 6,631	\$ 10,000	\$ 7,000	\$ 8,000
MEO Equipment Costs	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Maintenance Yard Overhead	\$ 1,000	\$ -	\$ 1,000	\$ -	\$ 1,000
Telemetry Maintenance	\$ 25,000	\$ 1,515	\$ 25,000	\$ 1,556	\$ 25,000
Engineering Support	\$ 1,000	\$ -	\$ 1,000	\$ -	\$ 1,000
Environmental Support	\$ 1,000	\$ -	\$ 1,000	\$ -	\$ 3,000
<b>TOTAL BUDGET</b>	<b>\$ 104,500</b>	<b>\$ 150,604</b>	<b>\$ 122,500</b>	<b>\$ 111,211</b>	<b>\$ 122,500</b>

Reasons for Budget Changes:

FY 2017/18 projected expenditures reflect lower than budgeted amounts due to mild winter conditions with less than projected high water patrol, engineering, environmental, and rodent control costs. Projected cost for mowing was higher due to vegetation regrowth.

The proposed budget for FY 2018/19 is the same amount as the approved budget for FY 2017/18.

**Proposed FY 18/19 Totals on Maintenance Areas Budget**

Maintenance Area 01		\$ 317,000	
Maintenance Area 03		\$ 84,000	
Maintenance Area 04		\$ 132,240	
Maintenance Area 05		\$ 447,357	
Maintenance Area 07		\$ 128,000	
Maintenance Area 09		\$ 1,650,600	
Maintenance Area 12		\$ 125,000	
Maintenance Area 13		\$ 261,500	
Maintenance Area 16		\$ 76,000	
Maintenance Area 17		\$ 122,500	
	<b>Total</b>	<b>\$ 3,344,197</b>	

**FY 17/18 Totals on Maintenance Areas Budget**

	Projected Expenditures	Approved
Maintenance Area 01	\$ 276,552	\$ 317,000
Maintenance Area 03	\$ 73,922	\$ 84,000
Maintenance Area 04	\$ 121,600	\$ 137,240
Maintenance Area 05	\$ 384,738	\$ 447,357
Maintenance Area 07	\$ 124,165	\$ 128,000
Maintenance Area 09	\$ 1,189,500	\$ 1,650,600
Maintenance Area 12	\$ 117,818	\$ 123,000
Maintenance Area 13	\$ 236,477	\$ 261,500
Maintenance Area 16	\$ 73,675	\$ 74,000
Maintenance Area 17	\$ 111,211	\$ 122,500
	<b>Total</b>	<b>\$ 3,345,197</b>

## Maintenance Category Descriptions

- **Vegetation Control** – Category now includes activities previously tracked in five items. Combined items include: Brush & Weed Control, Brush Cutting, Vegetation Management, Fireguarding, and Tree Management. This category includes labor and material costs associated with: spraying of levee slopes, treatment of crown and roadways with pre-emergence, removing flammable debris and wild growth from structures, mile markers and power poles, spot treatment including hand clearing, brush and vine control, tree trimming, chemical purchases, and acquisition of small portable spray rigs.
- **Burning** – Category includes costs for labor necessary to burn levee slopes, as well as the purchase of propane and drip torches.
- **Rodent Control** – Category includes all material, labor, permit, and license costs associated with eradication of ground squirrels, grouting of squirrel holes, and application of pesticides.
- **Patrolling** – Category includes labor costs for patrolling during high water events.
- **Mowing** – Category includes labor costs for mowing of levee slopes, toe roads and levee shoulders.
- **Inspection** – Category includes labor costs for Supervisors to perform inspections in designated areas.
- **Encroachment Removal** – Clean up is now combined with this category that includes labor for removal of debris on levees and removal of unauthorized structures.
- **Restoration/Repair** – Category includes labor, material, and possible cost-share for repairs of inadequate, damaged, and/or scoured levee slopes.
- **Crown Roadways** – Category includes labor and material for the grading and graveling of levee crowns, as well as maintaining levee ramps and right of way easements including toe roads.
- **Minor Structures** – Category includes labor and material for repair and maintenance of mile markers, levee gates, barricades, flood control gates, culverts, as well as signs.
- **Dragging** – Category includes labor costs for dragging and reshaping of levee slopes. This item also includes costs for repairing and building drags.
- **Sediment Removal** – Category includes labor costs that are specific to sediment removal in Maintenance Area 5, Little Chico Creek Diversion Structure, or other small sediment removal projects.
- **Vegetation Control Channel** – Category includes labor costs that are specific to Vegetation Control of the Little Chico Creek channel in Maintenance Area 5 and vegetation control directly upstream and downstream of the Little Chico Creek Diversion structure.

Note: Most channel vegetation management is performed under State General Fund and Water Code 8361 Authority and is not part of MA responsibilities. MA5 has some different circumstances.

- **MEO Equipment Costs** – MEO Equipment Costs is a prorated percentage of expenses for all operation, maintenance, and repair to equipment assigned to the Maintenance Areas program cost center. Included in this item are labor charges associated with service and repair, fuel and lubricants, parts, and equipment replacement.
- **Maintenance Yard Overhead** – This is a Redistribution Cost that reflects a proportioned cost of such items as maintenance yard overhead staff, general materials and supplies, and minor yard expenses associated with operation and repair. This category reflects costs associated with maintenance yard operation that cannot be allocated directly to specific operation and maintenance activities.
- **Telemetry Maintenance** – Category includes all labor and material costs associated with maintaining telemetry maintenance stations.
- **Engineering Support** – Category includes all labor costs for Engineers to perform duties in designated areas.
- **Environmental Support** – Category includes all labor costs for Environmental Scientists to perform duties in designated areas.