

Appendix F

**PLANNED ANNUAL BUDGETED EXPENDITURES
FOR BEST MANAGEMENT PRACTICES**

Agricultural best management practices are broken down into two categories:

1. Critical Best Management Practices
2. Exemptible Best Management Practices.

The District believes that it is in compliance with all applicable BMP's. This appendix presents expected typical budget expenditures for the implementation of applicable BMP's. A single average hourly rate of \$30 per hour is utilized as a billable rate for hours expended. The following categories are keyed to the order of presentation in the Plan.

CRITICAL BMP's:

1. Water Measurement--This BMP covers the maintenance and calibration of the District water measurement devices. All meters in the district are tested and calibrated on a 4-year cycle. Two full time personnel are responsible for calibrating all meters in the district with an annual cost of \$120,000. The cost for new metered deliveries is born by the water user requesting new facilities.
2. District Water Pricing Structure--No direct costs are involved.
3. Water Conservation Coordinator--One full time staff water management specialist works in support of the Coordinator to implement the District Water Management Plan. Total time expended annually is equivalent to 1.1 full time personnel, for a cost of \$66,000 per year.
4. Water Management Services Support
 - a. On-Farm Irrigation and Drainage System Evaluations support is provided in part by the Natural Resources Conservation Service (NRCS) through the EQIP program, which covered 7,020 acres, comprised of 40 fields operated by 22 water users. Irrigation evaluations will be available from a Mobile Lab operated by the San Luis Delta Mendota Water Authority for the benefit of it's members.
 - b. Normal Year and Real-Time Irrigation Scheduling and Crop ET Information staff time is provided by District personnel identified under BMP 3, above. Direct costs for mailing the weekly Irrigation Guide is \$4,500. Another \$1,200 per year is expended to FAX the weekly Irrigation Guide to water users who have FAX machines.
 - c. Shallow Groundwater Monitoring information is provided to district water users in the form of maps prepared for April and October each year. Total annual cost to prepare and distribute maps is \$2,400.
 - d. Water Management Information Program information is undergoing a shift toward being primarily a Web Site based program. Information and publications previously developed as the WMIP will be updated and expanded into this new format. Costs for staff time are included in BMP 3 above plus additional time

from the Public Affairs department for an additional cost of \$20,000 per year of time equivalent to .33 full time personnel. Printing and postage costs to Public Affairs to support this program total \$12,000 per year.

EXEMPTIBLE BMP's

1. Distribution System Lining/Piping--All canal lining has been shown to be infeasible and so the District is exempted from this BMP. No costs are budgeted.
2. Line Regulatory Reservoirs-- All reservoir lining has been shown to be infeasible and so the District is exempted from this BMP. No costs are budgeted.
3. Distribution Control--No improvements needed, closed pipeline system. No costs are budgeted.
4. Reuse Systems--No operational spills necessary. No costs are budgeted.
5. Incentive Pricing--The District is in compliance with this BMP. The annual cost of administering the District water transfer program is \$30,000 for time equivalent to .5 full time personnel.
6. On-Farm Program Incentives--The low interest improved irrigation system improvement lease program is supported by a State Revolving Fund loan and administrative costs are covered by an additional 1/2% interest rate component. Over the 20 year life of the program is expected that administrative costs will average \$5,000 per year.
7. Conjunctive Use--Deep Groundwater Monitoring maps are prepared as part of the Ground Water Management Plan once each year at a cost of \$20,000 to cover total staff time of .33 full time personnel. The District Distribution Integration Program (DIP) allows farmers to pump groundwater into the distribution system program to receive a credit toward later irrigation water deliveries. The annual cost of administering this program is \$9,000 for time equivalent to .15 full time personnel.
8. Land Management--The District has purchased 14,000 acres of drainage affected lands within the District and added the water allocation into the water supply available to remaining lands in the District. The purchased lands are retired from irrigated agriculture and either dry farmed or used as wildlife habitat. The annual cost of administering these lands is \$15,000 for time equivalent to .25 full time personnel. This program is over and above any USBR land retirement programs.
9. Pump Efficiency Testing--Pump testing is an integral part of the District pump maintenance program. In 1999 the District tested 106 pumps at a cost of \$4,800. These tests are used to schedule maintenance on which and when pumps should be rebuilt based on efficiency. Based on these tests 31 vertical and 5 horizontal District pumps were overhauled in 1999 at a cost of \$234,000 in parts and labor.

Total District budgeted expenditures are expected to remain stable at current levels for the scope of this Water Management Plan but are dependent on the yearly contract water supply that has been severely affected by regulatory actions that have reduced the reliability in recent years. Total budgeted District expenditures for the efforts previously discussed are \$543,900 per year in staff time, supplies and costs for 1999. 3% per year inflation is projected for the next 3 years.

The following table summarizes current and projected budgeted expenditures for the next 3 years:

CRITICAL BMP's	1999	2000	2001	2002
1. Water Measurement	\$120,000	\$123,600	\$127,308	\$131,127
2. District Water Pricing Structure				
3. Water Conservation Coordinator	\$66,000	\$67,980	\$70,019	\$72,120
4. Water Management Services Support	\$40,100	\$41,303	\$42,542	\$43,818
EXEMPTIBLE BMP'				
1. Distribution System Lining/Piping				
2. Line Regulatory Reservoirs				
3. Distribution Control				
4. Reuse Systems				
5. Incentive Pricing	\$30,000	\$30,900	\$31,827	\$32,782
6. On-Farm Program Incentives	\$5,000	\$5,150	\$5,305	\$5,464
7. Conjunctive Use	\$29,000	\$29,870	\$30,766	\$31,689
8. Land Management	\$15,000	\$15,450	\$15,914	\$16,391
9. Pump Efficiency Testing	\$238,800	\$245,964	\$253,343	\$260,943
Annual Total	\$543,900	\$560,217	\$577,024	\$594,334

Appendix G

RESOLUTION NO. 106-00

WESTLANDS WATER DISTRICT

**A RESOLUTION OF THE BOARD OF DIRECTORS
ADOPTING THE 1999 WATER MANAGEMENT PLAN**

WHEREAS, Section 210 of the Reclamation Reform Act of 1982 (Public Law 97-293; 43 US § 390jj) requires districts with repayment or water supply contracts to develop and maintain water conservation plans containing definite goals, appropriate water conservation measures, and time schedules for meeting conservation objectives; and

WHEREAS, Westlands Water District has such a federal water service contract and has therefore prepared a Water Conservation Plan; and

WHEREAS, Westlands Water District's Board of Directors adopted Westlands' 1992 Water Conservation Plan in July 1992; and

WHEREAS, Section No. 3405(e) of the Central Valley Project Improvement Act of 1992 (Title XXXIV, Public Law 102-575, 106 Stat. 4713) requires the Secretary of the Interior to establish an office to develop criteria for evaluating water conservation plans developed by CVP contractors, and that said plans be updated every five years; and

WHEREAS, Westlands Water District has prepared a 1999 Water Management Plan in accordance with the law, which updates the District's Water Conservation Plan and which satisfies the criteria for evaluation of water conservation plans developed by the U.S. Bureau of Reclamation.

NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED that the 1999 Water Management Plan is adopted.

Adopted at a regular meeting of the Board of Directors at Fresno, California, this 15th day of May, 2000.

AYES: Directors Dingle, Borba, Coelho, Devine, Errotabere, Gardner, Hurlbutt, Sheely

NOES: None

ABSENT: Director Schmiederer

STATE OF CALIFORNIA)
)ss
COUNTY OF FRESNO)

 , Dave Ciapponi, do hereby certify that I am the duly appointed, qualified and acting Secretary of Westlands Water District, a public district organized under the laws of the State of California with its offices at Fresno, California; that the foregoing Resolution No. 106-00 was duly and regularly adopted by the Board of Directors of Westlands Water District at a meeting of said Board of Directors duly called and held on the 15th of May 2000, at the offices of said Westlands Water District at which a quorum of said Directors was present and acting; and that said Resolution is still in full force and effect.

 IN WITNESS WHEREOF, I have hereunto set my hand and seal as Secretary of said District this 15th day of May 2000.

Signed

Dave Ciapponi, Westlands Water District

RESOLUTION NO. 107-02

WESTLANDS WATER DISTRICT

**A RESOLUTION OF THE BOARD OF DIRECTORS
ADOPTING A 2002 SUPPLEMENTAL MUNICIPAL AND INDUSTRIAL PLAN
TO THE 1999 WATER MANAGEMENT PLAN**

WHEREAS, Section 210 of the Reclamation Reform Act of 1982 (Public Law 97-293; 43 US § 390jj) requires districts with repayment or water supply contracts to develop and maintain water conservation plans containing definite goals, appropriate water conservation measures, and time schedules for meeting conservation objectives; and

WHEREAS, Section No. 3405(e) of the Central Valley Project Improvement Act of 1992 (Title XXXIV, Public Law 102-575, 106 Stat. 4713) requires the Secretary of the Interior to establish an office to develop criteria for evaluating water conservation plans developed by CVP contractors, and that said plans be updated every five years; and

WHEREAS, Westlands Water District's has a federal water service contract and, accordingly, the Board of Directors adopted Westlands' 1999 Water Conservation Plan in May 2000; and

WHEREAS, the U.S. Bureau of Reclamation directed that the District supplement its 1999 Water Management Plan with a Municipal and Industrial (M&I) Urban Plan to address water conservation for M&I uses within the District; and

WHEREAS, the Westlands Water District has revised its 1999 Water Management Plan to include a 2002 Supplemental M&I Urban Plan in accordance with the law, which updates the District's Water Conservation Plan and which satisfies the criteria for evaluation of agricultural and urban water conservation plans developed by the U.S. Bureau of Reclamation.

NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED that the 1999 Water Management Plan with the 2002 Supplemental M&I Urban Plan is adopted.

Adopted at a regular meeting of the Board of Directors at Fresno, California, this 20th day of May, 2002.

AYES: Directors Coelho, Devine, Dingle, Errotabere, Esajian, Gardner,
Schmiederer, Sheely
NOES: None
ABSENT: Director Souza

Signed
Dave Ciapponi, District Secretary

STATE OF CALIFORNIA)
)ss
COUNTY OF FRESNO)

I, Dave Ciapponi, do hereby certify that I am the duly appointed, qualified and acting Secretary of Westlands Water District, a public district organized under the laws of the State of California with its offices at Fresno, California; that the foregoing Resolution No. 107-02 was duly and regularly adopted by the Board of Directors of Westlands Water District at a meeting of said Board of Directors duly called and held on the 20th of May 2002, at the offices of said Westlands Water District at which a quorum of said Directors was present and acting; and that said Resolution is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and seal as Secretary of said District this 20th day of May 2002.

Signed
Dave Ciapponi, District Secretary