

99A-119

PSP COVER SHEET

Proposal Title: Tuttle Pump Relocation Project
Applicant Name: Maxwell Irrigation District
Mailing Address: 35 Oak Street (P.O. Box 217), Maxwell, California 95955
Telephone: 530-438-2773
Fax: 530-438-2114
E-Mail: N/A

Amount of funding requested: \$ 427,900 for Two years

Indicate the Topic for which you are applying (check only one box):

- X Fish Passage/Fish Screens
Habitat Restoration
Local Watershed Stewardship
Water Quality
Introduced Species
Fish Management/Hatchery
Fish Management/Hatchery
Environmental Education

Does the proposal address a specified Focused Action? Yes X No

What county or counties is the project located in? Colusa

Indicate the geographic area of your proposal (check only one box):

- X Sacramento River Mainstem
Sacramento Trib:
San Joaquin River Mainstem
San Joaquin Trib:
Delta:
East Side Trib:
Suisun Marsh and Bay
North Bay/South Bay:
Landscape (Entire Bay-Delta Watershed)
Other:

Indicate the primary species which the proposal addresses (check all that apply):

- San Joaquin and East-side Delta tributaries fall-run chinook salmon
X Winter-run chinook salmon
X Late-fall Run Chinook Salmon
Delta Smelt
Splittail
Green Sturgeon
Migratory Birds
Other
X Spring-run Chinook Salmon
X Fall-run Chinook Salmon
Longfin Smelt
X Steelhead Trout
Striped Bass
X All Chinook Species
X All Anadromous Salmonids

Specify the EFP strategic objective and target(s) that the project addresses. Include page numbers from January 1999 version of ERP Volumes I and II:

Reducing or Eliminating Stressors, Water Diversions, Volume II, Page 188.
Target 1, Programmatic Action 1A and 1C (Consolidating Diversions), Page 189

Indicate the type of applicant (check only one box):

- |  |   |
|--|---|
| <input type="checkbox"/> State Agency                    | <input type="checkbox"/> Federal Agency           |
| <input type="checkbox"/> Public/Non-profit Joint Venture | <input type="checkbox"/> Non-profit               |
| <input type="checkbox"/> Local Government/District       | <input checked="" type="checkbox"/> Private Party |
| <input type="checkbox"/> University                      | <input type="checkbox"/> Other: _____             |

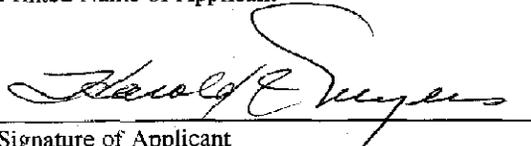
Indicate the type of project (check only one box):

- |                                     |  |
|-------------------------------------|--|
| <input type="checkbox"/> Planning   | <input checked="" type="checkbox"/> Implementation |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Education                 |
| <input type="checkbox"/> Research   |  |

By signing below, the applicant declares the following:

1. The truthfulness of all representations in their proposal;
2. The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
3. The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

HAROLD MYERS, PRESIDENT  
MAXWELL IRRIGATION DISTRICT  
Printed Name of Applicant

  
Signature of Applicant

**MAXWELL IRRIGATION DISTRICT  
TUTTLE PUMP RELOCATION PROJECT**

<b>Name:</b>	<b>Maxwell Irrigation District</b>
<b>Address:</b>	<b>35 Oak Street (P.O. Box 217) Maxwell, California 95955</b>
<b>Telephone:</b>	<b>530-438-2773</b>
<b>Fax:</b>	<b>530-438-2114</b>
<b>E-mail:</b>	<b>N/A</b>
<b>Participants:</b>	<b>Maxwell Irrigation District Charles W. Tuttle (including Charles W. Tuttle, Jr., Charles W. Tuttle Farm Trust for Charles W. Tuttle, Jr., Sue T. Noack, and Charles W. Tuttle Farm Trust for Sue T. Noack)</b>
<b>Type of Organization:</b>	<b>Special District Private Individual Entity</b>
<b>Tax Status:</b>	<b>Non-exempt</b>
<b>TIN:</b>	<b>94-2278480 (Maxwell Irrigation District)</b>

**EXECUTIVE SUMMARY**

**General.** The Maxwell Irrigation District (District), in cooperation with Charles W. Tuttle, is proposing to relocate the irrigation pumps of Charles W. Tuttle onto the District's Sacramento River pumping plant. The District's pumping plant, completed in 1994, was constructed with funding from the CVPIA. The pumping plant employs state-of-the-art fish screens, which comply with the criteria of the California Department of Fish and Game (CDFG) and National Marine Fisheries Service (NMFS). The pumping plant structure and fish screens were designed to facilitate the consolidation of the pumped diversions, as is now being proposed. The nominal capacity of the Tuttle pumps will be 20 cfs.

**Objectives.** Tuttle's and other unscreened diversions along the Sacramento River are the primary stressors being addressed under this proposal. The relocation of Tuttle's pumps to take advantage of the District's positive-barrier fish screens will provide immediate benefits to all runs of chinook salmon and steelhead. This is a straightforward and focused action that is a documented near-term restoration action that can reduce entrainment of fish and contribute to the increased production of salmon, steelhead, and other fish in the Sacramento River system. Installing screening diversions, as proposed, will contribute to the cumulative benefits of the Ecosystem Restoration Program. This project is consistent with the Anadromous Fish Restoration Program Action Program, and is consistent with actions identified by the Technical Team working with the CALFED Bay-Delta Program to address stressors.

**Cost.** The work includes engineering design; preparing construction documents, environmental documentation, construction/equipment installation; and construction management. The total budget to design, construct, and monitor the project is \$427,900.

**Third-Party Impacts.** There will be no third-party impacts resulting from this project.

**Applicant Qualifications.** The applicant has successfully completed the construction of its river pumping plant using the services of Borcalli & Associates, Inc. (B&A). To ensure the successful implementation of this project, the applicant will retain the services of B&A to manage the project and its design, construction, and monitoring.

**Monitoring and Data Evaluation.** B&A has performed monitoring programs on several similar projects. B&A will prepare, in consultation with the AFSP Technical Team, to ensure screen approach and sweeping velocities are within criteria and the constructed facility meets the approval of the regulatory agencies.

**Local Support/Coordination With Other Programs.** The applicant has notified the Colusa County Board of Supervisors and the City of Colusa of its proposed project. The District's pumping plant is located on an easement, which was obtained from Charles W. Tuttle. The work to be performed will be on Tuttle's property and will require an encroachment permit from the State Reclamation Board for construction affecting the levee.

**Compatibility With CALFED Objectives.** The project is compatible with CALFED objectives for restoring salmon and steelhead. The positive-barrier screen will eliminate stress on juvenile salmonids resulting from unscreened diversions.

## **PROJECT DESCRIPTION**

**Proposed Scope of Work.** The proposed Tuttle Pump Relocation Project represents a continued effort on the part of the District to assist in restoring the fishery resources in the Sacramento River. The intake to the District's existing Sacramento River Pumping Plant includes three cylindrical wedge-wire T-type fish screens with an air burst scour system for automated cleaning.

Ownership of the property upon which the District's pumping plant was constructed is shared by four entities: Charles W. Tuttle, Jr.; Charles W. Tuttle Farm Trust for Charles W. Tuttle, Jr.; Sue T. Noack; and Charles W. Tuttle Farm Trust for Sue T. Noack (collectively referred to in this proposal as Tuttle). As part of the District's agreement with Tuttle, the screened intake and sump were designed with a reserve capacity of 20 cubic feet per second (cfs) to accommodate the relocation of Tuttle's existing unscreened diversion to the District's pumping plant.

The project consists of relocating Tuttle's diversion to the District's pumping plant and removing the existing pumping facilities approximately 450 feet south of the District's plant. Tuttle's existing diversion consists of two inclined pump and motor units. The existing discharge pipes convey river water beneath the adjacent levee to a concrete distribution structure on the land side toe of the levee. The distribution structure is configured with a slide gate and stoplog channels for diverting flow to either Tuttle's orchards or ranch. This operational flexibility will be maintained with the proposed project facilities. The features would, therefore, include installing two vertical mixed flow pump units and electrical equipment on the south end of the District's existing pumping plant. Two steel conveyance pipelines would be aligned south along the riverside bench at least 10 feet off the levee toe to the existing point of diversion, as required by the State Reclamation Board. From there, the pipelines would cross over the levee to a new distribution structure constructed at least 10 feet off the land side levee toe. Each pipeline would also be provided with a siphon breaker valve at the apex of the levee crossing.

The principal tasks and activities to provide overall project management and environmental, design, and construction services for the project, are described below. This breakdown of tasks and activities will provide the basis for managing the progress of the work and budget.

### **Project Management**

**Prepare and Implement Project Management Plan.** Prepare a Project Management Plan (PMP) and provide the basis for conducting, coordinating, and guiding the team in performing the work for design and construction. Providing a Quality Assurance Plan (QAP) will be prepared as an integral part of the PMP. The QAP will provide guidelines for quality assurance throughout the respective phases of the project.

**Prepare Monthly Status Reports.** Monthly reports will be prepared to describe the status of the work and budget. The status of the work will be described in relation to the work completed and planned over the following two weeks.

### **Project Coordination**

**Coordinate With the District.** Day-to-day activities during the design and environmental review will be coordinated with District.

**Coordinate With AFSP Technical Team.** The USFWS manages an AFSP Technical Team comprised of agencies having regulatory and resource management responsibility. Meetings with the Technical Team and or CDFG will be held as early as possible to advise them of the project and schedule and to keep them apprised of progress and receive input on the design layout of the preferred alternative.

**Environmental Documentation.** Existing environmental documentation prepared for the District's Sacramento River pumping plant will be reviewed and the project description revised accordingly. In addition, the environmental documentation will be updated to address species recently listed under the Federal Endangered Species Act.

### **Permitting**

**Obtain CDFG Streambed Alteration Permit.** Under Sections 1601 – 1606 of the CDFG Code, CDFG has regulatory jurisdiction over the removal of materials and/or alteration of river bottoms.

**Obtain State Reclamation Board Encroachment Permit.** Approval by the State Reclamation Board will be required for the project.

**Obtain California Regional Water Quality Control Board Section 401 Water Quality Certification.** A Section 401 water Quality Certification will be obtained from the Central Valley Regional Water Quality Control Board.

**Obtain U.S. Army Corps of Engineers - N33 and N4 Permits.** Compliance with Section 404 of the Clean Water Act is required. Issuance of Nationwide Permits 33 and 4 will satisfy Section 404 requirements.

**Comply With Endangered Species Act.** Although there are no specific permit requirements associated with the Federal Endangered Species Act (ESA), the ESA is an important consideration in virtually all environmental processes identified above.

**Inform County Public Works Department.** No permits are required from Colusa County, however, the county will be advised when work is to begin.

### **Surveying and Mapping**

**Perform Additional Design Surveys.** Perform additional surveys required for the final design of the project.

**Perform Construction Surveys.** Perform all necessary surveying and mapping required for the design and control of construction of the project.

### **Engineering Design**

**Prepare Design Report.** A Design Report that sets forth the overall concept of the project, conditions for operation, design, and design criteria will be prepared.

**Perform Design and Prepare Construction/Procurement Plans and Specifications.** Engineering design will be performed and construction plans and specifications for the civil, mechanical, and electrical features of the project will be prepared.

**Perform Design Quality Assurance.** The QAP will be prepared with a schedule and procedures to conduct quality assurance reviews of the design.

**Prepare As-Built Drawings.** The District and the Technical Team will be provided with as-built drawings at the conclusion of the project.

### **Construction/Equipment Installation**

The proposed project will include constructing or installing all the necessary components and structures necessary to convey screened river water into Tuttle's existing irrigation canals (Figure 1). Construction of the screened diversion will take place in order of the tasks outlined below:

**Pumps, Motors, and Electrical Equipment.** Two new vertical mixed flow pumps and motors will be installed on the south end of the equipment platform at the existing District pumping plant. This item of work will also include installing the electrical equipment, comprised of starter and control panels.

**Conveyance Pipelines and Distribution Structure.** This item of work includes the piping and structure necessary to convey river water from the District's existing pumping plant to Tuttle's irrigation canals. The pipelines will be constructed in open trenches following completion of the above item of work. Once the pipelines are installed, the distribution structure will be constructed.

**Decommission Existing Facilities.** After the new screened diversion is constructed, the existing diversion structure will be decommissioned. The two existing incline propeller pumps and motors will be removed and salvaged. All other unused components will also be removed and the entire area finish graded.

**Startup and Testing.** This includes performing the initial startup and testing of the new project to ensure proper operation.

### **Perform Construction Management**

**Perform Design Liaison and Manage Construction.** Resolution of questions arising during construction will be coordinated with the designer. Construction and installation of materials and equipment will be managed by the contractor's superintendent.

**Perform Construction Project Administration.** Make clarifications and interpretations of the plans and specifications for the contractor. Ensure contractor complies with permits. Maintain all construction-related correspondence and review progress payment requests for consistency with work performed.

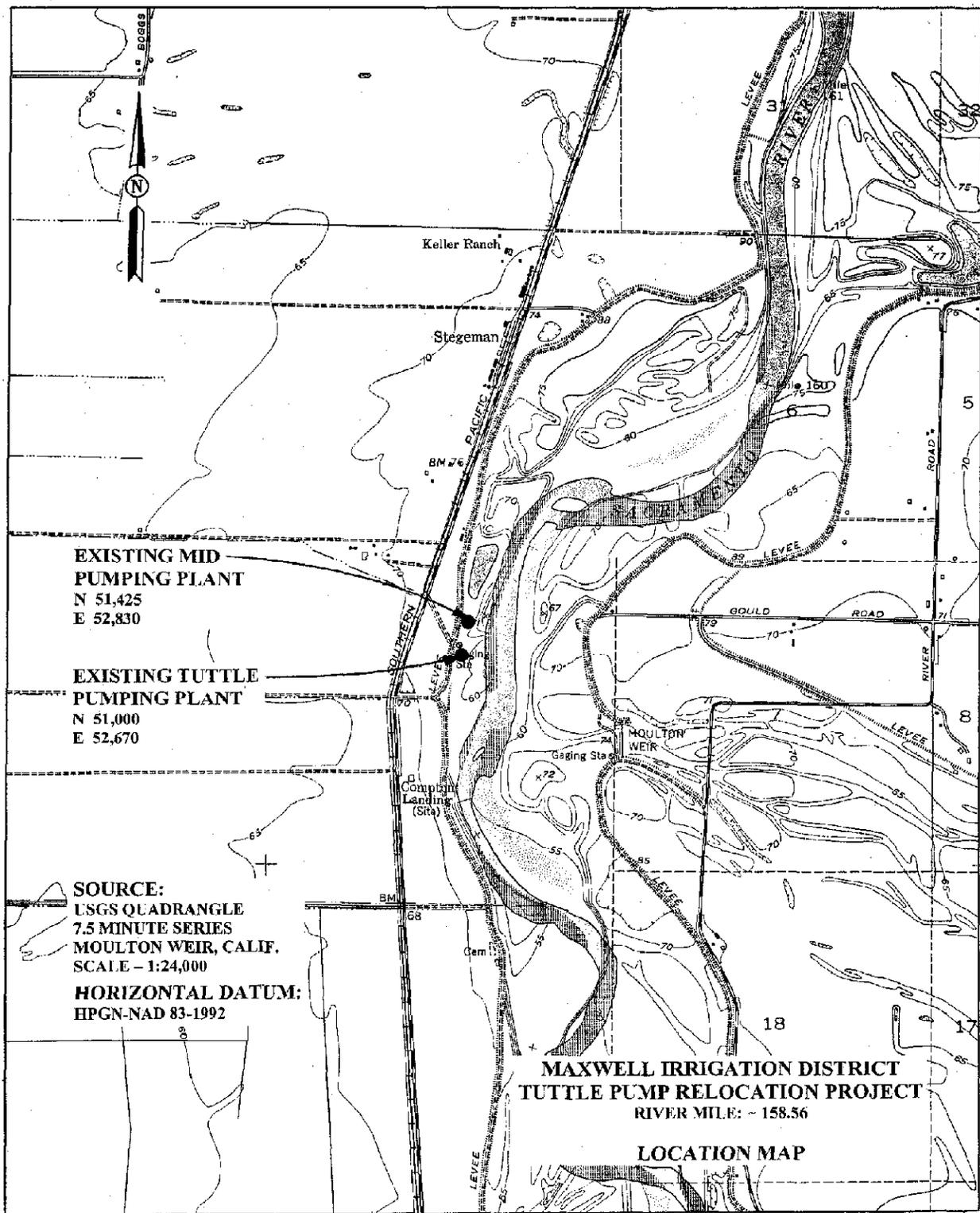
**Perform Construction Quality Assurance.** Ensure contractor compliance with plans and specifications.

### **Operations and Maintenance**

**Prepare Operation and Maintenance Document and Training.** Compile manufacturer instructions for operation and maintenance of the equipment. Upon completion of construction, the operation and maintenance documents will be reviewed with the District. Operation orientation will also be provided to the District.

### **Project Evaluation**

**Measure Approach Velocity.** Approach velocity is an important design parameter and a program will be developed and scheduled with AFSP Technical Team to implement the work and evaluate the data.

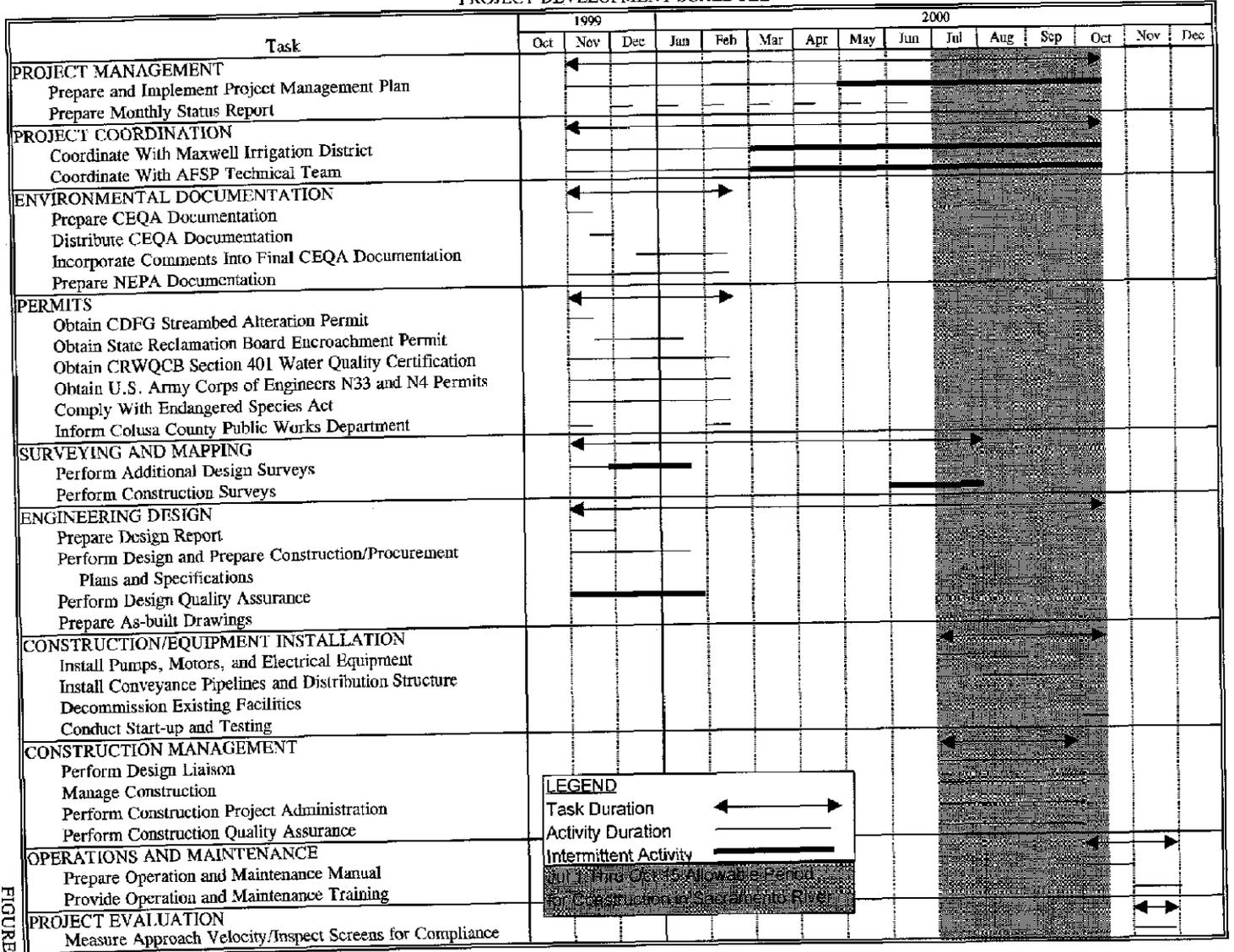


MAP 1

I - 0 1 3 4 9 2

I-013492

**MAXWELL IRRIGATION DISTRICT  
TUTTLE PUMP RELOCATION PROJECT  
PROJECT DEVELOPMENT SCHEDULE**



1-013493

FIGURE 1

## **ECOLOGICAL/BIOLOGICAL BENEFITS**

**Ecological/Biological Objectives.** The primary stressor being addressed under this proposal is the existing unscreened diversion. Screening of all diversions of all sizes is a documented near-term restoration action that can further reduce the entrainment and contribute to increased production of salmon from the Sacramento River system. The project is enhanced with the opportunity to consolidate the District and Tuttle into one screened facility. Design and construction of a positive-barrier fish screen at this diversion that will provide immediate benefits to anadromous fish includes: winter run, fall-run, late fall-run, and spring-run chinook salmon and steelhead. The latter of the two species have potential for being listed as endangered. This project will also benefit multiple fish species in the Sacramento River, including the resident Sacramento splittail, green, and white sturgeon.

**Linkages.** The overall scope of the proposed project is divided in two phases. Phase 1, which is complete, included preparing a feasibility investigation report where alternatives were evaluated and a preferred alternative selected. Environmental documentation was also included in the Phase 1 scope, and is currently being completed. Funding for Phase 1 was made available through CALFED. The next step is to pursue funding for Phase 2. Completing this project will eliminate another increment of unscreened diversions and bring CALFED one step closer to fulfilling its overall objective to improve ecological health of the Bay-Delta and its tributary watersheds. Completing this project will also allow the District to comply with its permit requirement to install fish screens, as stipulated by the SWRCB.

The proposed project is an additional increment of a successful fish screen program that has been funded by CALFED, CVPIA, and DWR 4 Pumps. Seventy-five to eighty percent of the diverted water on the Sacramento River is or will soon be screened. Several projects are currently being implemented on the Sacramento River, Butte Creek, and in the Suisun Marsh. One example is the Princeton-Codora-Glenn District and Provident Irrigation District project of consolidating three diversions into one 600 cfs screened pump station. This pump station is currently being constructed on the Sacramento River above Colusa. Recently constructed fish screens on Butte Creek and in the Suisun Marsh have also received CALFED/CVPIA funding.

**System-Wide Ecosystem Benefits.** Many fish screen/fish passage projects have already been completed and are currently being proposed to benefit fish species in the watershed. If the proposed project was implemented it would compliment the overall efforts of these projects, to increase the numbers of anadromous and resident fish species in the Sacramento River system. The increase in fisheries will also provide benefits to the overall ecological health of the Bay-Delta and its tributary watersheds.

**Compatibility With Non-ecosystem Objectives.** This project provides no benefits or conflicts with other CALFED nonecosystem objectives.

## **TECHNICAL FEASIBILITY AND TIMING**

Tuttle currently diverts water from the Sacramento River to land side irrigation canals through two unscreened inclined pumps. The relocation of Tuttle's pumping equipment to the District's existing Sacramento River pumping plant would consolidate Tuttle's diversion with the District's into one existing facility with fish screens designed in accordance with criteria established by CDFG and NMFS. The design of the District's pumping plant included provision for reserve intake capacity to incorporate Tuttle's diversion in the future. Therefore, the scope of the proposed project represents implementation of the full design capacity of the District's pumping plant. The existing fish screens have previously been evaluated for conformance with CDFG and NMFS criteria. However, additional testing would be performed to evaluate the screens under full design capacity.

CEQA and NEPA documentation was previously prepared for the District's project. The environmental documentation would either be revised to incorporate the proposed project in the project description and address any species recently listed under the Endangered Species Act, or project-specific documentation would be prepared.

Currently no permits have been obtained for the proposed project. The permitting process is included in the scope of work, and is dependant upon receiving CALFED funding. The permits required for construction of this project are outlined below:

**CDFG Streambed Alteration Permit.** Under Sections 1601 - 1606 of the CDFG Code, the CDFG has regulatory jurisdiction over the removal of materials and/or alteration of river bottoms. Therefore, prior to construction, a Streambed Alteration Agreement must be obtained from the CDFG.

**State Reclamation Board Encroachment Permit.** Approval by the State Reclamation Board will be required for the project since the Board approves all projects that encroach into rivers and waterways contained by federal and state authorized flood control projects, and within designated floodways adopted by the Board.

**California Regional Water Quality Control Board Section 401 Water Quality Certification.** A Section 401 water Quality Certification will be obtained from the Central Valley Regional Water Quality Control Board.

**U.S. Army Corps of Engineers - N33 and N4 Permits.** Compliance with Section 404 of the Clean Water Act is required. Issuance of Nationwide Permits 33 and 4 will satisfy Section 404 requirements.

## **MONITORING AND DATA COLLECTING METHODOLOGY**

**Biological/Ecological Objectives.** The primary biological/ecological objective of this project is to protect fish species in the Sacramento River. To achieve this objective, the use of a positive-barrier-type fish screen is being proposed. Fish screens can provide immediate benefits to fish species if designed according to CDFG and NMFS criteria. CDFG and NMFS design criteria, established through extensive screen testing, sets standards for items such as screen approach velocity, size of screen opening, and cleaning systems, if required. After completing this project, the screens will need to be monitored and evaluated to confirm they function within the established criteria and are maintained to ensure they operate as intended. The primary items that need to be monitored and evaluated are fish entrainment, fish impingement, approach velocity, and hydraulic characteristics.

### **Monitoring Parameters and Data Collection Approach.**

Fish Entrainment -- Fish entrainment will be addressed by: (1) confirming the existing screen opening conforms to the criteria of CDFG and NMFS; and (2) conducting an underwater inspection of the screen and intake to determine if any "gaps" exist in joining various components.

Fish Impingement -- Fish impingement will be addressed by: (1) an underwater inspection of the screen surfaces; and (2) flow measurements to confirm the approach velocity does not exceed the design value.

Approach Velocity -- An Acoustic Doppler Velocimeter (ADV) will be used to measure the approach velocity. The velocity will be measured at a distance of approximately three inches from the face of the screen.

Hydraulic Characteristics -- Hydraulic characteristics of the screens relate to the relative uniformity of flow around the screen. Velocity measurements will be made at predetermined locations on the screen using an (ADV). These measurements will be used to create a map of the screen's velocity profile to determine the uniformity of flow.

Screen Cleaning Underwater inspections of the screens will be performed at predetermined intervals. The results of these inspections will be used to determine the screens ability to remain clean under the given environment.

**Data Evaluation Approach.** Upon compiling data for the above tasks, the information will be evaluated by the Anadromous Fish Screening Program (AFSP) Technical Team. The AFSP Technical Team will then determine if fish entrainment, impingement, approach velocity, and hydraulic characteristics are acceptable and conform to the CDFG and NMFS requirements. Information on the cleanliness of the screen will be used to establish cleaning intervals.

Table 1 presents a breakdown of the environmental/ecological objectives.

**TABLE 1  
MAXWELL IRRIGATION DISTRICT  
TUTTLE PUMP RELOCATION PROJECT**

**BIOLOGICAL/ECOLOGICAL OBJECTIVES**

Hypothesis/Question to be Evaluated	Monitoring Parameters and Data Collection Approach	Data Evaluation Approach	Comments/Data Priority
Do the fish screens comply with CDFG and NMFS design criteria	Fish Entrainment 1. Confirm screen opening 2. Underwater field inspection during operation	ASFP Technical Team will review inspection to determine compliance with CDFG and NMFS requirements	
	Fish Impingement 1. Underwater field inspection of screens and intake during operation 2. Perform velocity measurements, during operation with an ADV	ASFP Technical Team will review inspection and velocity measurements to determine compliance with CDFG and NMFS requirements	
	Approach Velocity Perform velocity measurements at pre-determined strategic locations, 3 inches from the screen surface with an ADV	ASFP Technical Team will review velocity measurements to determine compliance with CDFG and NMFS requirements	
	Hydraulic Characteristics Use data collected to determine approach velocity	ASFP Technical Team will review velocity measurements to determine flow uniformity related to the entire screen surface area	Nonuniform flow distributions will create velocity hot-spots that can exceed CDFG and NMFS approach velocity requirements
	Screen Cleaning Perform underwater visual inspections for debris buildup and accumulation of biological growth	Inspections will be evaluated to determine screen maintenance interval	

**LOCAL INVOLVEMENT**

The Colusa County Board of Supervisors and the City of Colusa were notified, in writing, of the District's and Tuttle's pump relocation project. The CDFG has been apprised of the project and knows the District's pumping plant was designed to accommodate this consolidation.

Charles W. Tuttle owns the land for the project and no other landowners will be impacted by the proposed project.

Letters from the above-referenced entities, relative to the project, follow this section.

# MAXWELL IRRIGATION DISTRICT

A Public Entity

P.O. Box 217, 35 Oak Street, Maxwell, California 95955 • Phone 530.438.2773 Fax 530.438.2114

April 12, 1999

Jerry L. Maltby, Chairman  
Colusa County Board of Supervisors  
546 Jay Street  
Colusa, California 95932

Subject: Maxwell Irrigation District, Sacramento River Anadromous Fish Restoration Project  
-- Relocation of Tuttle Pumps

Dear Mr. Chairman and Members of the Board:

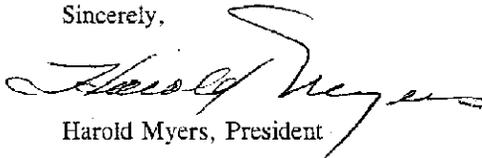
This letter is written to advise the Colusa County Board of Supervisors that the Maxwell Irrigation District (District) and Mr. Charles Tuttle (Tuttle), jointly, are pursuing relocating the Tuttle pumps located in the Sacramento River. This action is being pursued so water diversions made for the Tuttle operations will be served by state-of-the-art fish screens.

In 1993, the District, as a proponent of sound resource management and fishway restoration, relocated its existing pumping plant to a new location and equipped it with state-of-the-art fish screens. This was accomplished with the provision of relocating the Tuttle pumps at a later time. That time has arrived and the District and Mr. Tuttle, jointly, are pursuing available funding through CalFed and the Central Valley Project Improvement Act (CVPIA). CalFed is a consortium of Federal and State agencies that administer both Federal and State monies allocated for environmental restoration. Funding through CVPIA is administered by the U.S. Bureau of Reclamation and U.S. Fish and Wildlife Service.

We appreciate the support of the Board of Supervisors for this joint effort to further the restoration of anadromous fish in the Sacramento River.

If you have any questions, please call.

Sincerely,



Harold Myers, President

# MAXWELL IRRIGATION DISTRICT

A Public Entity

P.O. Box 217, 35 Oak Street, Maxwell, California 95955 • Phone 530.438.2773 Fax 530.438.2114

April 12, 1999

Ms. Patty Heckle  
Public Works Department  
City of Colusa  
P.O. Box 1063  
Colusa, California 95932

Subject: Maxwell Irrigation District, Sacramento River Anadromous Fish Restoration Project  
-- Relocation of Tuttle Pumps

Dear Ms. Heckle:

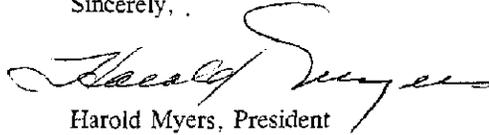
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We appreciate the support of the City for this joint effort to further the restoration of anadromous fish in the Sacramento River.

If you have any questions, please call.

Sincerely,



Harold Myers, President

**CHARLES W. TUTTLE FARM TRUST**  
1113 Carson Street  
Colusa, California 95932

April 16, 1999

Board of Directors  
Maxwell Irrigation District  
Post Office Box 217  
Maxwell, California 95955

**RE: TUTTLE PUMP RELOCATION PROJECT**

Dear Mr. Myers:

On behalf of the shareholders of the Tuttle property and pumped diversion (Charles W. Tuttle Farm Trust) located along the Sacramento River at approximately River Mile 158.57, this letter expresses our interest in jointly participating with the Maxwell Irrigation District on the proposed project to relocate the existing Tuttle pumping facilities to the district's Sacramento River Pumping Plant.

If the Federal and/or State agencies provide sufficient funding to pay for and install the required equipment and materials, Tuttle would be willing to participate in the pump relocation project.

Sincerely,



Sue Tuttle Noack  
Charles W. Tuttle Farm Trust

**COST**

**Budget.** The budget for performing the tasks and activities described in the Scope of Work is \$427,900. A breakdown of the costs, according to task and activity, is presented in Table 2. All work required to implement the proposed project will be performed under service contracts. All costs are shown accordingly. The applicant does not propose to perform any of the work required.

Presented in Table 3, is a breakdown of the tasks on a quarterly basis.

**Schedule.** Presented on Figure 1, under Project Description, is the schedule for implementing the proposed project.

**TABLE 2  
MAXWELL IRRIGATION DISTRICT  
TUTTLE PUMP RELOCATION PROJECT**

**TOTAL BUDGETED COSTS  
(CALFED Funds Only)**

Task	Total Cost, \$
<b>Project Management</b>	
Prepare and Implement Project Management Plan	3,000
Prepare Monthly Status Reports	2,000
<b>Subtotal</b>	<b>5,000</b>
<b>Project Coordination</b>	
Coordinate with Maxwell Irrigation District	1,500
Coordinate with AFSP Technical Team	1,000
<b>Subtotal</b>	<b>2,500</b>
<b>Environmental Documentation</b>	
Prepare CEQA Documentation	6,200
Distribute CEQA Documentation	800
Incorporate Comments Into Final CEQA Documentation	900
Prepare NEPA Documentation	4,100
<b>Subtotal</b>	<b>12,000</b>
<b>Permits</b>	
Obtain CDFG Streambed Alteration Permit	400
Obtain State Reclamation Board Encroachment Permit	400
Obtain CRWQCB Section 401 Water Quality Certification	500
Obtain U.S. Army Corps of Engineers N33 and N4 Permits	5,100
Comply with Endangered Species Act	1,400
Inform Sutter County Public Works Department	100
<b>Subtotal</b>	<b>7,900</b>
<b>Surveying and mapping</b>	
Perform Additional Design Surveys	1,000
Perform Construction Surveys	3,000
<b>Subtotal</b>	<b>4,000</b>
<b>Engineering Design</b>	
Prepare Design Report	3,600
Perform Design and Prepare Construction/Procurement Plans and Specifications	49,500
Perform Design Quality Assurance	4,500
Prepare As-built Drawings	2,000
<b>Subtotal</b>	<b>59,600</b>
<b>Construction/Equipment Installation</b>	
Install Pumps, Motors, and Electrical Equipment	110,400
Install Conveyance Pipelines and Distribution Structure	177,800
Decommission Existing Facilities	13,800
Conduct Start-up and Testing	1,000
<b>Subtotal</b>	<b>303,000</b>
<b>Construction Management</b>	
Perform Design Liaison	1,000
Manage Construction (Included in Construction/Equipment Installation)	0
Perform Construction Project Administration	7,500
Perform Construction Quality Assurance	19,200
<b>Subtotal</b>	<b>27,700</b>
<b>Operations and Maintenance</b>	
Prepare Operations and Maintenance Manual	2,700
Provide Operations and Maintenance Training	1,500
<b>Subtotal</b>	<b>4,200</b>
<b>Project Evaluation</b>	
Measure Approach Velocity/Inspect Screen System for CDFG and NMFS Compliance	2,000
<b>Subtotal</b>	<b>2,000</b>
<b>TOTAL</b>	<b>427,900</b>

**TABLE 3  
MAXWELL IRRIGATION DISTRICT  
TUTTLE PUMP RELOCATION PROJECT**

**QUARTERLY BUDGET**

Task	Quart. Budget Oct - Dec '99	Quart. Budget Jan - Mar '00	Quart. Budget Apr - Jun '00	Quart. Budget Jul - Sep '00	Quart. Budget Oct - Dec '00	Total Budget
<b>PROJECT MANAGEMENT</b>						
Prepare and Implement Project Management Plan	1,400	500	500	500	100	3,000
Prepare Monthly Status Reports	300	500	500	500	200	2,000
Subtotal	1,700	1,000	1,000	1,000	300	5,000
<b>PROJECT COORDINATION</b>						
Coordinate with the District	400	500	200	200	200	1,500
Coordinate with AFSP Technical Team	100	200	100	100	500	1,000
Subtotal	500	700	300	300	700	2,500
<b>ENVIRONMENTAL DOCUMENTATION</b>						
Prepare CEQA Documentation	6,200	0	0	0	0	6,200
Distribute CEQA Documentation	800	0	0	0	0	800
Agency Decision-Making	0	900	0	0	0	900
Prepare NEPA Documentation	3,000	1,100	0	0	0	4,100
Subtotal	10,000	2,000	0	0	0	12,000
<b>PERMITS</b>						
Obtain CDFG Streambed Alteration Permit	400	0	0	0	0	400
Obtain State Reclamation Board Encroachment Permit	300	100	0	0	0	400
Obtain CRWQCB Section 401 Water Quality Certification	300	200	0	0	0	500
Obtain Corp of Engineers N33 and N4 Permits	3,500	1,600	0	0	0	5,100
Comply with Endangered Species Act	700	700	0	0	0	1,400
Inform Colusa County Public Works Department	50	50	0	0	0	100
Subtotal	5,250	2,650	0	0	0	7,900
<b>SURVEYING AND MAPPING</b>						
Perform Additional Design Surveys	700	300	0	0	0	1,000
Perform Construction Surveys	0	0	2,000	1,000	0	3,000
Subtotal	700	300	2,000	1,000	0	4,000

1-013504

1-013504

Task	Quart. Budget Oct - Dec '99	Quart. Budget Jan - Mar '00	Quart. Budget Apr - Jun '00	Quart. Budget Jul - Sep '00	Quart. Budget Oct - Dec '00	Total Budget
<b>ENGINEERING DESIGN</b>						
Prepare Design Report	3,600	0	0	0	0	3,600
Perform Design and Prepare Construction/Procurement Plans and Specifications	39,500	10,000	0	0	0	49,500
Perform Design Quality Assurance	3,000	1,500	0	0	0	4,500
Prepare As-built Drawings	0	0	0	0	2,000	2,000
Subtotal	46,100	11,500	0	0	2,000	59,600
<b>CONSTRUCTION/EQUIPMENT INSTALLATION</b>						
Pumps, Motors, and Electrical Equipment	0	0	0	110,400	0	110,400
Conveyance Pipelines and Distribution Structure	0	0	0	177,800	0	177,800
Decommission Existing Facilities	0	0	0	13,800	0	13,800
Conduct Start-up and Testing	0	0	0	0	1,000	1,000
Subtotal	0	0	0	302,000	1,000	303,000
<b>CONSTRUCTION MANAGEMENT</b>						
Perform Design Liaison	0	0	0	1,000	0	1,000
Manage Construction (Included in Construction/Equipment Installation)	0	0	0	0	0	0
Perform Construction Project Administration	0	0	0	7,500	0	7,500
Perform Construction Quality Assurance	0	0	0	19,200	0	19,200
Subtotal	0	0	0	27,700	0	27,700
<b>OPERATIONS AND MAINTENANCE</b>						
Prepare Operations and Maintenance Manual	0	0	0	0	2,700	2,700
Provide Operations and Maintenance Training	0	0	0	0	1,500	1,500
Subtotal	0	0	0	0	4,200	4,200
<b>PROJECT EVALUATION</b>						
Measure Approach Velocity/Inspect Screen System for CDFG and NMFS Compliance	0	0	0	0	2,000	2,000
Subtotal	0	0	0	0	2,000	2,000
<b>TOTAL</b>	64,250	18,150	3,300	332,000	10,200	427,900

**COST-SHARING**

No commitments for funding have been solicited to date. Thus, no commitments for funding exist. This application is the first attempt to obtain funding for the proposed project.

**APPLICANT QUALIFICATIONS**

The applicant successfully completed construction of its Sacramento River Pumping Plant Project with fish screens in 1993/94. The applicant would perform this work through B&A, who would be retained as the Project Manager/Engineer. B&A will manage the project, prepare construction plans and specifications, and assist the applicant in selecting a contractor.

Environmental documentation and surveys will be performed through B&A with subconsultant agreements with respective firms.

**APPENDIX D**  
**AND**  
**APPENDIX E**

**STANDARD CLAUSES -  
SMALL BUSINESS PREFERENCE AND CONTRACTOR IDENTIFICATION NUMBER**

**NOTICE TO ALL BIDDERS:**

Section 14835, et. seq. of the California Government Code requires that a five percent preference be given to bidders who qualify as a small business. The rules and regulations of this law, including the definition of a small business for the delivery of service, are contained in Title 2, California Code of Regulations, Section 1896, et. seq. A copy of the regulations is available upon request. Questions regarding the preference approval process should be directed to the Office of Small and Minority Business at (916) 322-5060. To claim the small business preference, you must submit a copy of your certification approval letter with your bid.

Are you claiming preference as a small business?

\_\_\_\_ Yes\*                        X   No

\*Attach a copy of your certification approval letter.

**NONDISCRIMINATION COMPLIANCE STATEMENT**

STD. 19 (REV. 3-96) PWC

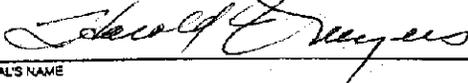
COMPANY NAME

MAXWELL IRRIGATION DISTRICT

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

## CERTIFICATION

*I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.*



OFFICIAL'S NAME

Harold Myers

DATE EXECUTED

April 16, 1999

EXECUTED IN THE COUNTY OF

Sacramento

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

President

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Maxwell Irrigation District

U.S. Department of the Interior

Certifications Regarding Debarment, Suspension and  
Other Responsibility Matters, Drug-Free Workplace  
Requirements and Lobbying

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

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**PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions**

---

*CHECK\_\_IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.*

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
  - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
  - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

---

**PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions**

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*CHECK\_\_IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE*

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

DI-1954  
March 1955  
(This form consolidates DI-1953, DI-1954,  
DI-1955, DI-1956 and DI-1953)

**PART C: Certification Regarding Drug-Free Workplace Requirements**

*CHECK  IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.*

**Alternate I. (Grantees Other Than Individuals)**

- A. The grantee certifies that it will or continue to provide a drug-free workplace by:
- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
  - (b) Establishing an ongoing drug-free awareness program to inform employees about--
    - (1) The dangers of drug abuse in the workplace;
    - (2) The grantee's policy of maintaining a drug-free workplace;
    - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
    - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
  - (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
  - (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
    - (1) Abide by the terms of the statement; and
    - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
  - (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification numbers(s) of each affected grant;
  - (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
    - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
    - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
  - (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).
- B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

River Mile 158.57, on the Sacramento River

Approximately nine miles north of Colusa, CA

Check  if there are workplaces on file that are not identified here.

**PART D: Certification Regarding Drug-Free Workplace Requirements**

*CHECK  IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.*

**Alternate II. (Grantees Who Are Individuals)**

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

**PART E: Certification Regarding Lobbying  
Certification for Contracts, Grants, Loans, and Cooperative Agreements**

CHECK IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT, SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

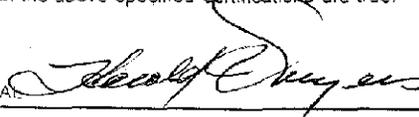
The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL



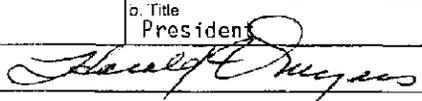
TYPED NAME AND TITLE Harold Myers, President

DATE

April 16, 1999

**APPLICATION FOR  
FEDERAL ASSISTANCE**

OMB Approval No. 0348-0043

1. TYPE OF SUBMISSION: Application <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		2. DATE SUBMITTED April 16, 1999	Applicant Identifier
		3. DATE RECEIVED BY STATE	State Application Identifier
		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
5. APPLICANT INFORMATION			
Legal Name: Maxwell Irrigation District		Organizational Unit: Special District	
Address (give city, county, State, and zip code): P.O. Box 217 35 Oak Street Maxwell, CA 95955		Name and telephone number of person to be contacted on matters involving this application (give area code) Harold Myers (530-438-2773)	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 94-2278480		7. TYPE OF APPLICANT: (enter appropriate letter in box) <input checked="" type="checkbox"/> G A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify)	
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other (specify):		9. NAME OF FEDERAL AGENCY: U.S. Bureau of Reclamation and U.S. Fish & Wildlife Service	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: TITLE: [ ] [ ] - [ ] [ ] [ ] [ ]		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Colusa, Colusa County, CA			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF:	
Start Date 10/99	Ending Date 11/00	a. Applicant Congressman Ose	b. Project Congressman Ose
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$ 00	a. YES. THIS FREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____	
b. Applicant	\$ 00	b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
c. State	\$ 00		
d. Local	\$ 00		
e. Other	\$ 00		
f. Program Income	\$ 00		
g. TOTAL	\$ 427,900	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.			
a. Type Name of Authorized Representative Harold Myers		b. Title President	c. Telephone Number 530-438-2773
d. Signature of Authorized Representative 		e. Date Signed April 16, 1999	

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Standard Form 424 (Rev. 7-97)  
Prescribed by OMB Circular A-102

## INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

- | Item:  | Entry:   |
|--|--|
| 1. Self-explanatory.   | 12. List only the largest political entities affected (e.g., State, counties, cities).   |
| 2. Date application submitted to Federal agency (or State if applicable) and applicant's control number (if applicable).   | 13. Self-explanatory.  |
| 3. State use only (if applicable).   | 14. List the applicant's Congressional District and any District(s) affected by the program or project.  |
| 4. If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank.   | 15. Amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change to an existing award, indicate <i>only</i> the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amounts are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15. |
| 5. Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application.  | 16. Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process.  |
| 6. Enter Employer Identification Number (EIN) as assigned by the Internal Revenue Service.   | 17. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes.  |
| 7. Enter the appropriate letter in the space provided.   | 18. To be signed by the authorized representative of the applicant. A copy of the governing body's authorization for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)  |
| 8. Check appropriate box and enter appropriate letter(s) in the space(s) provided:<br><br>-- "New" means a new assistance award.<br><br>-- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.<br><br>-- "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation. |  |
| 9. Name of Federal agency from which assistance is being requested with this application.  |  |
| 10. Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested.  |  |
| 11. Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet. If appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project.  |  |

SF-424 (Rev. 7-97) Back

### BUDGET INFORMATION -- Construction Programs

OMB Approval No. 0348-0041

*NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.*

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Column a-b)
1. Administrative and legal expenses	\$	\$	\$
2. Land, structures, rights-of-way, appraisals, etc.	\$	\$	\$
3. Relocation expenses and payments	\$	\$	\$
4. Architectural and engineering fees	\$ 64,600	\$	\$ 64,600
5. Other architectural and engineering fees	\$ 14,400	\$	\$ 14,400
6. Project inspection fees	\$ 27,700	\$	\$ 27,700
7. Site work	\$ 5,000	\$	\$ 5,000
8. Demolition and removal	\$ 13,800	\$	\$ 13,800
9. Construction	\$ 254,200	\$	\$ 254,200
10. Equipment	\$ 30,000	\$	\$ 30,000
11. Miscellaneous	\$ 18,200	\$	\$ 18,200
12. SUBTOTAL	\$ 427,900	\$	\$ 427,900
13. Contingencies	\$	\$	\$
14. SUBTOTAL	\$	\$	\$
15. Project (program) income	\$	\$	\$
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 427,900	\$	\$ 427,900
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share). Enter the resulting Federal share.			\$427,900
Enter eligible costs from line 16c Multiply X		%	

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Standard Form 424C (Rev. 4-92)  
Prescribed by OMB Circular A-102

1-013516

1-013516

## INSTRUCTIONS FOR THE SF 424C

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0041), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

This sheet is to be used for the following types of applications: (1) "New" (means a new [previous unfunded] assistance award); (2) "Continuation" (means funding in a succeeding budget period which stemmed from a prior agreement to fund); and (3) "Revised" (means any changes in the Federal government's financial obligations or contingent liability from an existing obligation). If there is no change in the award amount there is no need to complete this form. Certain Federal agencies may require only an explanatory letter to the effect minor (no cost) changes. If you have questions please contact the Federal agency.

**Column a.**--If this is an application for a "New" project, enter the total estimated cost of each of the items listed on lines 1 through 16 (as applicable) under "COST CLASSIFICATIONS."

If this application entails a change to an existing award, enter the eligible amounts *approved under the previous award* for the items under "COST CLASSIFICATION."

**Column b.**--If this is an application for a "New" project, enter that portion of the cost of each item in Column a, which is *not* allowable for Federal assistance in determining the allowability of specific costs.

If this application entails a change to an existing award, enter the adjustment [+ or (-)] to the previously approved costs (from column a.) reflected in this application.

**Column c.**--This is the net of lines 1 through 16 in columns "a." and "b."

Line 1--Enter estimated amounts needed to cover administrative expenses. Do not include costs which are related to the normal functions of government. Allowable legal costs are generally only those associated with the purchase of land which is allowable for Federal participation and certain services in support of construction of the project.

Line 2--Enter estimated site and right(s)-of-way acquisition costs (this includes purchase, lease, and/or easements).

Line 3--Enter estimated costs related to relocation advisory assistance, replacement housing, relocation payments to displaced persons and businesses, etc.

Line 4--Enter estimated basic engineering fees related to construction (this includes start-up services and preparation of project performance work plan).

Line 5--Enter estimated engineering costs, such as surveys, tests, soil borings, etc.

Line 6--Enter estimated engineering inspection costs.

Line 7--Enter estimated costs of site preparation and restoration which are not included in the basic construction contract.

Line 9--Enter estimated cost of the construction contract.

Line 10--Enter estimated cost of office, shop, laboratory, safety equipment, etc. to be used at the facility, if such costs are not included in the construction contract.

Line 11--Enter estimated miscellaneous costs.

Line 12--Total of items 1 through 11.

Line 13--Enter estimated contingency costs. (Consult the Federal agency for the percentage of the estimated construction cost to use.)

Line 14--Enter the total of lines 12 and 13.

Line 15--Enter estimated program income to be earned during the grant period, e.g., salvaged materials, etc.

Line 16--Subtract line 15 from line 14.

Line 17--This block is for the computation of the Federal share. Multiply the total allowable project costs from line 16, column "c." by the Federal percentage share (this may be up to 100 percent; consult Federal agency for Federal percentage share) and enter the product on line 17.

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## ASSURANCES -- CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET, SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. Secs. 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the nineteen statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. Secs. 4801 et seq.) which prohibits the use of lead based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. Secs. 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. Secs. 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. Secs. 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) Secs. 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. Secs. 3601 et seq.), as amended, relating to non-discrimination in the sale, rental or financing of housing; (i) any other non-discrimination provisions in the specific statute(s) under which application for Federal assistance is being made, and (j) the requirements of any other non-discrimination Statute(s) which may apply to the application.

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11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provides for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. Secs. 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. Secs. 276a to 276a - 7), the Copeland Act (40 U.S.C. Secs. 276c and 18 U.S.C. Sec. 874), the Contract Work Hours and Safety Standards Act (40 U.S.C. Secs. 327-333), regarding labor standards for federally assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. Secs. 1451 et seq.); (f) conformity of Federal actions to State (Clear Air) Implementation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. Secs. 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. Secs. 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. Sec. 470), EO 11593 (identification and preservation of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984.
19. Will comply with all applicable requirements of all other Federal laws, Executive Orders, regulations and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	TITLE President
APPLICANT ORGANIZATION Maxwell Irrigation District	DATE SUBMITTED April 16, 1999

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