



ON-FARM WATER CONSERVATION PROGRAM 2012 PROGRAM DESCRIPTION

SOUTH SAN JOAQUIN IRRIGATION DISTRICT



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Background and Objectives

In the early 1900’s, the South San Joaquin Irrigation District’s system was built for flood irrigation. Over the years, the practices of growers have changed as they work to conserve water and to improve crop yields with the installation of more efficient irrigation systems and implementation of advanced farming practices. In recognition of the farmers’ efforts, and to comply with State law regarding agricultural water use, SSJID provides financial incentives to accelerate improvements to the existing distribution system, enhance farm irrigation practices and provide for measurement of water usage. The intent of this Program is to engage as many growers as possible.

SSJID has developed an on-farm water conservation program (Program) to promote and incentivize on-farm physical improvements, irrigation management practices and water measurement (together referred to as Conservation Measures) that promote water conservation. From a Program perspective, water conservation is defined as use of less water to accomplish the same purpose by encouraging the efficient use of District surface water to meet crop water requirements.

SSJID’s goal is to ensure that water is being used efficiently and that it is being put to beneficial use. The District has implemented the on-farm water conservation program in order to work together to achieve the shared water management goals of the growers and the District. The Program also supports ongoing efforts to preserve existing water rights and to comply with current and emerging regulations.

This Program helps the District satisfy the new regulatory requirements of California Senate Bill SBx 7-7, which took effect January 1, 2010 and mandates measurement of individual farm deliveries and implementation of Efficient Water Management Practices (EWMPs) including both District and on-farm improvements. Additionally, it is anticipated that this Program will enhance the control of available surface water and groundwater supplies while promoting improved crop production within SSJID. This program, along with other initiatives the District is evaluating, will provide improved farm delivery measurement and support compliance with SBx 7-7.

A focused set of conservation measures have been included in the Program. In addition, a provision has been included for growers to propose other conservation measures they believe will result in improved water management on their fields, subject to District approval. In future years, additional conservation measures may be added based on experience with the Program.

Cost shares made available by the Program have been approved for the 2012 growing season. This document provides a detailed description of the 2012 Program to be implemented in November 2011. Cost share offerings for implementation of conservation measures for 2013 will be the subject of future Board decision. For the 2012 Program, participants will be eligible for cost share payments for conservation measures implemented after the Program start date of Monday, November 7, 2011. Applications will be available and accepted on the start date.

Enrollment Process

Solicitation and Application Process

The program will be launched in November 2011 through a mailing to SSJID water users and an announcement on the SSJID web site.

Growers are invited to submit applications for one or more fields (Appendix A). For each field, the grower will select one or more conservation measures for implementation from a pre-approved list. Additionally, growers may propose additional conservation measures of their choosing. Fields will be selected by the District for implementation individually from each application provided that they are complete, pass minimum eligibility requirements, and provided that funding is available, as described in the following sections. Additionally, for some conservation measures (conversion from flood to sprinkler or drip/micro irrigation and grower proposed conservation measures not included on the preapproved list) the application will be reviewed to ensure compatibility with the SSJID distribution system and operations. The District reserves the right to restrict the amount of participation by a particular grower or a particular field.

As mentioned above, each application must be complete to be considered for inclusion in the Program. A complete application will have all applicable portions of the application filled in and, in the case of grower-proposed conservation measures, complete applications will include sufficient documentation to support evaluation of the conservation measure by the District. Required documentation for grower-proposed conservation measures is described later in this Program Description under Grower Proposals.

For additional information, contact Program Manager Julie Vrieling at (209) 249-4675 or email jvrieling@ssjid.com.

Eligibility Requirements

The following eligibility requirements apply to all fields applying to enter the Program.

- **Minimum Field Size** – The minimum field size for inclusion in the Program is 10 acres, based on the net irrigated acreage of the field. The 10-acre threshold is additionally the acreage above which the recharge fee applies to fields within the District.

Growers with fields less than 10 acres in size may submit an application. The District will evaluate whether there is sufficient potential for water conservation to be achieved to warrant the administrative time required to include the field in the Program. Proposals to enroll fields less than 10 acres in size will be evaluated on a case by case basis.

- **Current SSJID Water User** – For a field to be eligible for the Program, it must be or become a current SSJID surface water user as a condition to approval of any funding. For physical improvements, the participant agrees to use SSJID surface water for a period of not less than 5 years.
- **Water Charges Current** – At the time of enrollment, all of the grower’s SSJID water charges must be or become current.
- **On-Farm Measurement** – For fields entering the Program with pumped deliveries, the participant agrees to install a meter to measure farm deliveries, in accordance with the conservation measure Delivery Measurement for Pumped Deliveries, as described in this document, including any reconfiguration of the pump discharge needed to facilitate accurate measurement while maintaining the pump flow rate. The participant will agree to perform repairs, maintenance, or replacement of water measurement devices as needed to ensure accurate measurement into the future.

The participant agrees to allow SSJID to periodically record flow rate and delivery amounts using the meter and, at the District’s option, to perform repairs, maintenance, or replacement as needed to ensure accurate measurement into the future. Additionally, all participants agree to allow meters to be installed by the District on a case-by-case basis for flood deliveries, if the District determines that site conditions support accurate delivery measurement.

- **Satisfactory Performance in Prior Programs** – If applicable, applications may be denied due to less than satisfactory performance in prior District programs.
- **Cost Share** - The District’s maximum share of cost will be a set percentage of the participant’s implementation cost, up to the maximum approved cost share.
- **Program Award/Modification** – the District will review and select applications for participation in the Program based on its determination of which applications best meet

the Program objectives. The District may modify the terms for participation in the Program at any time, but will not reduce its commitment applicable to a particular field after a participant has received notice of approval from the District.

Selection Process

Fields will be considered on a first-come, first-served basis. An application will be considered approved when the District issues written notice of approval to the applicant at the address specified on the application. The terms of approval and the conditions for District payment will be stated in the notice. Fields will be considered for approval until available funds allocated to each conservation measure of the Program are fully committed for each year, based on the assumption that actual reimbursement costs for cost share payments, as described later in this document, will be the maximum allowable payment per field. If after actual payments are made remaining funds are available, additional fields will be considered in the order in which their applications were received.

In order to encourage adoption of a variety of conservation measures, a total budget will be allocated for each conservation measure, including grower-proposed measures and District-provided valve packing services, as described in the Budget Tracking section of this document.

Approved conservation measures must be completed within 1 calendar year of the date of approval to be considered eligible for cost share payments. Requests for reimbursement must be submitted to the District within the 1 year period. Conservation measures started prior to the approval date are not eligible for cost share payments.

Conservation Measures

Conservation measures as described herein are classified as either physical improvements or management practices. Physical improvements include conservation measures involving substantial physical changes to a field. Management practices include collection of information and development of recommendations to aid in improved irrigation management to meet crop water needs.

All measures must be constructed or implemented according to Program standards prior to receiving reimbursement. For physical improvements, all measures must have been inspected and approved by SSJID staff prior to reimbursement. For management practices, payment will be made following the receipt of operational reports (soil moisture monitoring data and/or irrigation scheduling recommendations) under the provision that service provider will provide these data for the full irrigation season for which the field is enrolled in the Program. For both physical improvements and management practices, documentation of costs must be provided to the District's satisfaction prior to reimbursement.

As described in the Background and Overview section of this Program Description, for the 2012 Program, participants will be eligible for cost share payments for conservation measures implemented after the Program start date of November 7, 2011.

Physical Improvements

Delivery Measurement for Pumped Deliveries

Delivery measurement for pumped deliveries consists of installing a flow meter to measure SSJID water deliveries for existing or new pumped SSJID deliveries. In some cases, the existing pump discharge piping may need to be reconfigured to provide an adequate straight section of pipe without bends or other obstructions to allow for accurate flow measurement using a flow meter.

This conservation measure is applicable to any case in which SSJID water is delivered to a pump that pressurizes irrigation water for application via a sprinkler, drip, or micro system. Minimum standards for the measure are:

- Seametrics AG2000 Irrigation Magmeter, McCrometer Ultra Mag flow meter, or approved equal
 - Installed with at least 3 diameters of straight pipe upstream of meter and 2 diameters of straight pipe downstream of meter (see Figure 1)
 - Provided with continuous power supply
 - Equipped with telemetry hardware allowing integration to the District's Supervisory Control and Data Acquisition (SCADA) System
 - Equipped with an internal datalogger¹
- The participant agrees to perform repairs, maintenance, or replacement of water measurement devices as needed to ensure accurate measurement into the future.
- The participant agrees to allow the District to record delivery flow rates and volumes periodically for the life of the meter and to allow the District, at its option, to perform any repair, maintenance, or replacement, as needed to ensure accurate measurement into the future.
- The land owner must sign an SSJID agricultural Meter Service Agreement (Appendix C) as part of implementation of this conservation measure.
- The participant agrees to allow the District, at its option, to install telemetry, including but not limited to a solar panel, mast, antenna and other necessary equipment to remotely monitor delivery flows using the flow meter.

¹ For the McCrometer Ultra Mag flow meter, an external datalogger is required and is subject to approval by SSJID.

(X = pipe diameter)

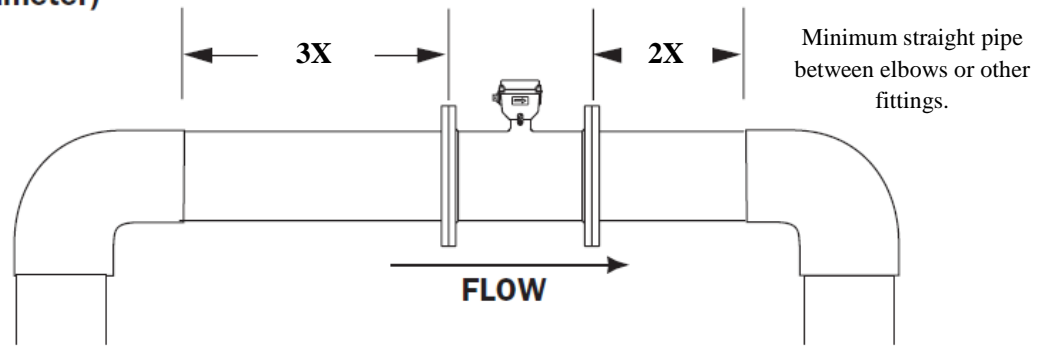


Figure 1. Example Magnetic Flow Meter Installation.

This measure will be included with any participating fields installing a sprinkler or drip irrigation system as described under the following conservation measure. All growers implementing this measure are required to agree to allow the District to read the flow meter periodically for purposes of delivery record keeping for the life of the device.

The estimated cost for planning purposes is \$5,650 per location based on the estimated purchase and installation cost of a 12" mag meter, plus a contingency to allow for re-plumbing of pipe discharge to allow for adequate length of straight pipe to install the meter in some cases.

The District's cost share for delivery measurement of pumped deliveries will be 80% of the actual cost, not to exceed \$4,500.

Conversion from Flood to Sprinkler or Drip/Micro Irrigation

Conversion from flood to sprinkler or drip irrigation consists of installing a sprinkler, drip, or microspray irrigation system on an existing field that is currently flood irrigated. The conservation measure includes installation of the pump, filtration, mainlines, laterals, and emitters for the system. Adoption of this conservation measure additionally requires installation of an SSJID approved sump to allow for pumping of canal water along with adoption of the conservation measure Delivery Measurement for Pumped Deliveries, described previously.

Conversion from flood to sprinkler or drip irrigation is generally applicable throughout SSJID, except where delivery system physical and operational constraints limit the District's ability to meet the delivery needs of sprinkler or drip/micro systems. Although the primary crops currently irrigated using sprinkler or drip irrigation are trees and vines, this conservation measure could also apply to the installation of a sprinkler system to irrigate pasture or field crops, for example. **Applications for conversion to sprinkler or drip/micro irrigation will be evaluated on a case by case basis to determine whether the District can continue to provide canal water to meet crop water needs following irrigation system conversion. Only fields located such that the District can supply surface water at the flow rate and irrigation intervals required after conversion will be approved.**

Minimum standards for this measure have been identified based on the NRCS Conservation Practice Standards listed in Table 1, below. These standards are included in Appendix B of this document.

Table 1. NRCS Conservation Practice Standards Applicable to Conversion from Flood to Sprinkler or Drip Irrigation.

NRCS Conservation Practice Standard	Applies to Conversion from Flood to:	
	Sprinkler	Drip or Micro
Irrigation System, Sprinkler (442)	✓	
Irrigation System, Microirrigation (441)		✓
Pumping Plant (533)	✓	✓
Underground Plastic Pipe (430DD and 430EE, as applicable)	✓	✓

Additionally, the following requirements developed by SSJID shall apply:

- No filters may back flush to District pipelines or open canals
- Each system must be designed by an Irrigation Association Certified Irrigation Designer
- Design Distribution Uniformity must be at least 75% for sprinkler systems and at least 90% for drip or micro systems
- Participants are responsible for submitting an Application for Structure Permit and constructing a District-approved sump prior to receiving reimbursement for system installation costs under this conservation measure.

The estimated cost for conversion from flood to sprinkler or drip/micro for planning purposes is \$1,650 per cropped acre based on estimated materials and installation costs of a complete system including pump, filtration, mainlines, laterals, and emitters. The estimated costs are based on discussion with local irrigation suppliers and review of NRCS EQIP cost estimates.

Reimbursement for sump costs will be made separately through the ongoing District sump program. Reimbursement for flow meter costs will be made separately under the Program based on the Delivery Measurement for Pumped Deliveries conservation measure, described previously.

The District’s cost share for conversion from flood to sprinkler or drip irrigation will be 50% of the actual cost, not to exceed \$825 per cropped acre. Additionally, the cost share payment will be limited to a maximum of \$25,000 per grower for each measure. Conversion from flood to

drip and conversion from flood to sprinkler are considered different measures for purposes of determining the maximum cost share per grower for each measure. As described, this cost share does not include installation of a sump or delivery measurement for pumped deliveries, which will be treated separately.

In addition to conversion from flood to sprinkler or drip/micro irrigation, the District may consider conversion of sprinkler to drip/micro irrigation or replacement of old sprinkler or drip/micro systems.

Tailwater Recovery Systems to Prevent Runoff

Tailwater Recovery Systems to Prevent Runoff consist of systems to collect and convey tailwater to the head of the field from which the tailwater was generated or another nearby field for the purpose of recovering and reapplying the tailwater to supplement irrigation deliveries. For this Program, tailwater recovery systems are targeted at fields that periodically drain tailwater back into the SSJID distribution system where it currently is delivered to a downstream user or spills from the system. SSJID discourages and in the future may no longer allow drainage of tailwater into the distribution system. This conservation measure applies to any field for which tailwater is produced during irrigation that drains back to the SSJID irrigation system. It is anticipated that this only occurs for flood irrigated fields.

Minimum standards for this measure have been identified based on the NRCS Conservation Practice Standards for Irrigation System, Tailwater Recovery (447), Pumping Plant (533), and Underground Low Pressure Plastic Pipe (430EE), included in Appendix B of this document.

The estimated cost of tailwater recovery systems for planning purposes is \$1,200 per cropped acre based on estimated materials and installation costs of a complete system including tailwater pond, tailwater return pipeline, and pump. The estimated costs are based on estimated quantities and unit costs for system components and based on review of NRCS EQIP cost estimates.

The District's cost share for tailwater recovery systems will be 50% of the actual cost, not to exceed \$600 per cropped acre. Additionally, the cost share payment will be limited to a maximum of \$25,000 per grower for this measure.

The District will also consider grower proposals to reduce drainage through laser land leveling and deep ripping, for example. Interested growers may submit a proposal as described under "Grower Proposals," included later in this document.

Management Practices

Scientific Irrigation Scheduling

Scientific Irrigation Scheduling consists of the determination of the frequency, rate, and duration of irrigation application needed to meet crop water requirements while minimizing excess

tailwater and deep percolation. Typically, this determination is based on a combination of soil moisture monitoring and root zone water balance calculations based on estimates of crop water use (evapotranspiration, or ET). Scientific irrigation scheduling is applicable to all irrigated crops, regardless of irrigation system type or soil conditions.

In most cases, the optimum frequency, rate, and/or duration of irrigation is constrained by available water supply, the delivery system, the soil, or the irrigation system itself. In the case of SSJID, the delivery frequency and flow rate are generally fixed under current system operation, providing flexibility almost exclusively in the duration of irrigation.

Under the Program, the District requires that scientific irrigation scheduling be conducted by approved service providers using proven technologies. Additionally, the District requires that irrigation recommendations be submitted to both the participating grower and to the District by the service provider. To request a list of preapproved service providers, contact Julie Vrieling at (209) 249-4675 or email jvrieling@ssjid.com.

The estimated cost of scientific irrigation scheduling for planning purposes is \$3,000 per field per season, which represents the average seasonal cost for a consulting service to provide irrigation recommendations for an individual field based on discussion with consultants serving the San Joaquin Valley. The difference in cost between consultants depends largely on whether continuously recording soil moisture monitoring equipment is installed in the field; costs will likely be substantially less for weekly field visits using portable soil moisture monitoring equipment.

Unlike physical improvements, the District will pay a portion of the total cost of the scientific irrigation scheduling service directly to the service provider. The portion that the District is willing to pay will be a one-time payment of 75% of the actual cost, not to exceed \$2,250 per field for 2012. The maximum payment for Scientific Irrigation Scheduling for 2012 will be limited to \$5,000 per grower.

Soil Moisture Monitoring

Soil Moisture Monitoring consists of tracking the moisture content of the crop root zone over the course of the growing season to evaluate whether irrigation practices are sufficient to maintain adequate soil moisture content while limiting excess deep percolation. Soil moisture monitoring is a key component of scientific irrigation scheduling and is applicable to all irrigated crops, regardless of irrigation system type or soil conditions. For the Program soil moisture monitoring is offered as a stand-alone conservation measure to assist growers in tracking soil water content, or it may be implemented as part of scientific irrigation scheduling, described previously.

Under the Program, the District requires that soil moisture monitoring be conducted by approved service providers using proven technologies. Additionally, the District requires that duplicate soil moisture monitoring reports be submitted to both the participating grower and to the District

by the service provider. To request a list of preapproved service providers, contact Julie Vrieling at (209) 249-4675.

The estimated cost of soil moisture monitoring for planning purposes is \$1,500 per field per season, which represents the average seasonal cost for an agronomic consulting service to provide soil moisture monitoring reports for an individual field. The estimated costs are based on discussion with agronomic consultants serving the San Joaquin Valley. The difference in cost between providers depends largely on whether continuously recording soil moisture monitoring equipment is installed in the field; costs will likely be substantially less for weekly field visits using portable soil moisture monitoring equipment.

Unlike physical improvements, the District will pay a portion of the total cost of the soil moisture monitoring service directly to the service provider. The portion of the cost incurred that the District is willing to pay will be 75% of the actual cost, not to exceed \$1,125 per field for 2012. The maximum payment for Soil Moisture Monitoring for 2012 will be limited to \$5,000 per grower.

District Services

Valve Packing

Valve packing is a service that was traditionally provided by the District to repack irrigation valves to reduce valve leakage. Valve packing is applicable wherever large flood irrigation valves installed on District pipelines are used. Growers are to make arrangements to have their valves packed by contacting Julie Vrieling at (209) 249-4675. District staff will repack the valves. Valves will be packed according to manufacturer specifications, if applicable.

Growers will be charged a fee for valve packing to cover District labor and materials costs for repacking the valves. Additionally, the grower is responsible for the removal and reinstallation of the valve, as well as delivery to and pickup from the District. The District may restrict the availability of this service depending on the availability of personnel.

Grower Proposals

Overview

As part of the Program, growers are given the opportunity to submit proposals for District cost share to implement conservation measures in addition to those described previously. These proposals will be evaluated on a case by case basis as described below. The allowance for individual grower proposals provides flexibility in the types of conservation measures included. These measures could include laser land leveling, deep ripping, installation of pipelines to replace open ditches, or other measures identified by the applicant as effective water conservation measures for his or her field.

Proposal Requirements

Grower proposals to implement conservation measures not listed previously must include the following information:

- Description of conservation measure to be implemented, including a description of all physical changes to the field and corresponding irrigation management changes
- Itemized cost list giving estimated costs of major system components, with supporting documentation if available
- Sketch of field showing field location and physical changes to field, if applicable
- Description of how the proposed conservation measure will result in water conservation

Evaluation Criteria

Proposals for additional conservation measures will be evaluated by SSJID staff based on the following considerations:

- Completeness of proposal – the proposal must include the requested information at a sufficient level of detail to allow for evaluation by the District.
- Demonstrated effectiveness – the proposed conservation measure must be based on a demonstrated method of reducing deep percolation, tailwater, or other losses (i.e., seepage from farm ditches or evaporation). The proposed measure must be demonstrated conclusively in the SSJID area or other areas with sufficiently similar conditions, and it must be suitably applied. The District may consider new innovations, provided that they are accompanied by a clear description of how the measure will result in water conservation.
- No special administrative requirements – the proposed measure must not cause a burden to SSJID with respect to the continued delivery of irrigation water or to the administration of the Program. The measure must be observable to ensure that implementation of the measure can be documented for verification purposes.

Applicable Standards and Specifications

Proposed measures must be implemented to existing industry standards (e.g., NRCS conservation practice standards), to the extent that established standards exist. In all cases, SSJID may place requirements on measure implementation to ensure that the measure has the potential to be effective and does not provide an undue burden on SSJID water delivery practices or Program administration. Standards will be identified on a case by case basis but will be applied uniformly to all fields proposing to implement a given conservation measure.

Determination of Estimated Costs and Cost Share Amounts

Estimated conservation measure costs will be developed by reviewing grower estimates of costs along with other available sources including NRCS cost share lists and information from

irrigation equipment providers or other appropriate sources. Cost share percentages will be determined by SSJID staff on a case by case basis but will be applied uniformly to all fields proposing to implement a given conservation measure. Cost share percentages will be set in part based on relative benefits to the grower and to the District of implementing the measure. In general, it is anticipated that physical improvements will be funded at up to 50% of implementation cost, and management practices will be funded at up to 75% of implementation cost, but the particular cost share will be determined on a case by case basis. In all cases, cost share amounts will be limited based on the estimated implementation cost, which will be determined by staff before the proposal is approved. Additionally, the cost share payment will be limited to a maximum of \$25,000 per grower for this measure.

Maximum Cost Share Payment per Grower

In addition to the payment limitations described previously for each conservation measure, the total cost share for 2011 for all fields enrolled by a grower will be limited to \$50,000.

Interaction with Other, Non-District Programs

Other Programs may provide cost share payments for implementing conservation measures included in this Program. For example, programs offered by the Natural Resources Conservation Service of the USDA, such as the Environmental Quality Incentives Program (EQIP), offer cost share of 50% (or more in some cases) to cover the cost of installing sprinkler systems, drip/micro systems, tailwater recovery systems, or other on-farm improvements.

Participation in the SSJID On-Farm Water Conservation Program does not prevent growers from participating in EQIP or other Federal programs. Similarly, participation in EQIP or other Federal programs does not prevent participation in the SSJID On-Farm Water Conservation Program.

Budget Tracking

The total budget for cost share payments is \$1.14 million for 2012. Initially, cost share amounts will be allocated for each conservation measure as described in Table 2.

Table 2. Initial 2012 Budget Amounts by Conservation Measure Category.

Conservation Measure Category	2012 Budget by Conservation Measure
Physical Improvements	
Delivery Measurement for Pumped Deliveries	\$ 190,000
Conversion from Flood to Sprinkler or Drip/Micro	\$ 475,000
Tailwater Recovery Systems to Reduce Runoff	\$ 190,000
Management Practices	
Scientific Irrigation Scheduling	\$ 47,500
Soil Moisture Monitoring	\$ 47,500
Grower Proposals	\$ 190,000
TOTAL	\$ 1,140,000

The budget amounts will be reviewed periodically and may be adjusted based on the number of applications received for each conservation measure at the discretion of the Program Manager.

As applications for participation are received, they will be added to a list in the order they are received. At any given time, the applications subject to review and approval will be limited to those for which the total potential cost share is less than the total available budget by conservation measure category. If upon review, the District does not approve an application, the associated cost share will be released to fund applications received later within that category. As documentation of actual costs is received by the District from participating growers, the difference between the cost share limit and the actual cost share amount paid for each category, if any, will likewise be released to fund applications received later in the order in which they were received.

Payment Approval and Processing

Upon receipt of a request for payment and documentation showing actual payment of the incurred conservation measure implementation costs from an approved applicant, the District will verify that the measure has been implemented (as described in the following section) and payment will be issued based on the Program cost share percentage for the measure or measures implemented and based on the actual cost, not to exceed the cost share limit for the measure or measures.

Requests for reimbursement must be accompanied by documentation of implementation costs, including invoices and receipts from equipment and service providers, along with proof of payment. Costs incurred by the grower internal to his or her operation that are associated with the installation of the conservation measure are not considered eligible for reimbursement.

Payments will be issued as a separate check to the participating grower, rather than as a reduction in water charges. It is anticipated that payment will be made within 30 days of the District's verification that the measure was implemented.

Monitoring and Verification

Monitoring and verification of implementation of conservation measures will be accomplished through a combination of documentation of implementation costs (receipts and payments) and operational reports (flow measurement records, soil moisture monitoring reports, and irrigation recommendations), along with field visits to verify that physical improvements are implemented according to Program standards. Additionally, the District will seek feedback from participating growers in the form of interviews or questionnaires with the objective of evaluating the Program and documenting changes to irrigation practices resulting from conservation measure implementation.

APPENDIX A: Application for Program Participation

For District Use Only

Date Received: _____

APPLICATION FOR ON-FARM WATER CONSERVATION PROGRAM

1. Applicant/Landowner name _____ email _____
 2. Mailing address _____
 3. Telephone # _____
-
-

Complete one application for each field to be included in the Program. All measures must be implemented after the application approval date and completed within 1 year to be eligible for reimbursement.

SUBMIT COMPLETED APPLICATION TO SSJID

1. A detailed design plan and cost estimate must be submitted with applications including physical improvements to a field.
2. Your application will be reviewed and processed according to District policy and as described in the Program Description. A determination will be made as to the eligibility and potential effectiveness of the proposed conservation measure or measures for each field, and a recommendation will be made to the General Manager, Jeff Shields.
3. Following review, you will be sent a letter summarizing the conservation measures approved for implementation for each field application and if applicable, provide explanation of why any fields or conservation measures were not approved.
4. **COST SHARE PAYMENTS ARE NOT GUARANTEED UNTIL YOUR APPLICATION HAS BEEN APPROVED.**
5. If you have any questions concerning your application please feel free to contact Julie Vrieling at (209) 249-4675.
6. By signing below, you agree to implement the conservation measures described in this application and to abide by all Program requirements as described in the Program Description.

APPLICANT/LANDOWNER SIGNATURE _____

DATE _____

APPLICATION FOR ON-FARM WATER CONSERVATION PROGRAM (CONTINUED)

BASIC INFORMATION

- 1. Applicant/Landowner name _____
- 2. Assessor's Parcel Number (APN) _____
- 3. SSJID Delivery Location (example: Lateral "Wc", Station 120) _____
- 4. Field size¹ (acres) _____
- 6. Crop _____

PROPOSED PHYSICAL IMPROVEMENTS

(Select up to one of the following by entering an "X" to the right of the description)

- 1. Delivery Measurement for Pumped Deliveries _____
- 2. Conversion from Flood to Sprinkler Irrigation² _____
- 3. Conversion from Flood to Drip/Micro Irrigation² _____
- 4. Tailwater Recovery System to Prevent Runoff _____

PROPOSED MANAGEMENT IMPROVEMENTS

(Select up to one of the following)

- 1. Scientific Irrigation Scheduling _____
- 2. Soil Moisture Monitoring _____

OTHER CONSERVATION MEASURES³

For other conservation measures, attach one or more sheets including the following information as described in the Program Description:

- Description of conservation measure to be implemented, including description of physical changes to the field and irrigation management changes
- Sketch of field showing field location and physical changes to field, if applicable
- Description of how the proposed conservation measure will result in water conservation

Have you applied for funding for these conservation measures under any other programs, such as NRCS EQIP?
Yes ___ No ___

APPLICANT/LANDOWNER SIGNATURE _____ **DATE** _____

¹ Fields less than 10 acres in size will be considered for participation on a case-by-case basis based on the potential to achieve water conservation as described in the Program Description.

² Conversion from flood to sprinkler or drip/micro must include the delivery measurement for pumped deliveries conservation measure.

³ Other conservation measures will be considered as described in the Program Description.

APPENDIX B: Applicable NRCS Conservation Practice Standards

The following NRCS Conservation Practice Standards are attached:

1. Irrigation System, Sprinkler (442)
2. Irrigation System, Microirrigation (441)
3. Pumping Plant (533)
4. Irrigation Pipeline (430)
5. Irrigation System, Tailwater Recovery (447)

**APPENDIX C: Consent to South San Joaquin Irrigation
District's Entry of Property to Read and Owner's
Agreement to Maintain Flow Meter**

AFTER RECORDING RETURN TO:

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

P.O. Box 747

Ripon, CA 95366

CONSENT TO
SOUTH SAN JOAQUIN IRRIGATION DISTRICT'S
ENTRY OF PROPERTY TO READ
AND OWNER'S AGREEMENT TO MAINTAIN FLOW METER

The undersigned owner of the property located at _____, APN _____ ("Property") and further described in the attached Exhibit "A", has, with the financial assistance of South San Joaquin Irrigation District ("District"), installed a flow meter to measure deliveries of District surface water to the Property. State law requires that starting in July 2012, the District base its water charges, at least in part, on the quantity of water it delivers. The District will use flow meter measurements in future water charges after its Board of Directors approves a policy that requires water charges be based at least in part on the measurement of quantity delivered.

Owner consents to the entry of District officers, employees or agents ("District Personnel") on the Property for the purposes of inspecting and reading the flow meter installed to measure deliveries of District surface water to the Property. District Personnel may enter the Property at any reasonable hour and on a monthly basis or at such other time as District reasonably determines to be necessary, to inspect the working condition of the meter and to record water usage. District shall also be permitted to enter the Property for the purpose of installing telemetry control hardware to the meter such that the meter can be read remotely. District Personnel may enter the Property outside any District easement area using marked District vehicles on available access roads, on foot or as Owner and District may otherwise agree. District shall use reasonable care to avoid interfering with Owner's farming operations.

Owner agrees to take no action that would prevent the meter from accurately measuring the volume of District surface water delivered to Owner's Property. If District determines that the meter is nonfunctioning, Owner agrees to repair or replace the meter at Owner's expense.

This Consent shall remain in effect until such time as deliveries of District surface water to the Property shall terminate as evidenced by recordation of an Irrigation Service Abandonment Agreement signed by District and Owner or Owner's success or in interest.

This Consent shall run with the land described above and be binding on Owner and Owners' heirs, successor and assigns.

SOUTH SAN JOAQUIN IRRIGATION DISTRICT
"DISTRICT"

By _____	Date: _____	By _____	Date: _____
John Holbrook, President		Jeff Shields, Secretary	
Board of Directors		Board of Directors	

"OWNER(S)"

By _____	Date: _____	By _____	Date: _____
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Mailing Address: _____

Phone Number: _____

SIGNATURES MUST BE NOTARIZED AND BE PER RECORDED DEED