

Reclamation District 1004 Water Measurement Program

Prepared for

Reclamation District 1004

October 2016



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Acronyms and Abbreviations

RD 1004 or District Reclamation District 1004

Reclamation Bureau of Reclamation

Regional Criteria *Regional Criteria for Evaluating Water Management Plans for the Sacramento River Contractors*

Reclamation District 1004

Water Measurement Program

Purpose

This report describes measurement, pricing, and billing practices within Reclamation District 1004 (RD 1004 or District) in accordance with the provisions of its Settlement Contract and the measurement requirements of the Central Valley Project Improvement Act and the *Regional Criteria for Evaluating Water Management Plans for the Sacramento River Contractors* (Regional Criteria) (Bureau of Reclamation [Reclamation], 2004).

Background

As identified in the *Sacramento River Basinwide Water Management Plan* (California Department of Water Resources, 2003), water measurement is considered to be a fully implemented water conservation measure within RD 1004. The District’s diversions from the Sacramento River and Butte Creek are measured. Flows in canals and laterals are also measured at intermediate points, such as road culverts. Meters have been installed on most of the lift pumps that comprise the District’s recirculation system. In addition, flowmeters were installed on all RD 1004 customer turnouts, and volumetric pricing has been in place since 1994.

Current Measurement Practices

Table 1 summarizes the District’s measurement devices.

Table 1. Summary of Measurement Devices
Reclamation District 1004 Water Measurement Program

Measurement Type	Number	Estimated Accuracy ^a	Reading Frequency	Maintenance Frequency
Sacramento River Diversions				
Propeller meters	5	±4%	Biweekly by District; monthly by Reclamation	Annually or as needed
Sontek Flowmeters	4	±4%		Annually or as needed
Butte Creek Diversions				
Mace Flowmeters	4	±3%	Biweekly	Annually or as needed
Canal/Laterals				
Mace Flowmeters	4	±3%	Biweekly	Annually or as needed
Recirculation Pumps				
Mace Flowmeters	4	±3%	Biweekly	Annually or as needed
Customer Delivery/Turnouts				
Propeller meters	127	±4%	Approximately every 2 days	Annually or as needed

^a Estimated accuracy is based on manufacturer information for devices properly installed and maintained.

River Diversions

The District's diversions from the Sacramento River are measured by using flowmeters installed and maintained by Reclamation. The flowmeters provide instantaneous flow rate and volumetric data. The flowmeters are read and data recorded at least monthly by Reclamation. Maintenance and calibration of the flowmeters are performed by Reclamation in accordance with their standard operating procedures.

Diversions from Butte Creek are measured by using flowmeters installed and maintained by the District. The flowmeters are read and data recorded at least monthly by the District. Maintenance and calibration of the flowmeters are performed by the District in accordance with the manufactures' specifications and recommendations.

Lateral Measurement

Flows in canals and laterals are measured at intermediate points, such as road culverts, by using flowmeters equipped with totalizers. Meters have also been installed on most of the lift pumps that comprise the District's recirculation system. The flowmeters are read and data recorded at least monthly by the District. Maintenance and calibration of the flowmeters are performed by the District in accordance with the manufactures' specifications and recommendations.

Turnout or Field-level Measurement

Flowmeters have been installed on all RD 1004 customer turnouts since 1994. The flowmeters are read and cleaned, and data are recorded approximately every 2 days while deliveries are being made. District staff compile the data and bill customers for the volume of water delivered. District staff maintain and calibrate the flowmeters in accordance with the manufactures' specifications and recommendations.

Pricing and Billing

The District's customers are subject to two charges each year: a standby charge and a water charge. The standby charge is a per-acre charge and applicable to all lands within District boundaries. Those who order water are also charged for the volume of water delivered. Water users or customers apply for water in March prior to the beginning of the irrigation season. Water orders identify the field acreage and crop to be irrigated. Copies of the 2013 water order and a sample bill are provided in Appendix A, and the District Rules and Regulations are provided in Appendix B

References

Bureau of Reclamation (Reclamation). 2004. *Regional Criteria for Evaluating Water Management Plans for the Sacramento River Contractors*.

California Department of Water Resources. 2003. *Sacramento River Basinwide Water Management Plan*. January.

Appendix A

Sample Bill

08/05/2013

Reclamation District No. 1004
317 4th Street
Colusa, CA 95932

Water Use Statement

*Barale Ranch
P. O. Box 935
Alamo, Ca
94507*

Meter Reading Date:

07/31/2013

<i>Field #</i>	<i>Beginning Meter Reading</i>	<i>Current Meter Reading</i>	<i>Y-T-D Adjustments</i>	<i>Total Acre Feet Used</i>	<i>Water Charges</i>	<i>Water Deposits</i>	<i>Deposit Balance or (Amount Owed)</i>
160	0	198	0	198	\$2,227.50	\$1,032.37	(\$1,195.13)
161	0	0	0	0	\$0.00	\$565.41	\$565.41
162	0	0	0	0	\$0.00	\$880.47	\$880.47
<i>Total Balance:</i>				198	\$2,227.50	\$2,478.25	\$250.75

Appendix B
Reclamation District 1004
Rules and Regulations

RULE 27 – DISTRICT CANALS AND FACILITIES ARE NOT FOR RECREATION OR OTHER UNAUTHORIZED USES

The District's canals/laterals and facilities shall be used solely for the purposes of conveying water for use on land, and for conveying drainage water away from the land. The use of District canals/laterals for recreation or other unauthorized purposes is prohibited.

Landowners and water users are urged to prevent the use of District canals/ laterals and their banks, as well as any pumping structures and bridges, for recreation, swimming, play or other unauthorized purposes. These areas present hazards, as the water may be cold, swift and deep. Turbulence in and around culverts and pumping facilities also present Eminent danger.

RULE 28 – COMPLAINTS

All complaints regarding service, lack of water or other unsatisfactory conditions shall be communicated by the landowner or water user directly to the District Manager. It will be the responsibility of the Manager to bring the matter before the Board of Trustees at the next regular board meeting. Decisions may be appealed to the district board at a regular meeting after appropriate opportunity has been provided the Manager to respond.

RULE 29 – AMENDMENT AND OTHER CHANGES

These Rules and Regulations are subject to amendment, modification, repeal or other variation at any time or from time to time at the discretion of the Board of Trustees.

29A. Amendment: In accordance with District rules #4 and #6, customers may not commence taking water until their paperwork is complete, the deposits have been paid and the District has received proper notification and confirmation. These requirements will insure water orders can be filled, diversions match supply and there is no disruption with existing deliveries. Water users north of the California Levee are required to notify the district manager a minimum of twenty-four hours and water users south of the California Levee are required to notify district manager a minimum of forty-eight hours in advance of water demands and curtailments. Water users commencing service prior to the completion of the required paperwork, payment of the water deposit and authorization from the district manager will be subject to the turnout (s) being chained and a \$300.00 fine per occurrence.

RULES AND REGULATIONS

**GOVERNING THE USE
AND
DISTRIBUTION OF WATER
IN**

**RECLAMATION DISTRICT NO. 1004
AND FIXING CHARGES PURSUANT TO
SECTION 50911 OF THE CALIFORNIA WATER CODE**

Preamble

These Rules and Regulations have been adopted by the Board of Trustees under the authority of the California Water Code, and are part of the law governing this District, and it's landowners and water users. These Rules and Regulations have been adopted to ensure the orderly, efficient, and equitable distribution, use, and conservation of the District's water resources.

Revision Date

~~June 21st, 2013~~

RECLAMATION DISTRICT NO. 1004

BOARD OF TRUSTEES

Jack Baber	Chairman
Edwin Hulbert	Vice Chairman
Jeff Moresco	Trustee
Roger Borrell	Trustee
Frank Rogers	Trustee

DISTRICT EMPLOYEES

Cameron Kelly Boyd	General Manager
Barbara J. Sachs	Office Manager/Sec. to Board of Trustee's
Wayne Montz	Meter Specialist
Steve Crawshaw	Operations Assistant

AFTER HOUR EMERGENCIES

General Manager	(530) 682-0050
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DISTRICT OFFICE

317 4th Street
Colusa, CA 95932
Phone: (530) 458-7459
Fax: (530) 458-4276

DISTRICT SHOP

7625 Gridley-Colusa Hwy
Colusa, CA 95932
Phone/Fax: (530) 458-4220

or charge, when due, or interference with the performance of the duties of any official or employee of the District shall be sufficient cause for shutting off the water from any such offender. Except in cases of emergencies, the Manager will attempt to notify the irrigator in person, by telephone, or in writing prior to shutting off the water supply together with advice as to the violation requiring that termination. Water will not again be furnished until, in the opinion of the Manager, full compliance has been made with all of the requirements hereof.

RULE 26 – NON LIABILITY OF DISTRICT

- a. Private laterals. The District will not be liable for any damage of any kind or nature resulting directly or indirectly from any private lateral, or the water flowing therein, or by reason of lack of capacity therein, or for negligent, wasteful or other use or handling of water by the water user therefrom.
- b. Deliver of water. Most of the water furnished by the District is pumped, flows, through miles of open ditches, and is subject to pollution, shortages, fluctuation in flow, and interruption in service. District employees shall not and are not authorized to make any agreements binding the District to serve an uninterrupted, constant supply of water, or guaranteeing a certain quality of water. All water furnished by the District will be on the basis of irrigation deliveries; water users putting District water to other uses do so at their own risk and assume all liability for, and agree to hold the District and its Trustees, officers, agents and employees free and harmless from, liability and damages that may occur as a result of defective water quality, water shortages, fluctuation in flow and interruptions in service. The District sells water as a commodity only and not as a guaranteed service. The District will not be liable for defective quality of water, shortage of water, either temporary or permanent, or failure to deliver water.
- c. Pumping. Pumping by water users of District water, when permitted by the District Manager, is done at the user's risk, and the District assumes no liability for damages to pumping equipment or other damages resulting from turbulent water, shortage or excess of water, or other causes, including fluctuations in the amount or level of water. It shall be the duty of the landowner or the water user to provide appropriate devices to protect pumps from damage.

users or their agents will not be permitted from the District easement or rights-of-way areas without prior approval of the District Manager.

Plantings and natural growth of vegetation in District easement and rights-of-way, including conveyance and drainage ditches and ditch banks must be maintained. Prior consideration should be given to the future growth of this vegetation, planted or natural, to insure safe unobstructed passage of vehicles and equipment. Encroachment of any plantings and/or natural vegetation within this area may be subject to damage from the cleaning and/or maintenance. Reasonable allowance for vegetative growth in these areas will minimize potential damage or loss of wanted cover from maintenance. It is the responsibility of the landowners or their agents to maintain clear unobstructed passage.

RULE 23 – ABATEMENT OF NUISANCE

No tree or vine trimmings, brush, weeds, grass, tules, rubbish, swill, garbage, manure, refuse, dead animals, or animal matter from any barnyard, stable, dairy or hog pen, or other materials or substances that will become offensive to the senses or injurious to health or obstruct the flow of water, or result in the scattering of seeds of noxious weeds, plants, or grasses shall be placed or dumped in any canal or drain belonging to the District, or be placed or left so as to roll, slide, flow or be washed or blown into any such canal or drain. Any violation of this rule will subject the offender to prosecution. Also, the offender will be responsible for all costs incurred by the District to rectify the violation. All employees of the District shall promptly report any violation of this rule and the water users of the District are urged to cooperate in its enforcement.

RULE 24 – WATER DELIVERED IN MAIN CANAL

The District will operate the pumping plant or plants of the District and will deliver the water there from to the main canal of the District known as Drumheller Slough and all existing District laterals, from whence it will be required to be diverted or pumped by each irrigator at his own expense; and it is understood that the District shall be required to deliver water for irrigation into said main canal and all existing laterals only, and the charges paid by the respective irrigators for water is for the service of the District in delivering said water into said main canal.

RULE 25 – ENFORCEMENT OF RULES

Failure or refusal of any landowner or water user or their servants or employees to comply with the requirements of any of these Rules and Regulations or violation of any of the provisions hereof or failure to pay any water toll

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ery. District personnel will make every reasonable effort to advise landowners of any observed deficiencies in sufficient time to make necessary repairs. Landowners and or tenants should take note during the season and make repairs of all needed field hardware also including drain pipes and weir boxes in addition to continuous seasonal surveying and repair to perimeter roads that boarder delivery and drainage laterals reducing unnecessary water losses. Refusal to comply therewith will be sufficient cause for refusal to turn water on or continue to provide water deliveries.

RULE 19 – BUILDING DIVERTING GATES AND WEIRS

No openings shall be made or structures placed in any district conveyance or drainage canal until an application in writing has been made to the Board, and permission granted therefore, and without the special permission of the District Manager. All structures in must be maintained in a condition satisfactory to the Manager, and must not be removed or altered without the permission of the Manager.

RULE 20 – RESPONSIBILITY OF THE DISTRICT

The District will not be liable for any damage resulting, directly or indirectly, from the water flowing in or from any private ditch nor for any damage resulting from the flooding of land or other property, by water from fields that are being irrigated. District responsibility will cease absolutely when the water is delivered from the canals or laterals of the District.

RULE 21 – LIABILITY OF IRRIGATORS

Every Water User and landowner shall be jointly and severally responsible to the District for all damage to District works by his neglect, carelessness, or malicious acts, and upon his failure to repair such damage after notification by the Manager or duly authorized assistant thereof, such repairs will be made at his expense by the District.

RULE 22 – ENCROACHMENTS

No encroachments shall be permitted upon District lands, easements or rights–of–way, including conveyance, drain ditches and ditch banks, by installation of any structure or alteration of the District lands, easements or rights–of–way (excluding, in the case of District owned lands, alterations made pursuant to a lease) except upon application to the District for a permit authorizing such installation or other alteration. No construction, permanent or temporary of any nature on District easements or rights–of–way, including conveyance and drainage ditches and ditch banks will be permitted without prior approval of the District Manager and written authorization from the Board of Trustees. Material needed for coffer dams or other projects by the water

RULE 15 – ACCESS TO LAND

The Manager, his assistants and all other servants, agents and employees of the District shall have free access at all times to all canals, ditches, laterals, pipes and meters and, to the extent needed to properly manage District operations or enforce these regulations, to the lands irrigated from same for the purpose of inspection, examination, measurements, surveys, control of water or other necessary purposes of the District, with the right of installation, maintenance, control and regulation of all meters or other measuring devices, gates and turnouts necessary for the proper measurement and distribution of water.

RULE 16 – CONTROL OF REGULATING STRUCTURES

Except in cases of actual emergency or to prevent imminent danger of damage to property or when specifically authorized by the Manager, no person other than the Manager or his assistants shall be authorized or permitted to turn water on or off or to change or interfere with the District's head gates or delivery gates or the irrigation systems or with any measuring devices of the irrigation systems. All violations are subject to prosecution under Section 592 of the Penal Code of California.

RULE 17 – CONDITION OF PRIVATE DITCHES

Upon application of a landowner for the delivery of water, it shall be the duty of the District Manager to certify whether or not the applicant's ditches are in proper condition to receive water. All private ditches shall be properly constructed and maintained so as to carry water without danger of serious breaks or undue seepage. The Manager is required to examine all such ditches and may order them to be cleaned, repaired or reconstructed, as he deems necessary, before water will be turned into them. Refusal to comply therewith will be sufficient cause for refusal to turn on water. Nothing herein shall be construed as an assumption of liability on the part of the District, its Trustees, officers, or employees for any damage occasioned by improper construction, maintenance or use of any private ditch or ditches or other facilities or by reason of permitting the flow of water or the turning of water therein.

RULE 18 – DELIVERY GATES OR TURNOUTS

All delivery gates, turnouts and weirs are under the control of the District. The District's employees alone are allowed to open the District's delivery gates, and they alone have full authority to close the same as soon as the requisite amount of water for each irrigator has been discharged. Said gates and turnouts may be supplied with locks, the keys to be under control of the Manager. All landowner delivery hardware, including but not limited to, screw gates, weirs and piping are to be in satisfactory condition prior to water deliv-

RULE 1 – CONTROL OF SYSTEM

The operation of the distribution system and irrigation works owned or operated by Reclamation District No. 1004 shall be under the exclusive management and control of the Manager of the District. No other person shall have control of the distribution system and works, except for duly appointed assistants of the Manager or when specifically authorized by resolution of the Board of Trustees of the District.

RULE 2 – EMPLOYEES

Subject to the approval of the Board of Trustees, the Manager shall employ such assistants as may be necessary for the proper operation and maintenance of the District. Employees shall be guided by these Rules and Regulations and by such technical and other instructions and advice as may be given by the District's professional staff for the purpose of carrying out the policies of the Board of Trustees and providing efficient and economical service.

It is the specific duty of each employee to maintain cordial relations with all landowners and water users in the District. Every water user is entitled to equitable, courteous and prompt service. Every employee is charged with the duty and responsibility of cooperating with the water users and the Board in a sincere effort to render as satisfactory service as can be reasonably attained. Every water user has a right to such service, and every employee of the District is enjoined to maintain and execute this policy.

RULE 3 – DISTRIBUTION OF WATER

The District will deliver water into the various irrigation canals, laterals and drains as shown on the map of district facilities approved by the Board of Trustees at such levels as are feasible and practical with the facilities existing at the time these Rules and Regulations are made effective and such other facilities as may thereafter be added by resolution of the Board of Trustees. Except as hereinafter provided in case of a shortage of water or in case of noncompliance with these Rules and Regulations, water will be delivered into the irrigation canals and laterals in sufficient quantity to meet the reasonable needs of all qualified irrigators. The District does not and cannot guarantee water quality, nor the time or quantity of delivery. **THIS WATER IS NOT POTABLE AND MUST BE PURIFIED FOR DOMESTIC USE.** The District recommends that the water not be used for domestic purposes.

A water user may have temporary circumstances needing a very limited quantity of water not effectively being taken through the current metered points of delivery. The District manager will evaluate this special need

of water on a case-by-case basis with water only being available during the irrigation season, as it is available, and to be used within the District boundaries. The approved quantity of water will be charged a flat fee determined by the District manager. No pump with larger than a three inch intake is to be used. A separate fee will be levied for each District numbered property receiving this water for a period of time not to exceed the current irrigation season. All required paperwork and the full amount of the fee will be submitted to the District office for approval prior to the take of water. The water user is to call the District Manager arranging the time water will begin being taken and similarly, when the take will end. At any time during the irrigation season the District Manager may curtail the taking of water with no refund. Any expense for the movement of the needed water from the point of origin to the point of use is at the sole cost of the party requesting the water. The District purveys water from many sources and may contain varying amounts of foreign matter such as chemicals, insecticides, herbicides and fertilizers. Therefore, the District is not to be used as a potable source of water and should be tested if used on any sensitive vegetation.

RULE 4 – APPLICATIONS FOR WATER

Prior to delivery of water from the irrigation works of the District to any Tract of land each season, an application for water shall be filed with the District Office Manager or authorized assistant on a form provided by the District. All applications shall be signed by and shall show the name(s) and address(es) of the party(ies) (applicant) to be billed for irrigation service, and the landowner, if not he applicant, and such other information as the Manager may require from time to time. Fields with multiple water applicants utilizing a common meter shall submit a lead contact name and phone number when applications are submitted. The lead contact shall provide the District office with information requested during the water season as needed. A field containing multiple water applicants utilizing a common meter or multiple fields with different water applicants utilizing a common meter are to agree on water splits at the time applications are submitted. The agreed splits shall be submitted to the District in writing with the application and signed by all participating parties.

In all instances, the landowner shall be responsible for all charges for water used upon his or her land. When the application for water is made by a tenant, the applicant, and all other tenants making such use of water, shall be jointly and severally liable with the landowner for all water charges.

RULE 13 – MEASUREMENT OF WATER

Except as hereinafter provided for Temporary and Special Purpose deliveries of water, all deliveries will be made only through District approved or District owned and operated meters or outlets. The District Manager will provide meter specifications and installation measures. Meters must be installed to the District's specifications at the landowner's expense. Meters will become the property of the District so that they may be properly maintained. Any alteration, modification or removal of said meters shall be done only with the supervision of or by District personnel. No one is to remove or tamper with any metering device at any time. This uniformity will promote reliability of service. If a meter is damaged or becomes inoperable as a result of District operations or District personnel the meter will be replaced by the District at District expense. A meter shall be replaced or repaired at the landowner's expense when the meter is damaged or proven inaccurate as a result of landowner or tenant operations. In the event a landowner's meter is damaged due to the actions of another landowner or landowner's tenant, the District will charge all repairs to that landowner who was responsible for said damage.

Meters will be routinely tested. The scheduling and method will be at the discretion of the District. Should a water user suspect the inaccuracy of a District meter between scheduled testing intervals, the water user may request testing. If the test indicates that the meter is within 5% of accuracy, the water user will pay for the testing. Should the test show that metering is not within 5% of accuracy, the District will pay the cost of testing and make the proper adjustments.

When a meter is discovered as not working as a result of mechanical problems or an obstruction, the amount of water is calculated using the rate of flow in C.F.S. (cubic feet per second) observed the last time the meter was read and working properly. The rate of flow is multiplied by the number of hours it was not working and divided by 12.1, to arrive at the total acre feet used.

RULE 14 – DETERMINATION OF ACREAGE IRRIGATED

The District will periodically survey each tract of land by means of aerial photography or other means provided by the appropriate County Farm Service Agency for the purpose of determining the acreage to be used in calculating all District charges. The acreage will include all irrigable land. If any such survey shows a change in the acreage, the effect thereof will be included in all subsequent bills.

the distribution of the available water supply during the period of the shortage. In the event of temporary local or similar shortages the District Manager is authorized to place in effect such variations in service, as, in his judgment the occasion requires.

RULE 11– INTERRUPTION OF WATER SERVICE

The District may temporarily discontinue or reduce the amount of water to be furnished to the Water User for the purpose of investigation, inspection, maintenance, repair or replacement of any District facilities. The District may also temporarily discontinue or reduce water deliveries for vegetation abatement measurements or to the extent required by any environmental regulation that may be imposed upon the District for protection of fish or other environmental concerns. So far as feasible, the District shall give the water user due notice, in advance, of such temporary discontinuance or reduction, except in case of emergency an effort shall be made to notify the water user as soon as possible. In no event shall any liability accrue against the District or any of its officers, agents, or employees, for any damage, direct or indirect, arising from such temporary discontinuance or reduction of water deliveries.

RULE 12 – WASTE OF WATER

Any water user who deliberately, carelessly or otherwise wastes water or who uses an unreasonable amount of water to irrigate properly, will be refused the use of water until such conditions are remedied or will have his use curtailed by the amount of waste, as the District Manager may determine.

The District reserves the right to refuse delivery of water to any lands when it appears to the satisfaction of the District Manager that its proposed use or method of use would require such excessive quantities of water as would constitute waste.

The District spill policy is as follows:

- 36" Riser not to exceed 1" spill
- 30" Riser not to exceed 1 ¼" spill
- 24" Riser not to exceed 1 ½" spill
- 18" Riser not to exceed 1 ¾" spill

All return flow from use of district water shall be the property of the District when it reaches a drain or a canal maintained by the District. No drain water shall flow from one entity field into another entity field without first passing through a District approved metering structure. In water short years the District Manager may preapprove water conservation techniques on a case by case basis requiring all parties submit a written plan with an agreement signed by all participating parties.

RULE 5 – SALE OR TRANSFER OF TITLE TO LANDS

When land affected by a Water User application is sold or title otherwise transferred to another party, the District shall be under no obligation to deliver water to such lands until the Water User Application is assigned to and assumed by the new landowner. Such assignments and assumption agreements shall be on forms provided by the District, executed and completed in a manner satisfactory to the District.

RULE 6 – CONTROL OF WATER

All water diverted by the District and delivered within the boundaries of the District, by means of District canals, laterals, drains, including private drains, is and remains the property of the District and is subject to control, diversion, rediversion, reclamation, reuse, relief, sale and resale, by the District as it sees fit. No landowner or water user within the boundaries of the District acquires any proprietary right to water delivered to him by the District by reason of such use nor does such landowner or consumer acquire any right to resell and/or relift water provided by the District for purposes of irrigating additional land for which no application has been made and District fees and charges paid. If water is used on lands either within or without the District, which water has heretofore been diverted and/or delivered by the District for use on lands within the District, whether or not that person utilizes water by routing it first through a conduit, flowing it across other lands within the District, recapturing it from drains, or otherwise, said use of water will be subject to the rules and regulations of the District, including measurement of all applicable charges of the District for the use of such water. All drainage from District lands remain the property of the District and shall not be restricted, diverted or pumped without the written permission of the District Manager. Any delivery or drainage water restricted, diverted or pumped to non-district properties shall subject the tenant/property owner to a minimum fine of \$750 per occurrence. Immediate curtailment of water deliveries will occur to the field (s) of origin until the Manager is satisfied that the conditions are paid to the District Office. Additional associated charges may include and are not limited to the annual costs per acre imposed on similar District properties for operation and maintenance fees and assessments and the cost of Bureau of Reclamation project water and related component inputs or the current cost of water from the Sacramento River Contractors Association, whichever is higher. Per acre charges will be calculated for and encompass the entire property the diversion was made to utilizing Farm Service Agency acreage measurements. Estimates of water usage will be made by District personnel, consistent with the determination of water usage within the District, for purposes of determining acre feet of water delivered. Any commingled water, regardless of origin, with District water will be considered

entirely as District water. The Board of Trustees reserves the right to determine whether any additional charges will be imposed.

RULE 7 – CHARGES FOR WATER

The Board shall annually adopt a schedule of rates to be charged by the District for water service prior to the water application date. The total charges for water furnished shall be based on the total estimated cost of operation and maintenance of the pumping plants and delivery system of the District during each season including, but not limited to, the cost of electric power, operating charges, repairs, maintenance, upkeep of pumping plants, incidental expenses of operation and District overhead.

RULE 8 – TIME OF PAYMENT

Payment of the seasonal water charge for the irrigation of each tract of land applied for shall be made prior to delivery of water to the tract, or prior to April 30 whichever is first, or as scheduled by the Board of Trustees, in the form of a deposit based on the acre foot price and unit duty for the particular crop. The acre foot price and unit duty shall be annually adopted by the Board of Trustees.

For special cases, payment of the seasonal charge for water shall be made in such amounts and at such times as the Manager may determine to be necessary in each case so as to insure that all water so delivered is paid for in advance. No water shall be delivered in advance of said deposit. No water shall be served to a parcel of land until all Operation/Administration, custom work charges, fines, delinquent charges including interest, or any other outstanding District obligations have been paid in full. No water shall be delivered until any Federal, State or County documents, required by the District, are accurately completed and submitted to the District office.

Any Federal, State or County documents submitted to the District office deemed to be in error will be correctly resubmitted within sixty (60) days of initial notification. Noncompliance of these terms will subject applicant to fines of \$300.00 per document per incident in addition to future water delivery delays. Fine amounts and time demands for documents may be subject to change depending on constraints levied by auditing or enforcing agency.

An additional deposit will be required when the initial deposit has been depleted. The amount of the additional deposit or partial deposit shall be determined by the District Manager. For any additional deposit or any bal-

ance due on the account payment (s) must be paid within 10 days of the date notice is mailed to the water user. In the event, the required payment is not made within the 10 day period, water service will be terminated until such time as the deposit and payment(s).

Any and all person (s) responsible for causing the District not to have enough Non-Excess, Eligible Land shall be jointly and severally responsible for the additional costs of the Full Cost Water plus any penalties, interest and related costs.

The obligation to pay for Full Cost Water, penalties, interest and related cost shall be that of the landowner, even if caused by a tenant, unless the tenant has satisfied this obligation in full.

In the event there are multiple landowner with Excess, Non-Eligible Land, the obligation to pay shall be prorated among them on the basis of the number of acre feet of water the District delivered to the Excess, Non-Eligible Land during the year (s) involved. This obligation shall attach to the property and inure to the detriment of any subsequent landowner. It is enforceable as a lien against the property and will result in a curtailment of water delivery until paid in full.

RULE 9 – CHARGE FOR UNAUTHORIZED USE OF WATER

Water Users who take water without prior application, deposit, notification, or authority from the District will incur a minimum charge of \$300.00, per occurrence, reimbursing the District for extraordinary expenses caused by such action. Unauthorized water service will be discontinued until compliance with these requirements is met. Water users will provide reasonable notification of the need for additional water as well as reasonable notification when turning water down or off. In all cases, non-notification will result in a charge of \$300.00 per occurrence no matter how much water the adjustment may involve. Any violations may be cause for an immediate lockdown whereby future water modifications will be by appointment. Similar charges will apply in lift pump applications where time clocks are utilized. Any adjustments of running time in clock applications, adjustments to boards in weirs, adjustments to screw gates or any other District approved conveying apparatus shall be conveyed to the District Manager in advance or the water user will be subject to a \$300.00 charge. Fines will be immediately deducted from any water deposit the offender has with the District.

RULE 10 – SHORTAGE OF WATER

Whenever a general shortage of water appears imminent, the Board of Trustees shall so find by resolution duly passed and recorded in its minutes. The resolution shall incorporate special rules and regulations to cover