

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	City of Vacaville	City of Vacaville	City of Vacaville	City of Vacaville	City of Vacaville
Salinity Coalition Member?	Yes	Yes	Yes	Yes	Yes
Project or Effort Name	Household Self Regenerating Water Softener Study	Conduct Electrical Conductivity Monitoring in Sanitary Sewer System	Alternate Water Supply and Source Water Treatment Feasibility Cost Analysis	Conduct Citywide Water Softener Survey	General Salinity Public Education and Outreach
Contributes to CV-SALTS By	Determines contribution of salinity, if any, from residential water softeners relative to baseline levels from homes without water softeners.	Quantify contribution of salinity from sanitary sewer service areas based on continuous measurement of electrical conductivity.	Determine feasibility and cost of reducing wastewater salinity by using an alternate drinking water source and or treating source water to reduce salinity and hardness.	To obtain an estimate of the number, location, age, type, and status of water softeners installed at residential, commercial, and industrial addresses.	To increase awareness of salinity impacts to the wastewater treatment plant effluent and environment.
Costs					
Capital or Contract \$	\$5,000.00	\$16,000.00	\$0.00	\$30,000.00	\$6,000.00
In-Kind Labor \$	\$7,782.00	\$10,000.00	\$540.00	\$7,886.00	\$7,886.00
Study or Other \$	\$48,609.00	\$0.00	\$59,370.00	\$0.00	\$0.00
Management or BMP \$	\$0.00	\$2,678.00	\$2,678.00	\$0.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$61,391.00	\$28,678.00	\$62,588.00	\$37,886.00	\$13,886.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	Y	Y	N	Y	Y
Percent Required Cost %	100%	100%	\$0.00	100%	100%
Reported As of	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	City of Vacaville	City of Vacaville	City of Vacaville	City of Vacaville	Tulare Lake Districts
Salinity Coalition Member?	Yes	Yes	Yes	Yes	Yes
Project or Effort Name	Industrial User Monitoring of Source Water and Wastewater	Major industrial users conduct Salinity Source Identification Studies	Major permitted industrial users conduct Salinity Treatment Feasibility Cost Analysis.	Receiving Water Study	Metropolitan Water District Drainage Water Treatment Feasibility Study
Contributes to CV-SALTS By	Determine maximum salinity mass loading reduction by determining change in salinity from source water to wastewater.	To quantify salinity sources of various waste streams generated within major industrial permitted industries.	Determine feasibility and costs of treating major salinity waste streams, identified from Source Identification Studies, to achieve a specified reducing in salinity mass loading.	Characterize Receiving water follow-on work from the WQM Study	TLDD and MWD evaluated the feasibility of using agricultural drainage water to secure additional water supplies by processing the drainage water through reverse osmosis
Costs					
Capital or Contract \$	\$11,000.00	\$0.00	\$120,000.00	\$20,000.00	\$0.00
In-Kind Labor \$	\$1,500.00	\$0.00	\$0.00	\$32,095.00	25,000
Study or Other \$	\$2,678.00	\$120,000.00	\$0.00	\$0.00	\$125,000.00
Management or BMP \$	\$2,678.00	\$0.00	\$120,000.00	\$5,893.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$17,856.00	\$120,000.00	\$240,000.00	\$57,988.00	\$150,000.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	Y	Y	In part	Y	N
Percent Required Cost %	100%	100%	17%	100%	0%
Reported As of	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	Tulare Lake Districts	Tulare Lake Districts	Tulare Lake Districts	Tulare Lake Districts	Tulare Lake Districts
Salinity Coalition Member?	Yes	Yes	Yes	Yes	Yes
Project or Effort Name	Pearl H2O Pilot Drainage Water Treatment Trial	Combined Solar Technologies Drainage Water Treatment Pilot	Renewable Energy and Water Drainage Water Pilot	UCLA Water Technology Research for RO advances	New Sky Energy Ag Water Treatment Pilot
Contributes to CV-SALTS By	Engineering designed and tested a lab scale pilot that treated TLDD's drainage water utilizing an anaerobic selenium bioreactor and reverse osmosis	Pilot plant treating TLDD's drainage water with local bio-fuel, thermal reactors, and boilers to convert drainage water into product water and zero-liquid discharge	Evaluated the feasibility of treating TLDD's drainage water with an on-site pilot plant utilizing a polymer based resin and reverse osmosis	UCLA researchers testing new class of reverse-osmosis membranes for desalination that resists the clogging from drainage water desalination.	Developing technology to treat agricultural drainage water with reverse osmosis and convert the waste concentrate into useable products
Costs					
Capital or Contract \$	\$0.00	\$75,000.00	\$0.00	\$0.00	\$0.00
In-Kind Labor \$	\$75,000.00	\$20,000.00	\$31,941.00	\$0.00	\$0.00
Study or Other \$	\$1,617,000.00	\$91,131.00	\$700,000.00	\$350,000.00	\$10,000.00
Management or BMP \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$1,692,000.00	\$186,131.00	\$731,941.00	\$350,000.00	\$10,000.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	N	N	N	N	N
Percent Required Cost %	0%	0%	0%	0%	0%
Reported As of	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	Tulare Lake Districts	Tulare Lake Districts	Tulare Lake Districts	Tulare Lake Districts	US Bureau of Reclamation
Salinity Coalition Member?	Yes	Yes	Yes	Yes	No
Project or Effort Name	Merlin Bird Radar and Deterrent Technology	Enhanced Evaporation Trial with Large Impact Sprinklers	Spray Field (Enhanced Evaporation) Pilot Trial with Small Micron Nozzles (1 Acre)	Spray Field (Enhanced Evaporation) project with Small Micron Nozzles (120 Acres)	West Side SJR Salt and Nutrient Source Study
Contributes to CV-SALTS By	Merlin tested the bird deterrent effectiveness of their radar controlled automated tracking and long range acoustical sound devise on TLDD's evaporation basins	Tested the effectiveness of enhancing evaporation over an evaporation basin cell utilizing large volume impact sprinkler heads	Testing the effectiveness of "enhanced evaporation" over ponded water in a basin cell employing closely spaced small micron spray heads for drainage water disposal	Full Scale trial project utilizing "enhanced evaporation" over ponded water in a basin cell employing closely spaced small micron spray heads for drainage water disposal	Provides information on the sources of salts and nitrated focused on the West side of the San Joaquin River and coordinated with data needed for CV-SALTS.
Costs					
Capital or Contract \$	\$0.00	\$0.00	\$0.00	\$4,187,106.29	\$0.00
In-Kind Labor \$	\$5,000.00	\$40,000.00	\$50,000.00	\$76,500.00	\$25,000.00
Study or Other \$	\$25,000.00	\$75,000.00	\$170,491.00	\$0.00	\$400,000.00
Management or BMP \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$30,000.00	\$115,000.00	\$220,491.00	\$4,263,606.29	\$425,000.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	N	N	N	N	N
Percent Required Cost %	0%	0%	0%	0%	0%
Reported As of	10/1/2011	10/1/2011	10/1/2011	10/12/2012	10/26/2012

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response		Response
Agency or Group Name	US Bureau of Reclamation	Dairy Cares/Western United Dairymen	Sac Regional CSD	Sac Regional CSD	Tulare Lake
Salinity Coalition Member?	No	Yes	Yes	Yes	Yes
Project or Effort Name	Real Time Management Studies and efforts	Stock Water Quality Criteria Study	Facilities and Support for Meetings	Salinity Minimization Plan	Committee Chair Support
Contributes to CV-SALTS By	Research and coordination on an alternative for management of salt in the San Joaquin River to improve water quality and more efficiently use dilution waters.	Study to document the water quality criteria of stock animals for salt and nitrates to support CV-SALTS standard setting processes and planning	Sac Regional has provided new state of the art meeting space, conference telephone as well as, IT and Admin support staff to insure all CV-SALTS Meeting are effective	Sac Regional has completed a Salinity Minimization Plan under their NPDES Permit to manage salts identifying salt sources for CV-SALTS.	Tulare Lake interests authorized a consultant familiar with the Central Valley needs and Ag interests to participate in CV-SALTS as the TAC Chair.
Costs					
Capital or Contract \$	\$245,000.00	\$0.00	\$0.00	\$63,064.23	\$0.00
In-Kind Labor \$	\$50,000.00	\$0.00	\$20,000.00	\$0.00	\$50,000.00
Study or Other \$	\$430,000.00	\$29,000.00	\$0.00	\$0.00	\$0.00
Management or BMP \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$10,000.00	\$0.00	\$0.00
Total Cost To Date \$	\$725,000.00	\$29,000.00	\$30,000.00	\$63,064.23	\$50,000.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	N	N	N	Y	N
Percent Required Cost %	0%	0%	0%	100%	0%
Reported As of	10/26/2012	10/26/2012	10/18/2012	10/18/2012	10/26/2012

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	California Rice Commission	City of Dixon	Central Valley Salinity Coalition	EKI Consultants	Food Processors/Wine
Salinity Coalition Member?	Yes	No	Yes	Yes	Yes
Project or Effort Name	Consultant Participation and Support	Committee Chair Support	Pilot Salt and Nutrient Source Identification Study	Turlock Salt Management Study	Low Salt Peeling Research and Development
Contributes to CV-SALTS By	Agricultural Coalitions and interested funded consultants to participate on their behalf in CV-SALTS committees and assist in outreach development and in meetings.	The City of Dixon authorized a consultant familiar with the Central Valley needs and wastewater issues to participate in CV-SALTS as the Education and Outreach Chair.	The Salinity Coalition funded and managed study as a predecessor to SNMP, covering approximately 10% of the Central Valley. The consultants performed work in addition to the scope paid	Independent Study of the Turlock basin for Salt Balance contributed to CV-SALTS.	Implementation study by UC and CSU facilities under FREP into the source reduction options for food processing by low salt or steam peeling while maintaining product quality.
Costs					
Capital or Contract \$	\$0.00	\$0.00	\$25,000.00	\$0.00	\$0.00
In-Kind Labor \$	\$54,000.00	\$35,000.00	\$55,588.00	\$50,000.00	\$0.00
Study or Other \$	\$0.00	\$0.00	\$439,124.00		\$200,000.00
Management or BMP \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$54,000.00	\$35,000.00	\$519,712.00	\$50,000.00	\$200,000.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	N	N	N	N	N
Percent Required Cost %	0%	0%	0%	0%	0%
Reported As of	10/27/2012	10/1/2011	10/1/2011	10/1/2011	10/26/2012

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	Coalition Urban Rural Env. Stewardship	Central Valley Salinity Coalition	Department of Water Resources	Department of Water Resources	Grassland Area Farmers
Salinity Coalition Member?	Yes	Yes	No	No	Yes
Project or Effort Name	Cost Efficient Nitrate BMP Development for Irrigated Agriculture	CVSC Support for CV-SALTS Committees, meetings and administration	Agricultural Drainage Program	San Joaquin River Real-time WQ Monitoring	San Joaquin River Improvement Project
Contributes to CV-SALTS By	Study Identify and pilot test methods for measuring movement of nitrates beyond the root zone of irrigated crops by a nutrient management plans via Specialty Crop Block Grant.	CVSC provides support for CV-SALTS Committees, Committee meetings, website, logistics and for Coalition Building supporting SNMP.	Participating in the CV Salts program and conducting the Ag. Drainage Program which activities are compatible with the goals of the CV Salts.	Meeting SJR water quality objectives for salinity near Vernalis and preserving high quality New Melones water while lowering salt concentrations entering the Delta.	The SJRIP has many project components some of the elements that are most related to salinity management and CV-SALTS are included. Only Local districts and federal funds shown.
Costs					
Capital or Contract \$	\$0.00	\$591,433.00	\$9,750,000.00	\$1,250,000.00	\$21,151,519.00
In-Kind Labor \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Study or Other \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Management or BMP \$	\$348,377.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$348,377.00	\$591,433.00	\$9,750,000.00	\$1,250,000.00	\$21,151,519.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	N	N	In part	N	In part
Percent Required Cost %	0%	0%	10%	0%	20%
Reported As of	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	Response	Response
Agency or Group Name	Grassland Area Farmers	Central Valley Clean Water Association	Central Valley Clean Water Association	Central Valley Clean Water Association	Ironhouse Sanitary District
Salinity Coalition Member?	Yes	Yes	Yes	Yes	Yes
Project or Effort Name	Grasslands Area Firebaugh Canal WD salinity reduction projects	Salinity Toolbox for POTWs	Variance Basin Plan Amendment Assistance	CV-SALTS Committee and Engagement Support	Salinity Management Plan
Contributes to CV-SALTS By	Many projects which reduce salinity through reduction of seepage in canals which result in problematic saline waters in the environment. Only local funding share shown.	CV-SALTS, POTWs, and RWB staff with effective management tools to control salts at POTWs. The toolbox will be vetted through CV-SALTS and streamline future efforts by all parties involved.	Provides the regulatory option while CV-SALTS is developed to participate in CV-SALTS and ultimate long term solutions rather than immediate low benefit projects.	Supports CV-SALTS and CVCWA Members by engagement on work of CV-SALTS meetings, committees, for technical & regulatory support towards a long-term sustainable solution.	Determining sources of salinity from a 95% domestic system
Costs					
Capital or Contract \$	\$9,545,000.00	\$40,000.00	\$122,994.43	\$53,200.00	\$0.00
In-Kind Labor \$	\$0.00	\$4,050.00	\$6,750.00	\$0.00	\$10,000.00
Study or Other \$	\$0.00	\$0.00	\$0.00	\$0.00	\$24,810.00
Management or BMP \$	\$0.00	\$0.00	\$0.00	\$0.00	\$2,500.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost To Date \$	\$9,545,000.00	\$44,050.00	\$129,744.43	\$53,200.00	\$37,310.00
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	In part	N	N	N	Y
Percent Required Cost %	0%	0%	0%	0%	100%
Reported As of	10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012

CV-SALTS Stakeholder Contribution Summary

Data Requested	Response	Response	Response	
Agency or Group Name	Dairy Cares/Western United Dairymen	Dairy Cares/Western United Dairymen	Dairy Cares/Western United Dairymen	Total
Salinity Coalition Member?	Yes	Yes	Yes	
Project or Effort Name	Representative Monitoring Program.	California dairy industry-wide study of salinity sources and management practices	Animal Waste Pond Studies	
Contributes to CV-SALTS By	Conducts groundwater monitoring on 45 dairies/300 monitoring wells plus dairy operating and physical conditions to assess management practices. Provides info to CV-SALTS	Study identified main salinity sources on dairies, irrigation water/feeds and identified management practices used to reduce or minimize salinity	2007 and 2012 studies reviewed literature on pond performance as salinity and nutrient sources to groundwater and recommendation pond characterization method	
Costs				
Capital or Contract \$	\$330,000.00	\$35,265.00	\$184,192.00	\$47,856,773.95
In-Kind Labor \$	\$800,000.00	\$0.00	\$31,692.00	\$1,583,210.00
Study or Other \$	\$2,500,000.00	\$0.00	\$63,130.00	\$7,480,343.00
Management or BMP \$	\$1,000,000.00	\$0.00	\$0.00	\$1,484,804.00
Other Funds Pledged \$	\$0.00	\$0.00	\$0.00	\$10,000.00
Total Cost To Date \$	\$4,630,000.00	\$35,265.00	\$279,014.00	\$58,415,130.95
State Grant Funds? \$	\$0.00	\$0.00	\$0.00	\$0.00
Required by Permit Y/N	In part	N	N	\$0.00
Percent Required Cost %	54%	0%	0%	\$8,184,163.03
Reported As of	10/26/2012	10/26/2012	10/26/2012	10/26/2012

CV-SALTS Stakeholder Contribution Summary

Data Requested
Agency or Group Name
Salinity Coalition Member?
Project or Effort Name
Contributes to CV-SALTS By
Costs
Capital or Contract \$
In-Kind Labor \$
Study or Other \$
Management or BMP \$
Other Funds Pledged \$
Total Cost To Date \$
State Grant Funds? \$
Required by Permit Y/N
Percent Required Cost %
Reported As of

Organization	Contribution
City of Vacaville	\$640,273.00
Tulare Lake Districts	\$7,799,169.29
US Bureau of Reclamation	\$1,150,000.00
Dairy Cares/Western United Dairymen	\$4,973,279.00
Sac Regional CSD	\$93,064.23
California Rice Commission	\$54,000.00
City of Dixon	\$35,000.00
Central Valley Salinity Coalition	\$1,111,145.00
EKI Consultants	\$50,000.00
Food Processors/Wine	\$200,000.00
Coalition Urban Rural Env. Stewardship	\$348,377.00
Department of Water Resources	\$11,000,000.00
Grassland Area Farmers	\$30,696,519.00
Central Valley Clean Water Association	\$226,994.43
Ironhouse Sanitary District	\$37,310.00
Total	58,415,130.95

Summary		
Direct Study	\$2,416,403	Ties directly to the workplan efforts
Indirect Study and Data	\$18,855,757	Data and study that will be used in CV-SALTS ie Tulare
Support for CV-SALTS	\$717,917	Support that assists CV-SALTS
Implementation	\$36,250,054	Projects already implemented for salt & nutrient control
Other State Funds	\$11,000,000	DWR funding
Federal Contribution	\$19,242,911	USBR funding in SJR and via Grasslands
Local Contribution	\$27,847,220	Remainder calculation
Permit Required	\$8,184,163	Portion attributable to direct permit required studies