Table 4 Expands and provides further detail for the categories listed in Table 2

Type of Contribution		Cost t	Cost to Date		í ľ	
Agency			Permit	Projected	Total	Total
Project/Effort Name	Contributes to CV-SALTS by:	Voluntary	Required	2015/16 +	Voluntary	All
Treatment Alternatives		\$7,564,913	\$206,440	\$694,189	\$8,259,102	\$8,465,542
City of Vacaville		. , ,	. , ,			
Alternate Water Supply and Source	Alternate Water Supply and Source Water Treatment Feasibility					
Water Treatment Feasibility Cost	Cost Analysis					
Analysis		\$62,588			\$62,588	\$62,588
Major permitted industrial users conduct	Determine feasibility and costs of treating major salinity waste					
Salinity Treatment Feasibility Cost	streams, identified from Source Identification Studies, to achieve a					
Analysis.	specified reduction in salinity mass loading.	\$240,000	\$40,800		\$240,000	\$280,800
Receiving Water Study	Characterize Receiving water follow-on work from the WQM Study					
			\$57,988		\$0	\$57,988
Tulare Lake Drainage District (TLDD)						
Metropolitan Water District (MWD)	TLDD and MWD evaluated the feasibility of using agricultural					
Drainage Water Treatment Feasibility	drainage water to secure additional water supplies by processing					
Study	the drainage water through reverse osmosis	\$150,000			\$150,000	\$150,000
Pearl H20 Pilot Drainage Water	Engineering designed and tested a lab scale pilot that treated					
Treatment Trial	TLDD's drainage water utilizing an anaerobic selenium bioreactor					
	and reverse osmosis	\$1,692,000			\$1,692,000	\$1,692,000
Water Treatment Pilot	thermal reactors, and boilers to convert drainage water into					
	product water and zero-liquid discharge	\$186,131			\$186,131	\$186,131
Renewable Energy and Water Drainage	Evaluated the feasibility of treating TLDD's drainage water with an					
Water Pilot	on-site pilot plant utilizing a polymer based resin and reverse					
	osmosis	\$731,941			\$731,941	\$731,941
UCLA Water Technology Research for	UCLA researchers testing new class of reverse-osmosis					
Reverse Osmosis advances	membranes for desalination that resists the clogging from					
	drainage water desalination.	\$350,000			\$350,000	\$350,000
New Sky Energy Ag Water Treatment	Developing technology to treat agricultural drainage water with					
Pilot	reverse osmosis and convert the waste concentrate into useable					
	products	\$10,000			\$10,000	\$10,000
Merlin Bird Radar and Deterrent	Merlin tested the bird deterrent effectiveness of their radar					
Technology	controlled automated tracking and long range acoustical sound				• • • • • • •	
	devise on TLDD's evaporation basins	\$30,000			\$30,000	\$30,000
Enhanced Evaporation Trial with Large	Tested the effectiveness of enhancing evaporation over an					
Impact Sprinklers	evaporation basin cell utilizing large volume impact sprinkler				• · · - • • •	• · · - • • •
	heads	\$115,000			\$115,000	\$115,000
Spray Field (Enhanced Evaporation)	Testing the effectiveness of "enhanced evaporation" over ponded					
Pilot Trial with Small Micron Nozzles (1	water in a basin cell employing closely spaced small micron spray	0 4 000 055		0 500.000	A 4 B AA AAA	04 700 05
Acre)	heads for drainage water disposal	\$1,200,000		\$500,000	\$1,700,000	\$1,700,000
Sac Regional CSD						
Salinity Minimization Plan	Sac Regional has completed a Salinity Minimization Plan under					
	their NPDES Permit to manage salts identifying salt sources for		\$20.001		\$	#00.00 4
	CV-SALTS.		\$63,064		\$0	\$63,064

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Type of Contribution		Cost t	o Date	Total		
Agency			Permit	Projected	Total	Total
Project/Effort Name	Contributes to CV-SALTS by:	Voluntary	Required	2015/16 +	Voluntary	All
Source Evaluation Study	Analyzing salinity in the metropolitan Sacramento Area		\$44,588		\$0	\$44,588
Facilities and Staff Support for CV-	Meeting Location and support service provided for three plus					
SALTS	years.	\$100,000		\$20,000	\$120,000	\$120,000
Central Valley Clean Water Association						
Salinity Toolbox for POTWs	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.	\$44,050			\$44,050	\$44,05
Food Processors/Wine						
Low Salt Peeling Research and	Implementation study by UC and CSU facilities under FREP into					
Development (FREP Grant)	the source reduction options for food processing by low salt or	• • • • • • • •			• • • • • • • •	.
	steam peeling while maintaining product quality.	\$900,000			\$900,000	\$900,00
Wine Institute						
Land application Study for Wineries	Improving land application practices for wineries and reducing	# 4 050 000			* 4 050 000	\$4 050 00
	nitrate and salt contributions	\$1,050,000			\$1,050,000	\$1,050,000
Salinity and Energy Reduction Manual	Reducing Salt Contribution in process water discharges and	\$050,000			¢050.000	¢050.00
Coalition Urban Rural Environmental Stewa	energy reduction across the organizations in Central Valley.	\$250,000			\$250,000	\$250,00
	Study, identify, and pilot test methods for measuring movement of					
for Irrigated Agriculture (FREP Grant)	nitrates beyond the root zone of irrigated crops by a nutrient					
for imgated Agriculture (FREP Grant)	management plans via Specialty Crop Block Grant.	\$174,189		\$174,189	\$348,378	\$348,37
Dairy Cares/Western United Dairymen	management plans via Specialty Crop Block Grant.	\$174,109		\$174,109	\$340,370	J340,37
Animal Waste Pond Studies	2007 and 2012 studies reviewed literature on pond performance					
Animal Waster ond Studies	as salinity and nutrient sources to groundwater and					
	recommendation pond characterization method	\$279,014			\$279,014	\$279,01
Support for Basin Planning Activities		\$1,953,500	\$13,886	\$1,433,000	\$3,386,500	\$3,400,38
City of Vacaville		φ1,000,000	 10 ,000	φ1,100,000	\$0,000,000	\$0,100,00
General Salinity Public Education and	To increase awareness of salinity impacts to the wastewater					
Outreach	treatment plant effluent and environment.		\$13,886		\$0	\$13,88
Central Valley Clean Water Association			+ · •,• • •		+-	<i> </i>
Variance Basin Plan Amendment	Provides the regulatory option while CV-SALTS is developed to					
Assistance	participate in CV-SALTS and ultimate long term solutions rather					
	than immediate low benefit projects.	\$129,744			\$129,744	\$129,74
CV-SALTS Committee and Engagement	Supports CV-SALTS and CVCWA Members by engagement on	· · ·			• •	. ,
Support	work of CV-SALTS meetings, committees, for technical &					
	regulatory support towards a long-term sustainable solution.	\$53,200		\$50,000	\$103,200	\$103,20
Central Valley Salinity Coalition						
Support for Administration Facilitation	CVSC provides support for CV-SALTS Committees, Committee					
• •	meetings, website, logistics and for Coalition Building supporting					
	SNMP. Providing support for TAC Chair and specialty					
	consultants.	\$1,082,844		\$1,308,000	\$2,390,844	\$2,390,84

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Type of Contribution		Cost to Date		Total		
Agency			Permit	Projected	Total	Total
Project/Effort Name	Contributes to CV-SALTS by:	Voluntary	Required	2015/16 +	Voluntary	All
Pilot Salt and Nutrient Source	The Salinity Coalition funded and managed study as a					
Identification Study	predecessor to SNMP, covering approximately 10% of the Central					
	Valley. The consultants performed work in addition to the scope					
	paid	\$519,712			\$519,712	\$519,712
Dairy Cares/Western United Dairymen						
Stock Water Quality Criteria Study	Study to document the water quality criteria of stock animals for					
(FREP Grant)	salt and nitrates to support CV-SALTS standard setting processes	* ***			* ***	* ***
	and planning	\$29,000			\$29,000	\$29,000
Tulare Lake Drainage District	Todaya baha baha baha ata anti anti-anda ana anti-anti-anti-ana baha di a					
Committee Chair Support	Tulare Lake interests authorized a consultant familiar with the					
	Central Valley needs and Ag interests to participate in CV-SALTS as the TAC Chair.	\$50,000		\$25,000	\$75,000	\$75,000
California Rice Commission		\$50,000		φ25,000	\$75,000	\$75,000
Consultant Participation and Support	Agricultural Coalitions and interested funded consultants to					
Consultant i anticipation and Support	participate on their behalf in CV-SALTS committees and assist in					
	outreach development and in meetings.	\$54,000		\$50,000	\$104,000	\$104,000
City of Dixon		<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>		<i>400,000</i>	<i>\</i>	φ101,000
Committee Chair Support	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.	\$35,000			\$35,000	\$35,000
Gathering Water Quality Information		\$3,173,000	\$2,803,121	\$228,207	\$3,401,207	\$6,204,328
City of Vacaville						
Household Self Regenerating Water	Determines contribution of salinity, if any, from residential water					
Softener Study	softeners relative to baseline levels from homes without water					
	softeners.		\$61,391		\$0	\$61,391
Conduct Electrical Conductivity	Quantify contribution of salinity from sanitary sewer service areas					
Monitoring in Sanitary Sewer System	based on continuous measurement of electrical conductivity.		\$ 00.070		\$ 0	* ~~ ~ ~ ~
O and that O'there'de Wastern Os (the an Ostrono	To able in an estimate of the number location, and there and		\$28,678		\$0	\$28,678
Conduct Citywide Water Softener Survey						
	status of water softeners installed at residential, commercial, and		\$37,886		\$0	\$37,886
Industrial User Monitoring of Source	industrial addresses. Determine maximum salinity mass loading reduction by		\$37,000		φυ	φ37,000
Water and Wastewater	determining change in salinity from source water to wastewater.		\$17,856		\$0	\$17,856
Major industrial users conduct Salinity	To quantify salinity sources of various waste streams generated		ψ17,000		ψυ	ψ17,000
Source Identification Studies	within major industrial permitted industries.		\$120,000		\$0	\$120,000
US Bureau of Reclamation			<i><i><i>q</i>.20,000</i></i>		÷.	¢:=0,000
West Side SJR Salt and Nutrient Source	Provides information on the sources of salts and nitrated focused					
Study	on the West side of the San Joaquin River and coordinated with					
	data needed for CV-SALTS.	\$425,000		\$150,000	\$575,000	\$575,000
Ironhouse Sanitary District						
Salinity Management Plan	Determining sources of salinity from a 95% domestic system		\$37,310		\$0	\$37,310
EKI Consultants						

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Agency			Permit	Projected	Total	Total
Project/Effort Name	Contributes to CV-SALTS by:	Voluntary	Required	2015/16 +	Voluntary	All
Turlock Salt Management Study	Independent Study of the Turlock basin for Salt Balance	¢50.000			¢50.000	¢50.000
LWA Team of Consultants	contributed to CV-SALTS.	\$50,000			\$50,000	\$50,000
	$\sum_{i=1}^{n} \frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \sum_{i$					
Value Added ICM Report Contribution	Ensuring that the innovative work that was completed for CV- SALTS met the original scope of work and provided a solid foundation for the Phase II Conceptual Model. Costs in excess of amount billed.	\$568,000			\$568,000	\$568,000
Dairy Cares/Western United Dairymen						
Representative Monitoring Program	Conducts groundwater monitoring on 45 dairies/300 monitoring wells plus dairy operating and physical conditions to assess management practices. Provides info to CV-SALTS	\$2,130,000	\$2,500,000	\$78,207	\$2,208,207	\$4,708,207
mplementation Activities to Manage Salt and Ni	trate	\$32,490,086	\$4,230,304	\$4,000,000	\$36,490,086	\$40 720 390
Grassland Area Farmers		ψ32,430,000	ψ+,200,00+	φ4,000,000	ψ00,400,000	ψ+0,720,000
	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.	\$16,921,215	\$4,230,304	\$4,000,000	\$20,921,215	\$25,151,519
Grasslands Area Firebaugh Canal WD	Many projects which reduce salinity through reduction of seepage					
salinity reduction projects	from canals which result in problematic saline waters in the environment. Only local funding share shown.	\$9,545,000			\$9.545.000	\$9,545,000
US Bureau of Reclamation		\$0,010,000			\$0,010,000	\$0,010,000
Real Time Management Studies and	Research and coordination on an alternative for management of					
efforts	salt in the San Joaquin River to improve water quality and more efficiently use dilution waters.	\$725,000			\$725,000	\$725,000
Tulare Lake Drainage District (TLDD)						\$0
Spray Field (Enhanced Evaporation) project with Small Micron Nozzles (120)	Full Scale trial project utilizing "enhanced evaporation" over ponded water in a basin cell employing closely spaced small					
Acres	micron spray heads for drainage water disposal	\$5,263,606			\$5,263,606	\$5,263,606
Dairy Cares/Western United Dairymen						\$0
California dairy industry-wide study of salinity sources and management practices	Study identified main salinity sources on dairies, irrigation water/feeds and identified management practices used to reduce or minimize salinity	\$35,265			\$35,265	\$35,265
					, ,	
Dngoing Agency Efforts That Parallel and are .inked to CV-SALTS		\$11,000,000	\$0	\$2,200,000	\$13,200,000	\$13,200,000
CA Department of Water Resources						
Agricultural Drainage Program	Participating in the CV-SALTS program and conducting the Ag. Drainage Program which activities are compatible with the goals of the CV-SALTS.	\$9,750,000		\$1,950,000	\$11,700,000	\$11,700,000
San Joaquin River Real-time Water Quality Monitoring	Meeting SJR water quality objectives for salinity near Vernalis and preserving high quality New Melons water while lowering salt concentrations entering the Delta.			\$250,000		\$1,500,000

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Agency Project/Effort Name	Contributes to CV-SALTS by:	Voluntary	Permit Required	Projected 2015/16 +	Total Voluntary	Total All
Total Volu	intary Contributions, Regulatory Required and Agency Efforts:	\$56,181,499	\$7,253,751	\$8,555,396	\$64,736,895	\$71,990,646