



**KINGS RIVER**  
WATER QUALITY COALITION

## KINGS MANAGEMENT ZONE

Charlotte Gallock (cgallock@krcd.org)  
Debra Dunn (ddunn@krcd.org)  
559-237-5567  
Kings River Water Quality Coalition  
Kings River Conservation District  
August 27, 2020

1

## VIRTUAL MEETING PROTOCOLS

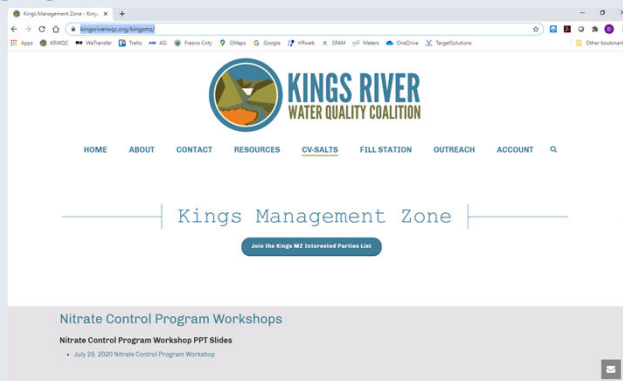
- As an Attendee:
  - You are muted.
  - Use the “Raise Hand” button to ask questions.
  - To un-mute yourself to ask a question (once acknowledged by the speaker)
    - Computer: Teams audio control
    - Phone: \*6 on keypad
  - Chat feature
    - Attendance / Introductions
    - Report technical problems. We will assist if we are able.

2

2

## ONLINE RESOURCES

- **Kings Management Zone:** <https://kingsriverwqc.org/kingsmz/>
  - Interested Parties List
  - Meeting Agendas
  - Slides



3

3

## AGENDA

**Objective: Initiate technical, governance, cost sharing discussions for Kings Management Zone**

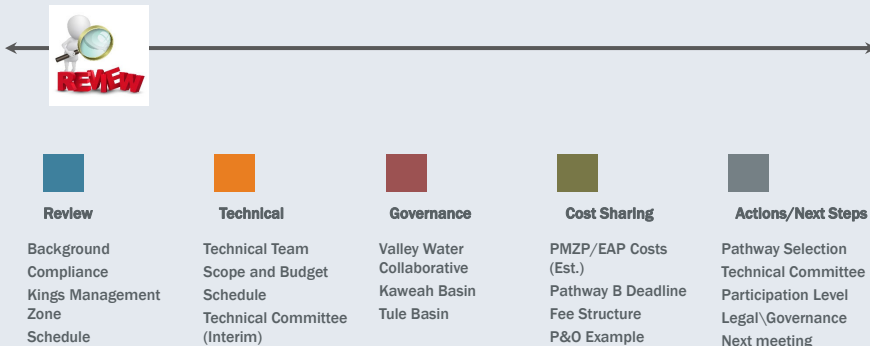


4

4

## AGENDA

**Objective: Initiate technical, governance, cost sharing discussions for Kings Management Zone**



5

5

## BACKGROUND: HISTORY

- **Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS)**
- **Collective effort to manage nitrate and salt discharges**
- **Stakeholders discussions on how to balance maintaining a strong economy and discharges while ensuring safe drinking water:**
  - Government agencies (Federal, State, Local)
  - Permitted Dischargers
    - Irrigated Agriculture
    - Dairy and Confined Animal Facilities
    - Municipalities (Treatment Facilities)
    - Industrial & Food processors
  - Environmental justice groups

6

6

## BACKGROUND: POLICY

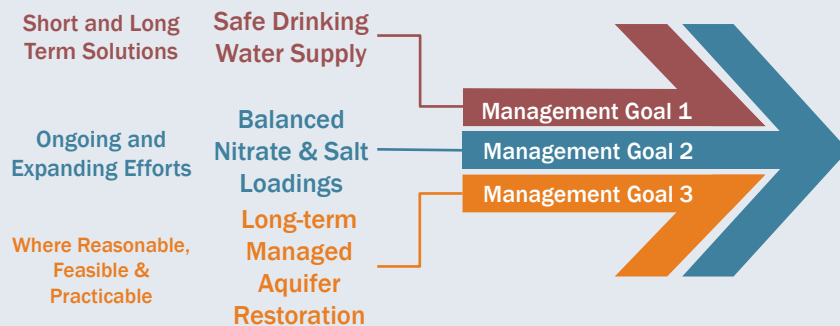
- Establishment of Central Valley-wide Salt and Nitrate Control Program: Salt and Nitrate Management Plan (SNMP)
  - Adopted October 16, 2019: Amends WDRs and GOs
  - Strong regulatory, technical, and policy foundation
  - Amendments to existing Basin Plans to include new and revised regulations allowing for flexibility to manage salts and nitrates locally while providing safe drinking water supplies
  - Additional Information: [CVSALTS.info](http://CVSALTS.info)

7

7

## NITRATE CONTROL PROGRAM: GOALS

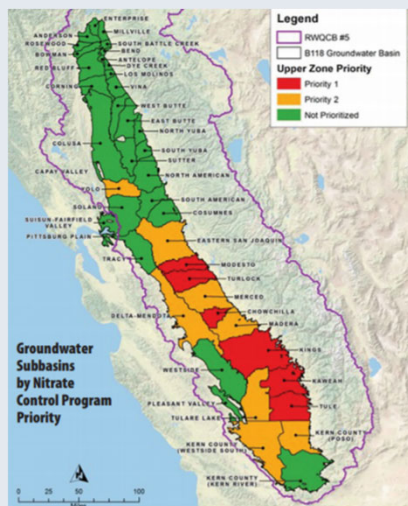
### NITRATE CONTROL PROGRAM GOALS



8

8

## NITRATE CONTROL PROGRAM: PRIORITY GROUNDWATER BASINS\SUBBASINS



### Groundwater Basin\Subbasin

- **Priority 1: Modesto, Turlock, Chowchilla, Kings, Kaweah, Tule**
- **Priority 2: Yolo, Eastern San Joaquin, Delta-Mendota, Merced, Madera, Tulare Lake, Kern County (Westside South), Kern County (Poso)**

9

9

## NITRATE CONTROL PROGRAM: PATHWAYS

### NITRATE MANAGEMENT STRATEGY



IMPLEMENTED BY GROUNDWATER BASIN/SUBBASIN PRIORITY DESIGNATION UPON RECEIPT OF A NOTICE TO COMPLY (LATE MAY 2020)

### Nitrate Compliance Pathways

**Path A:**  
Individual Permitting Approach

**Path B:**  
Management Zone Permitting Approach

10

10

## NITRATE CONTROL PROGRAM: PATHWAY B

### ■ Pathway B – Management Zone Benefits

- Ensure safe drinking water to those who need it
- Avoid “going it alone” under demanding individual permit (Pathway A)
- Establish local control and more flexibility than under past regulations
- Adapt management to local conditions
- Supports a vision that manages nitrate for a viable local economy and community
- Share resources, costs, and knowledge
- Protect water resources over the long-term

11

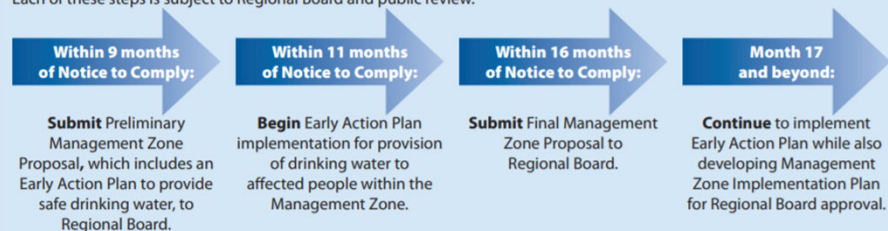
11

## NITRATE CONTROL PROGRAM: PATHWAY B

### ■ Pathway B – Deadlines for Priority 1 Subbasins

#### Deadlines for Priority 1 Subbasins

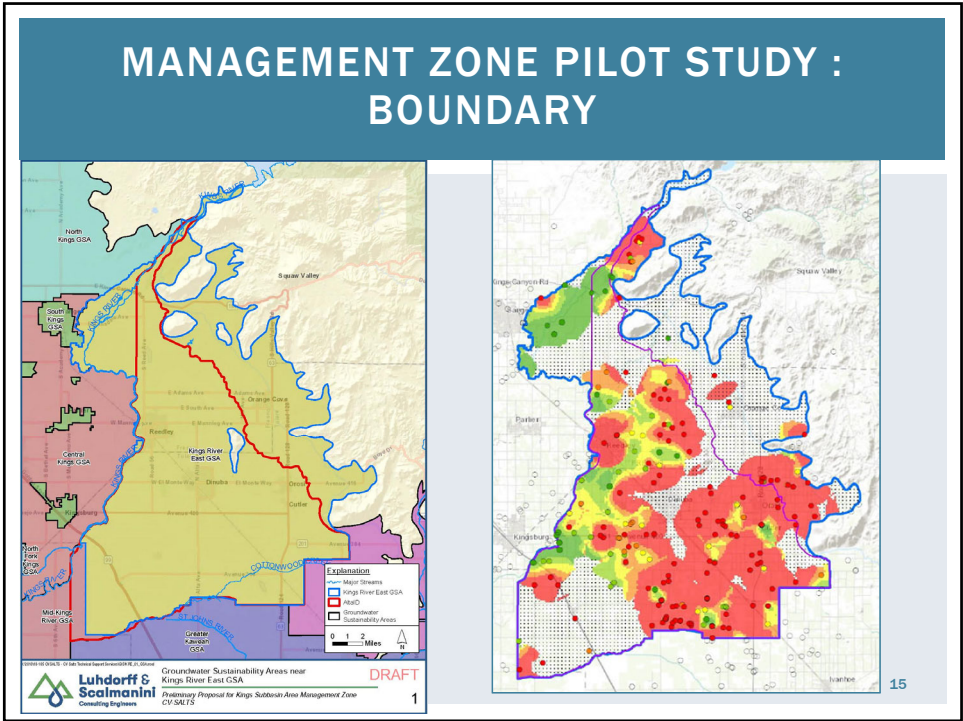
Regulated dischargers face tight timelines for forming Management Zones. Each of these steps is subject to Regional Board and public review.



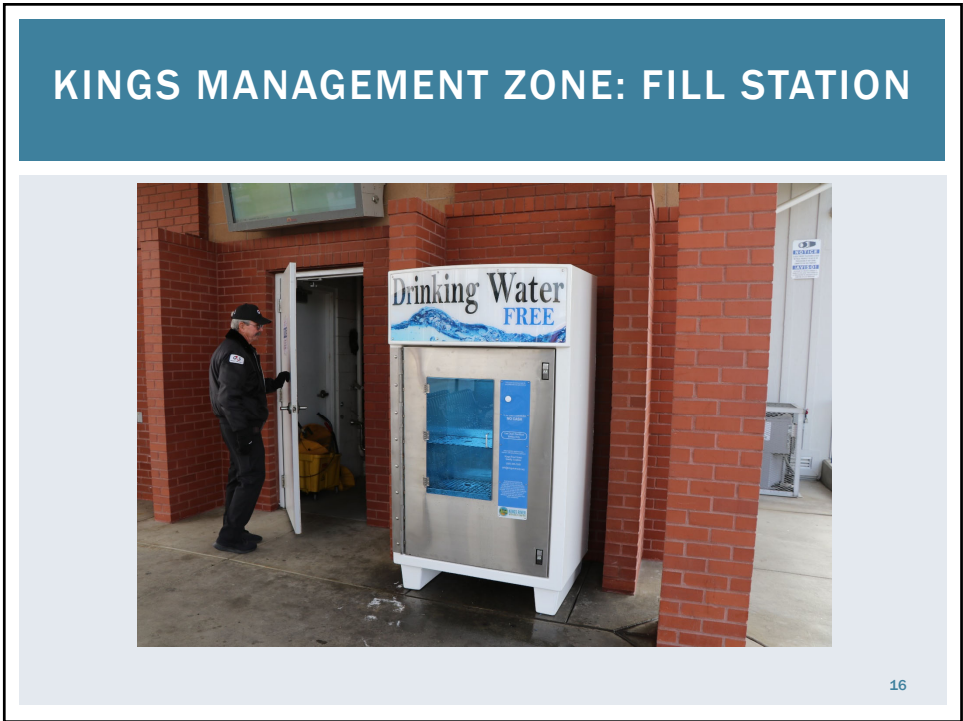
12

12





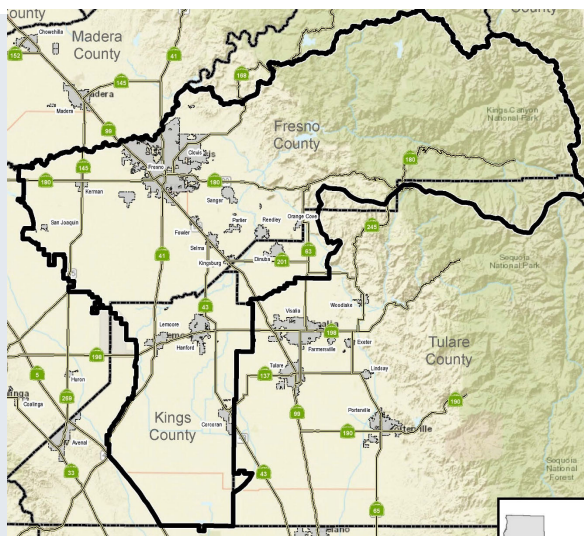
15



16



## KINGS MANAGEMENT ZONE



17

17

## KINGS MANAGEMENT ZONE: OUTREACH



### Permitted Dischargers

Irrigated Agriculture  
Food Processors  
Animal Operations  
Municipalities



### Non-Dischargers/Stakeholders

County Agencies  
Water Systems  
Community Services  
GSAs  
Industry/Trade  
Environmental Justice



### Community/Residents

Nitrate-impacted  
communities and  
residents

18

18



19



20

## TECHNICAL

### ■ Scope and Budget

Tasks	Lead	Labor	Expenses	Total Cost
<b>Task 1 – Project Management/Coordination</b> • Coordination Calls	LSCE/GEI	\$8,000	\$0	\$8,000
<b>Task 2 – Management Zone Boundary Delineation</b> • Proposed & Final Boundary • Technical/Regulatory Justification	LSCE	\$10,864	\$0	\$10,864
<b>Task 3 – Characterization of Management Zone</b> • Geography (SW/GW, hydrology, etc.) • Jurisdiction (cities, counties) • Land Use • Septic Use • GSAs • Water Districts • Coalitions • DACs/DUGs	LSCE	\$19,076	\$0	\$19,076
<b>Task 4 – Initial Assessment of Groundwater Conditions</b> • Data Sources and Acquisition • Data Analysis (hydrogeology: GW elevations and flow; Upper Zone delineation; Nitrate water quality; nitrate geostatistical interpolation) • Initial Assessment	LSCE	\$40,760	\$0	\$40,760
<b>OPTIONAL Task 4 – Additional Chemical Constituent GWQ Analysis</b> • Compilation of one chemical constituent groundwater quality data from publicly and privately available databases • Assessment of one chemical constituent of groundwater quality data (statistical analysis, identification of potentially impacted areas) • PWS and Domestic Well Identification & Evaluation	LSCE	\$33,944	\$0	\$33,944

21

21

## TECHNICAL

### ■ Scope and Budget

Tasks	Lead	Labor	Expenses	Total Cost
<b>Task 5 – PWS and Domestic Well Identification &amp; Evaluation</b> • Nitrate-Impacted Areas • Public Water Supply Systems (PWS, State Smalls, Local Smalls) • Potentially-Impacted Public Supply Wells and Systems • Public Water System Delivered Water Treatment Status • Potentially-Impacted Domestic Wells	LSCE	\$18,152	\$0	\$18,152
<b>Task 6 – Identification of and Coordination with Management Zone Participants</b> • Coordinate with KRCD staff/project proponents regarding participation of Dischargers and Non-Dischargers (assumed up to 40 individual dischargers)	GEI	\$19,620	\$0	\$19,620
<b>Task 7 – Nitrate Treatment &amp; Control Practices</b> • Coordinate with KRCD staff/project proponents on the preparation of Draft/Review Summaries pertaining to Individual Dischargers (assumed up to 40 participating individual dischargers and that KRCD staff/project proponents would address permittees under General Orders) • Coordinate with project proponents to prepare Final Summaries	GEI	\$21,050	\$0	\$21,050
<b>Task 8 – Early Action Plan</b> • Prepare EAP Drafts (3) with Comment/ Response Table	GEI	\$23,846	\$0	\$23,846

22

22

# TECHNICAL

## Scope and Budget

Tasks	Lead	Labor	Expenses	Total Cost
<b>OPTIONAL: Task 8b – Support for Additional Early Action Plan Components</b>				
• Support Early Identification of Filling Station Locations (if included in the EAP) for the remainder of the MZ (outside of the Kings River East/AID area)	GEI	\$61,276	\$0	\$61,276
• Develop Final Budget through Coordination with Vendors				
• Support Development of Funding Mechanism				
<b>OPTIONAL: Task 9 – Governance Development Support</b>				
• Prepare Materials for MZ Management Committees (e.g., Finance, Governance)	LSCE/GEI	\$35,050	\$600	\$35,650
• Attend up to 6 Meetings				
<b>Task 10 – Stakeholder Meetings</b>				
• Two in-person meetings	LSCE/GEI	\$21,364	\$1,350	\$29,522
• Teleconferences (4 total)/Email				
• <i>More participation as needed on a time and materials basis</i>				
<b>Task 11 – Preliminary Management Zone Proposal (including EAP)</b>				
• Administrative Draft PMZP	LSCE/GEI	\$58,181	\$0	\$58,181
• Public Draft PMZP				
• Revised Draft PMZP Proposal				
• Final PMZP				
<b>Estimated Cost to Develop Preliminary Management Zone Proposal</b>		<b>\$247,721</b>	<b>\$1,350</b>	<b>\$249,071</b>
<b>Estimated Cost to Develop Preliminary Management Zone Proposal with One (1) Additional Chemical Constituent Analysis and Optional EAP Components and Governance Support</b>		<b>\$377,991</b>	<b>\$1,950</b>	<b>\$379,941</b>

23

23

# TECHNICAL



Kings/Tulare Lake Management Zone  
Project Schedule

7/22/20

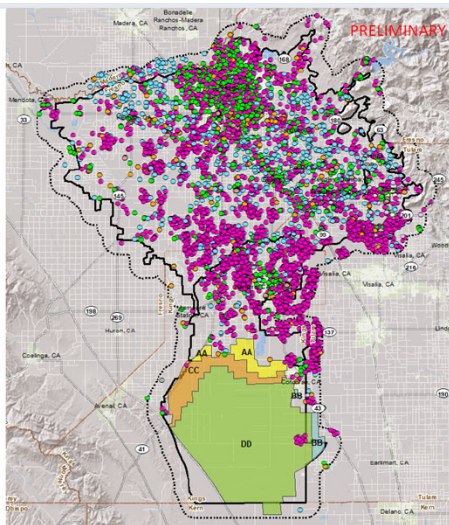
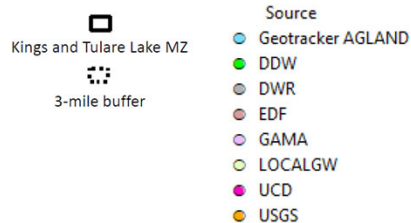


24

24

## TECHNICAL

### All Post-2000 Nitrate Data From Public Sources



25

## TECHNICAL

### Publicly Available Post-2000 Nitrate GW Data in the Kings/Tulare Lake 3-Mile Buffer

PRELIMINARY

#### Post-2000 Nitrate Well Inventory

Well Type	Data Source								Total
	Geotracker AGLAND	DDW	DWR	EDF	GAMA	Local GW	UCD	USGS	
Domestic Monitoring Well	713			290	36	15			1003
Municipal Well		1091					128		1219
Water Supply Well (UCD)							3266		3266
Unknown			1				191		192
<b>Total</b>	<b>713</b>	<b>1091</b>	<b>1</b>	<b>290</b>	<b>36</b>	<b>15</b>	<b>3266</b>	<b>319</b>	<b>5731</b>

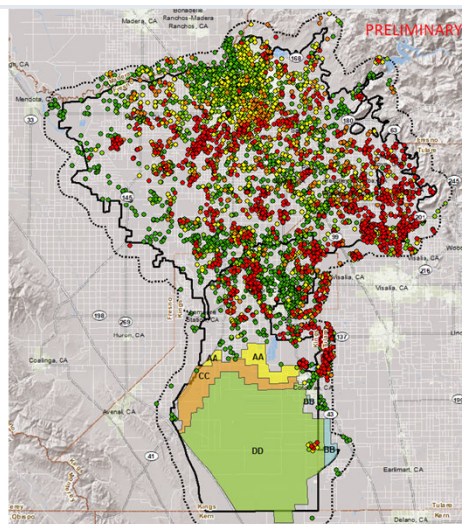
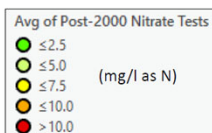
Well Depth	Number of Wells
<100	245
100-250	332
250-500	220
500-750	86
750-1,000	17
>1,000	34
Unknown	4,797
<b>Total</b>	<b>5,731</b>



26

## TECHNICAL

Average Post-2000  
Nitrate Groundwater  
from Publicly Available  
Data Source  
All Wells within a 3-mile buffer  
of Kings/Tulare Lake Subbasins



27

## TECHNICAL

### Next Steps Including Non-publicly available data request

- Non-Publicly Available Data:
  - Review CV-SALTS Kings Subbasin water quality dataset
  - Contact County Departments of Public Health: Fresno County, Kings County, and Tulare County
    - Small water systems
    - Community water systems
    - Domestic well samples from well installation
  - Contact UCD to further investigate UCD wells (3,266 wells with nitrate data) to assist in depth categorization
- Reconcile wells with newer data from CV-SALTS HiRes and KAMZ groundwater quality databases to supplement Upper Aquifer data as possible
- Once all nitrate data is compiled and categorized by depth category, perform Spatial Interpolation (Identify gap areas)
- Identify supply wells impacted by elevated nitrate
- Identify number of domestic wells impacted by elevated nitrate
- Estimate population impacted by elevated nitrate



28

28

## TECHNICAL

### ■ Technical Committee (Interim)

- Should be committed to Pathway B
- Assist, review, and advise Technical Team
- Duties
  - Attend and actively participate in technical meetings
  - Offer recommendations
  - Provide input
  - Review materials
- Time commitment
- Possibility of quick deadlines and/or meeting notification

29

29

## TECHNICAL

### ■ Technical Committee (Interim)

- 6 – 8 Members

General Order/WDR	Permitted Dischargers
Irrigated Agriculture <sup>1</sup>	1
Animal Feeding (Dairy/Confined Bovine/Poultry)	348
Food Processing	44
WWTP/Municipal	40
Wine	12
Industrial/Manufacturing	8
Recreation	8
Mobile Home Park	4
Energy	3
Onsite Wastewater Treatment System	2
Unknown	10
<b>Total</b>	<b>480</b>

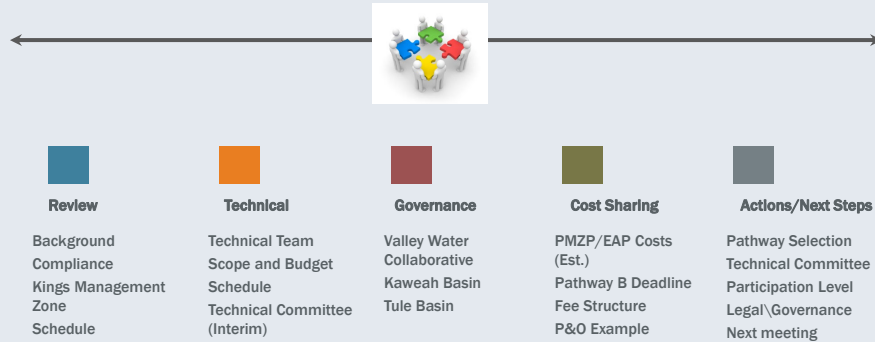
1. Irrigated Agriculture: 3,486 Members and 764,667 irrigated acres.

30

30

## AGENDA

**Objective: Initiate technical, governance, cost sharing discussions for Kings Management Zone**



31

31

## GOVERNANCE

- **Valley Water Collaborative (Turlock)**
  - Nonprofit Public Benefit Corporation
  - Board of Directors: 12 Directors
    - 3 East San Joaquin Water Quality Coalition (ESJWQC)
    - 2 Central Valley Dairy Representative Monitoring Program (CVDRMP)
    - 7 appointed by ESJWQC and CVDRMP from following groups
      - Wine
      - Poultry
      - Municipalities (3)
      - Industrial/Manufacturing (1)
      - Food Processing (1)
  - Start-Up
    - \$5,000/\$10,000 (Group)

32

32



## GOVERNANCE

### ■ Kaweah Basin

- Nonprofit Public Benefit Corporation
- Board of Directors: 5 Directors (current – still open)
  - 3 Kaweah Basin Water Quality Association (KBWQA)
  - 2 Central Valley Dairy Representative Monitoring Program (CVDRMP)
  - Other Dischargers considered for Board Seat (8/21 meeting)
- Start-up
  - \$10,000

33

33

## GOVERNANCE

### ■ Tule Basin

- Tule Basin Water Quality Coalition (TBWQC)
  - Managed and lead
  - Re-organization of current structure to non-profit
  - TBWQC Board
    - Special advisory committee for CV-SALTS
  - Agreements with dischargers (TBD)
  - Fee Structure (TBD)

34

34

# GOVERNANCE

- **Recommendation**
  - **Nonprofit Public Benefit Corporation**
  - **Board of Directors: 5 - 9 Directors**
    - 3 Kings River Water Quality Coalition
    - 2 Central Valley Dairy Representative Monitoring Program (CVDRMP)
    - 2 - 4 Dischargers or Discharger Groups to be considered for Board Seat
      - Poultry
      - Food Processing
      - Municipalities
      - Wine
  - **Start-up**
    - \$10,000
  - **Fee Structure - TBD**
    - Tiered
    - Other

35

35

# AGENDA

**Objective: Initiate technical, governance, cost sharing discussions for Kings Management Zone**



Review	Technical	Governance	Cost Sharing	Actions/Next Steps
Background Compliance Kings Management Zone Schedule	Technical Team Scope and Budget Schedule Technical Committee (Interim)	Valley Water Collaborative Kaweah Basin Tule Basin	PMZP/EAP Costs (Est.) Pathway B Deadline Fee Structure P&O Example	Pathway Selection Technical Committee Participation Level Legal\Governance Next meeting

36

36

## COST SHARING

### ■ Preliminary Management Zone Proposal/Early Action Plan Submittal

- Estimated Costs: \$350,000 - \$400,000
  - Technical: \$250,000+
  - Governance/Legal Fees: TBD
  - Outreach: TBD

37

37

## COST SHARING

### ■ Estimated Costs (AID/KRE GSA Pilot Study) to implement EAP

7/26/2019 Revised Draft - Work in Progress For Discussion Purposes Only

Draft Table 6-2

Work Type	Work Subtype	Specific Tasks	Assumptions/Notes	Year 1		Year 2		Annual Costs - Year 3-5	
				Labor*	Expenses	Labor*	Expenses	Labor*	Expenses
Outreach	Website Development & Management	Website Development	Initial 80 hours to set up; 4 hrs/month to maintain	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ -
		Informational Materials Development	Labor: 120 hours to develop base materials; 8 hrs/month to update and maintain; Expenses: Printing budget	\$ 25,200	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 2,500
		Coordination with Non-Resident Agencies	Labor: 16 hrs/month initial six months; 8 hrs/month long term	\$ 21,000	\$ -	\$ 21,000	\$ -	\$ 16,000	\$ -
		Public Notice Mechanism Established/Managed	Labor: 40 hours initially; 4 hrs/month long term; Expenses: Assumed cost of 220 thousand reports; Purchase one meeting facility; 10,000 reports purchased each year	\$ 9,600	\$ 1,000	\$ 10,000	\$ 7,200	\$ 1,000	\$ 10,200
	Community Outreach Meetings	Public Notice Events	Labor: 28 hrs/month; initial four of 5 meeting notices; 4 to 8 P&AP facility notices at 8 hrs/notice	\$ 7,200	\$ -	\$ 7,200	\$ -	\$ 7,200	\$ -
		Initial Meeting	Three outreach meeting rounds; Labor: 40 hrs meeting round	\$ 6,000	\$ 1,000	\$ 7,000	\$ -	\$ 50	\$ -
		2nd Meeting	Expenses: Supplies; printing; purchasing meeting facility or equipment rental	\$ 6,000	\$ 1,000	\$ 7,000	\$ -	\$ 50	\$ -
		3rd Meeting		\$ -	\$ -	\$ 50	\$ 1,000	\$ -	\$ 1,000
	Resident Identification	Identify Residents; Prepare Mailing List	Costs based on Survey Program Experience w/ 3,500 households to account for estimated higher number of residents	\$ 90,000	\$ -	\$ 90,000	\$ -	\$ 50	\$ -
		Field Site Selection	Identify land/property owners who will support program; establish agreements	\$ 24,000	\$ -	\$ 24,000	\$ -	\$ 50	\$ -
Temporary Water Provision Programs	Water Filling Operations (up to 6 stations)	Design and Obtain Approvals for Water Filling Stations	Estimated at 180 hrs/operation (6 in first year; 2 second year)	\$ 96,000	\$ -	\$ 96,000	\$ -	\$ 40,000	\$ -
		Install Filling Stations	Estimated at 210,000/operation (2 installed in first year; 4 installed in second year)	\$ -	\$ 40,000	\$ 40,000	\$ 120,000	\$ 50	\$ -
		Operate/Maintain Filling Stations (One for Travel)	Labor: 40 hrs/year; station to maintain; Expenses: \$1,500 cost for water supply station	\$ 6,000	\$ 1,500	\$ 7,500	\$ 30,000	\$ 9,000	\$ 40,000
		Develop & Manage Vendor-supplied Water Facilities	Labor: Station agreements/notice for 2 facilities (1 in first year; 1 in second year)	\$ 6,000	\$ -	\$ 6,000	\$ -	\$ 50	\$ -
	Vendor-supplied Facilities (up to 2 facilities)	Operate/Maintain Facilities	Expenses: Cost of water/month; Assumed 25.5-gallon containers; 10 containers/month; Purchase 200 household monthly public water (10 per day); Assumed cost for clean water (containers on property)	\$ -	\$ 60,000	\$ 60,000	\$ -	\$ 120,000	\$ 120,000
				\$ -	\$ 60,000	\$ 60,000	\$ -	\$ 120,000	\$ 120,000

38

38

## COST SHARING

### ■ Estimated Costs (AID/KRE GSA Pilot Study) to implement EAP

7/26/2019 Revised Draft - Work in Progress For Discussion Purposes Only

Work Type: Alternative Water Provision Programs, Work Subtype: Alternative Water Provision Programs, Assumptions/Notes: See above														
Work Type	Work Subtype	Specific Tasks	Assumptions/Notes	Year 1		Year 2		Year 2 Total		Annual Costs - Year 3 FF		Annual Total		
				Labor*	Expenses	Labor*	Expenses	Labor*	Expenses	Labor*	Expenses			
Temporary Water Provision Programs	Alternative Water Programs	Conduct Mailout	Labor: Prepare mailout for estimated 2,500 residences (see materials prepared above). Expenses: Postage, printing.	\$ 12,000	\$ 2,500	\$14,500	\$ -	\$ -	\$0	\$ -	\$0	\$ -	\$0	
		Provide Requests to Participate	Labor: Review requests, prepare responses. Follow-up with residents as needed.	\$ 12,000	\$ -	\$12,000	\$ 6,000	\$ -	\$6,000	\$0	\$ -	\$0	\$ -	\$0
		Water Testing	Labor: Coordinate with residents and collect water samples (8 samples/day at 500 residences x 80 days). Expenses: Of 2,500 houses included each, 250 houses to participate in AWP (500 residences) and have well tested at \$30/year (100 in Year 1, 100 in Year 2).	\$ 15,000	\$ 9,000	\$10,800	\$ 40,000	\$ 12,000	\$72,000	\$0	\$ -	\$0	\$ -	\$0
		Follow-up Water Testing	Annually, 100 residents request re-testing, completed over 2 days at \$20/cost.	\$ -	\$ -	\$0	\$ 6,000	\$ 1,500	\$7,500	\$16,000	\$ 1,500	\$17,500	\$ -	\$17,500
		Establish Vendors	Establish and manage agreements with bottled water delivery and POU treatment system (initial costs, long term management fees).	\$ 7,200	\$ -	\$7,200	\$ -	\$ -	\$0	\$0	\$ -	\$0	\$ -	\$0
		Bottled Water Program	Labor: Administer Program. Expenses: Delivery Bottled Water - Estimated at \$600/household/year or \$67/month (500 households included at Year 1 and 100 households for Year 2). Assumed 100 of 250 households choose bottled water. 50 households by end of Year 1, the first 3 months. 100 households by end of 18 months, 100 by end of Year 2.	\$ 9,600	\$ 10,000	\$10,800	\$ 16,400	\$ 100,300	\$116,900	\$16,400	\$ 100,600	\$116,900	\$ -	\$116,900
		Implement AWP	Install POU Treatment System. Labor: Administer Costs at 8 hrs/month. Expenses: POU system install. \$600/household (500 x \$1200/household/year). Assumed 100 of 250 households choose POU. 25 installed by end of Year 1, 75 more installed by end of 18 months, 25 more installed by end of Year 2. Maintenance costs shown beginning of Year 3.	\$ 9,600	\$ 15,000	\$10,800	\$ 16,400	\$ 45,000	\$58,400	\$16,400	\$ 15,000	\$18,400	\$ -	\$18,400
		Manage AWP Vendor management, resident follow-up	Labor to follow-up with each residence participating in AWP, address identified problems, manage vendor (2 days/week follow-up).	\$ 9,600	\$ -	\$9,600	\$ 24,000	\$ -	\$24,000	\$16,400	\$ -	\$16,400	\$ -	\$16,400
		Monitoring Program	Gather data from POU's, AWP, enter into database, data and logs as needed (site monitoring not included).	\$ -	\$ -	\$0	\$ 10,000	\$ -	\$10,000	\$10,000	\$ -	\$10,000	\$ -	\$10,000
		Reporting (incl. AWP's Report)	Prepare status report.	\$ 18,000	\$ -	\$18,000	\$ 6,000	\$ -	\$6,000	\$18,000	\$ -	\$18,000	\$ -	\$18,000
Totals				\$ 102,300	\$ 181,000	\$183,200	\$ 293,200	\$ 143,800	\$712,300	\$ 155,400	\$ 188,600	\$243,900	\$ -	\$243,900

\*Labor cost based on an average value rate of \$15/hr.

39

39

## COST SHARING

- **Future Costs (TBD)**
  - FMZP after Board review
  - EAP Implementation
  - MZIP Development: Solutions implemented over the short/long-term
  - MZIP Implementation
- **Future Cost Considerations**
  - Yearly fee fluctuations
  - Steady State (Reserve build-up)
- **Pathway B Selection Deadline:**
  - Founding Member: Early notification with no fees
  - Team Member: Late notification with fees
- **Fee Structure - TBD**
  - Start-up \$5,000/\$10,000/Other
  - Committee
  - Member/Participant

40

40

## COST SHARING

### ■ P&O Study For Salt Compliance

P&O Fee Summary by Industry/Permit Type

Type/Indust.	Communities	Irrigated Ag Coalitions	Dairy	Food Proc	Wine	Oil/Gas	Others **	Total ***
Total Cost	\$493,000	\$496,182	\$57,750	\$128,100	\$77,550	\$160,000	\$87,500	\$1,500,082
Percentage	32.9%	33.1%	3.9%	8.5%	5.2%	10.7%	5.8%	100.0%
Permits/WDRs	250	14	1100	183	118	1000	350+	3500+
Each*	\$250-\$12,500	\$3,200-\$100,000	by acreage	\$700	\$250-\$3,000	\$160/fac	\$250 min	

\* Most permit types contribute on sliding scale for size, salinity and other factors

\*\* All Other Permit Types are a minimum of \$250 by permit

\*\*\* Total includes P&O Study plus collection and overhead

\*\*\*\* Indicated Path A Intention - Cost reallocated to ILRP

Communities	Irrigated Ag Coalitions	Dairy	Wine
POTW and/or RECYCLED	Salt Factors	90%-110%	125%
by MGD \$350-\$12,500	By Coalitions Acreage	Annual	of Ag Rate
WDR - SSO/COLLECTIONSYSTEM	Sacramento Valley****	\$100,586	Paid via
by size \$150-\$300	San Joaquin County/ Delta	\$34,703	Dairy RMP
WDR - WATER TREATMENT	Eastern San Joaquin	\$58,584	WDR <50K C
by MGD \$350-\$12,500	Western San Joaquin	\$40,039	WDR 50-200 C
LANDFILL \$300	Grasslands Drainage Area	\$7,471	WDR >200 C
	Westlands	\$45,248	Total
	Kings River WSC	\$71,469	
	Kaweah Basin	\$15,112	
	Tule Basin ****	\$21,438	
	Carwelo Water District	\$3,223	
	Westside WDC	\$9,157	
	Kern River WCA	\$48,492	
	Buena Vista Coalition	\$2,861	
	Rice Commission	\$37,800	
	Total Acres	\$496,182	

Oil and Gas
Entities number of facilities (Ponds)
Each Permitted Facility

41

41

## COST SHARING

### ■ P&O Study For Salt Compliance

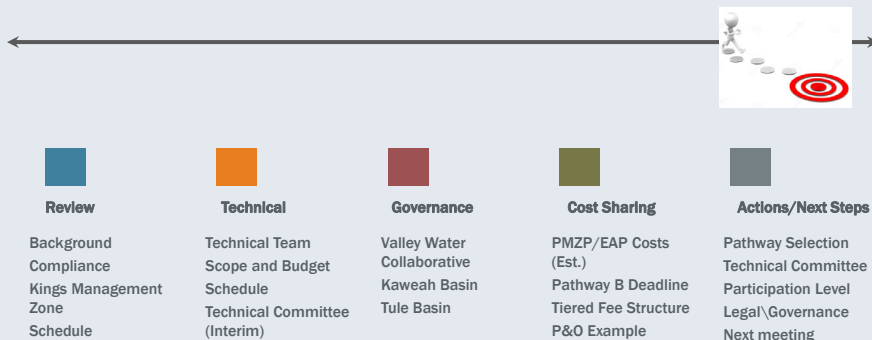
General Order/WDR	Permitted Dischargers
Irrigated Agriculture <sup>1</sup>	1
Animal Feeding (Dairy/Confined Bovine/Poultry)	348
Food Processing	44
WWTP/Municipal	40
Wine	12
Industrial/Manufacturing	8
Recreation	8
Mobile Home Park	4
Energy	3
Onsite Wastewater Treatment System	2
Unknown	10
<b>Total</b>	<b>480</b>
1. Irrigated Agriculture: 3,486 Members and 764,667 irrigated acres.	

42

42

## AGENDA

**Objective: Initiate technical, governance, cost sharing discussions for Kings Management Zone**



43

43

## ACTION ITEMS/NEXT STEPS

- **Determine your Pathway (A or B) and notify the KRWQC**
- **Volunteer for consideration for the Technical Committee (interim) – should be committed to Pathway B**
- **Consider the Governance Options**
- **Consider your Participation Level in the Management Zone and notify KRWQC**
  - Board Seat
  - Committee
  - Member/Participant

44

44

## ACTION ITEMS/NEXT STEPS

- **Deadlines**
  - Pathway Selection
  - Board Participation Request
- **Next meeting**
  - Governance
    - Start up
    - Costs
    - Participants
  - Doodle Poll for September dates

45

45

## ONLINE RESOURCES

- **Kings Management Zone:** <https://kingsriverwqc.org/kingsmz/>
  - Interested Parties List
  - Meeting Agendas
  - Slides



46

46



PO Box 8259  
Fresno, CA 93747

Phone: (559) 365-7958  
Fax: (559) 237-5560

Email: [info@kingsriverwqc.org](mailto:info@kingsriverwqc.org)  
Website: [www.KingsRiverWQC.org](http://www.KingsRiverWQC.org)

47