



# Salinas River Stream Maintenance Program

**Update**  
Program Development  
Environmental Process  
Permitting  
Implementation  
Timeline  
Costs





# Program Development

- Goals
  - Collaborative, multi-stakeholder
  - Habitat restoration/enhancement and flood control
- Process/ Approach
  - Science-based
  - Technical & Design Committee
  - Permitting Committee
- Guidelines
  - Roles and responsibilities
  - Framework for how the Program works



# Program Development

- Phase 1: Demonstration Project
  - 2 RMUs, Chualar and Gonzales
  - 11.5 miles of the Salinas River
  - 27 Secondary channels
- Phase 2: Additional RMUs



# Environmental Process

- CEQA
  - Analyze Impacts
  - 3.5 year process
    - April 2011 Scoping
    - July 2014 Certification
- NEPA
  - USACE Lead Agency
  - 3-4 month process



# Permitting

- Approach: Permitting Committee:
  - Consensus-based
  - Engaged regulatory agencies early in process as requested
  - Process helps identify and implement permittable projects
  - Included:
    - Regulatory Agencies
    - MCWRA
    - Growers representation



# Permitting – for Phase 1

- Timeline
  - Applications finalized in April and May
  - Informal Section 7 Consultation shortened timeline
  - Anticipate all approvals by first week of October 2014
    - Terms and Conditions are applied by the Resource Agency to ensure project is compliant with current regulations



# Permitting – for Phase 1

- State:
  - DFW: Streambed Alteration Agreement (1600)
    - applied for by landowner LLC
    - Will be issued by Sept. 29, 2014 (either by draft agreement or by Operation of Law)
  - RWQCB: 401 Water Quality Certification
    - Received Draft on Sept. 15, 2014
    - \$75,071 fee due prior to issuing final



# Permitting – for Phase 1

- Federal
  - USACE: Regional General Permit (404)
    - Recommended informal consultation pursuant to the Endangered Species Act
    - Anticipated issuance around Oct. 1, 2014
  - NOAA Fisheries: Section 7 Consultation
    - Insignificant effects determination
    - Letter of concurrence August 29, 2014
  - USFWS: Section 7 Consultation
    - Anticipated letter of concurrence around Sept. 22, 2014
  - US EPA: Clean Water Act
    - No foreseen issues with the USACE permitting the Project





# Implementation

Getting in the field:

- Training: operators, participants, biologists, etc
- Agreements: working together, permits
- Pre-maintenance staking
- Biologist surveys (pre-maintenance)
- Authorization by the MCWRA
- SMP Work period: biological monitors, oversight



# Implementation

After action reporting:

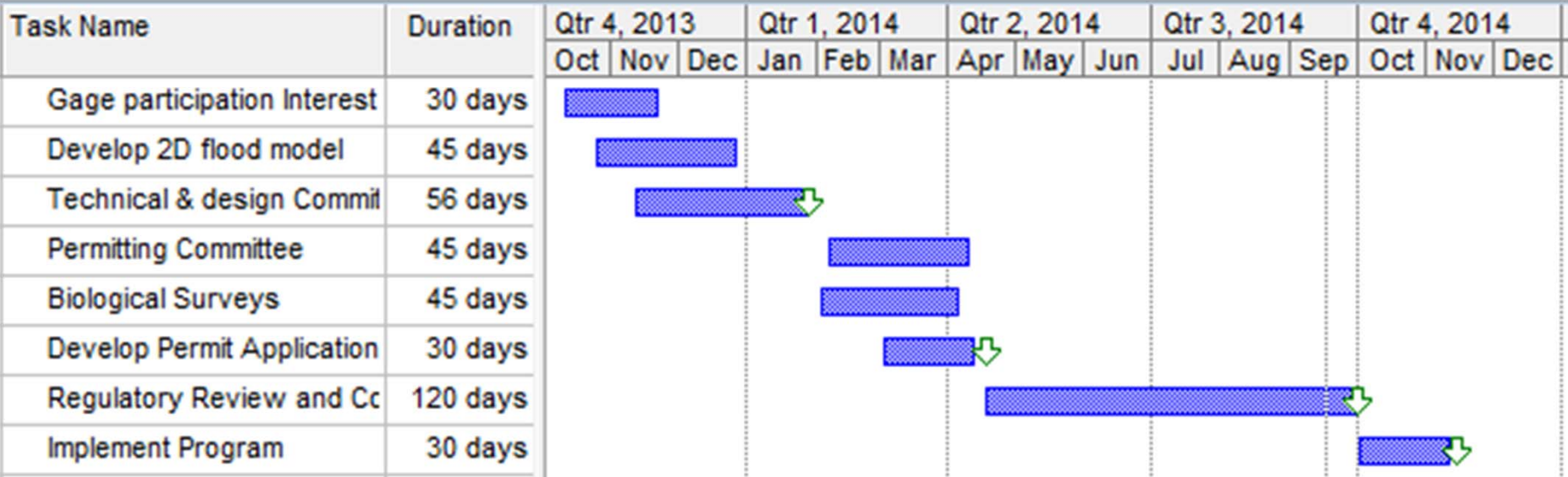
- Monitoring of how things are going:
  - Mitigation, Arundo, plantings
  - Erosion, changes in channel
  - Decrease flooding
  - Increase ecological diversity
- Annual cycle: beginning each March
- Technology-based, increase efficiency



# Timeline – Phase 1

- October 2013 (1 month)
  - develop 2D flood model & gage interest in participation
- November – January (3 months)
  - Develop stream maintenance activities based on site specific data and 2D Flood model
- February – April 2014 (3 months)
  - work with regulatory agencies on specific requirements
- February – April 2014 (3 months)
  - perform surveys and develop permit applications
- April – September 2014 (5 months)
  - regulatory review and consultation
- October 2014 (1 month)
  - Implement Program

# Timeline – Phase 1





## Timeline/Process – Phase 2

- Interest in Participation
- Develop 2D flood model
- Technical & Design Committee
  - Develop RMUs
  - Develop activities February
- Permitting Committee
- Site Specific Surveys
- Develop permit applications
- Regulatory review and consultation
- Implement Program





# Costs

Total Estimated Cost of Running Program (5 yrs):  
\$2,800,000

Monies spent or budgeted:

Grower/ Landowner	MCWRA	TNC	GSA	SRCC	Unfunded
655,000	1,150,000	325,000	10,750	16,500	650,000

\*does not include actual maintenance work costs  
paid by the Participants





# TODAY'S ACTION

Consider Receiving and Approving a Memorandum of Understanding Regarding Source Waters and Water Recycling by and between Monterey Regional Water Pollution Control Agency, the Monterey County Water Resources Agency, the City of Salinas, the Marina Coast Water District and Monterey Peninsula Water Management District to Provide a Framework for Negotiation of a Definitive Agreement; and Recommending Approval and Execution by the Monterey County Water Resources Agency Board of Supervisors.







# Current Situation

- CSIP requires approximately 24,800 acre-ft. annually
  - Recycled water component is 15,500 acre-ft.
  - SRDF component (non-drought years) is 6,100 acre-ft.
  - Supplemental well component is 3,200 acre-ft.
- Wastewater flows to Recycled Water Facility are not increasing
- Seawater Intrusion has not been halted
  - Additional irrigation waters needed
- The Pollution Control Agency requires uncontested source water for its proposed Groundwater Replenishment (“GWR”) Project.



# Options

- Option No. 1 – Do nothing
  - Seawater intrusion problem remains unabated
  - Improvement in water quality in Blanco Drain and Reclamation Ditch may be required in the future
- Option No. 2 – Construct stand-alone facilities to treat Blanco Drain and Reclamation Ditch waters to irrigation water quality
  - Allows expansion of CSIP
  - Cost prohibitive
- Option No. 3 – Expand Utilization of Pollution Control Agency Facilities
  - Requires a *quid pro quo* to avoid capacity charges
  - Allows expansion of CSIP



# Process to Expand Utilization of Pollution Control Agency Facilities

- Parties
  - Monterey Regional Water Pollution Control Agency (“PCA”)
  - Monterey County Water Resources Agency (“WRA”)
  - City of Salinas (“Salinas”)
  - Marina Coast Water District (“MCWD”)
  - Monterey Peninsula Water Management District (“WMD”)
- A Definitive Agreement needs to be negotiated among the parties, per the MOU, on or before 31 March 2015.

# Phase I Sources

- Sources to be Developed
  - Salinas agricultural wash water
  - A portion of Reclamation Ditch water
  - Blanco Drain water
  - A portion of Tembladero Slough water
  - Stormwater (Salinas & Monterey)
  - Storage of winter water for Summer use
  - Modifications to SVRP
- Projected Amounts
  - 4,320 AFY for GWR Project (**does not go through tertiary facilities**)
  - 5,292 AFY for CSIP Area Replacement water
  - 200 AFY to establish a drought reserve
  - Capital costs shared based on pro rata water made available



# Phase I Sources (cont'd)

- Projected Costs
  - PCA rate analysis a condition precedent
  - Phase I costs to be included in Definitive Agreement
  - Accounting protocols to be established in a separate written agreement
  - Only pay for water delivered
  - Capital and operating costs subject to third-party review before WRA Board approval
  - Capital costs shared based on pro rata water made available

# Timing and Strategy for Phase I Sources

## Immediate Sources

- Salinas agricultural wash water
- Stormwater (Salinas & Monterey)
- Storage of winter water for Summer use
- Modifications to SVRP

## Surface Water Sources

- Administrative permits for <3 cfs for Reclamation Ditch, Tembladero Slough, and Blanco Drain within 12 months
- Modifications of Reclamation Ditch and Blanco Drain to 6 cfs either simultaneously or upon issue of initial permits, additional 18-24 months
- “Remainder permit” for rest of Reclamation Ditch and Tembladero Slough as part of Phase II; Could take 3-4 years and require additional EIR



# Phase II – CSIP Area Additional Water

- Sources to be Developed
  - Remaining Reclamation Ditch water
  - Remaining Tembladero Slough water
  - Other sources
  
- Projected Amounts
  - 3,754 acre-ft. for CSIP Area Replacement water



# Benefits of Proposed CSIP Expansion and GWR Project

- All existing wastewater volume is committed to CSIP; so, status quo maintained at worst case
- Expands water available to CSIP, creating potential for reduced CSIP pumping and/or additional lands
- Creates benefits from winter wastewater previously discharged to the ocean (SVRP modifications and storage)
- Accelerates physical treatment solution for impaired surface waters
- Reduction in capital cost with credit for unproven effects of Ag Wash Water pond infiltration and percolation
- Builds drought reserve
- Shares capital costs of facilities and water rights acquisition
- Resolves cost accounting concerns
- Ends Amendment No. 3 controversies



# MOU “Off Ramps”

- Negotiation of a Definitive Agreement
- Water Rights - Only pay for facilities that deliver water
- Acceptable results of a rate study
- Acceptable results of 3<sup>rd</sup>-Party review of capital and operating costs
- Successful Proposition 218 process





# TODAY'S ACTION

Receive and Approve a Memorandum of Understanding Regarding Source Waters and Water Recycling by and between Monterey Regional Water Pollution Control Agency, the Monterey County Water Resources Agency, the City of Salinas, the Marina Coast Water District and Monterey Peninsula Water Management District to Provide a Framework for Negotiation of a Definitive Agreement; and Recommend Approval and Execution by the Monterey County Water Resources Agency Board of Supervisors.







# TODAY'S ACTION

Consider Recommendation from  
Reservoir Operations Committee  
Regarding Water Quality Sampling at  
San Antonio Reservoir





# Previous Board Action

- None



# Committee Action

- On September 2, 2014 the Reservoir Operations Committee discussed:
  - Cattle and wildlife impacts to water quality at San Antonio Reservoir
  
  - Possible risk of human exposure to high concentrations of bacterial pathogens



## Committee Action (cont.)

- On September 2, 2014 the Reservoir Operations Committee recommended:
  - That staff develop a water quality sampling plan to identify if conditions exist that could pose a risk to human health
  
  - That Board of Directors consider directing staff to perform the work



# Discussion

- People, cattle and wildlife can be a source of bacterial pathogens in surface waters
- High concentrations of bacterial pathogens in surface waters could pose a threat to human health





## Discussion (cont.)

- Cattle Grazing
  - Although not restricted by grazing leases, cattle access to San Antonio Reservoir has been minimal this summer
  
- Wildlife
  - Large herds of elk have been observed accessing San Antonio Reservoir surface waters



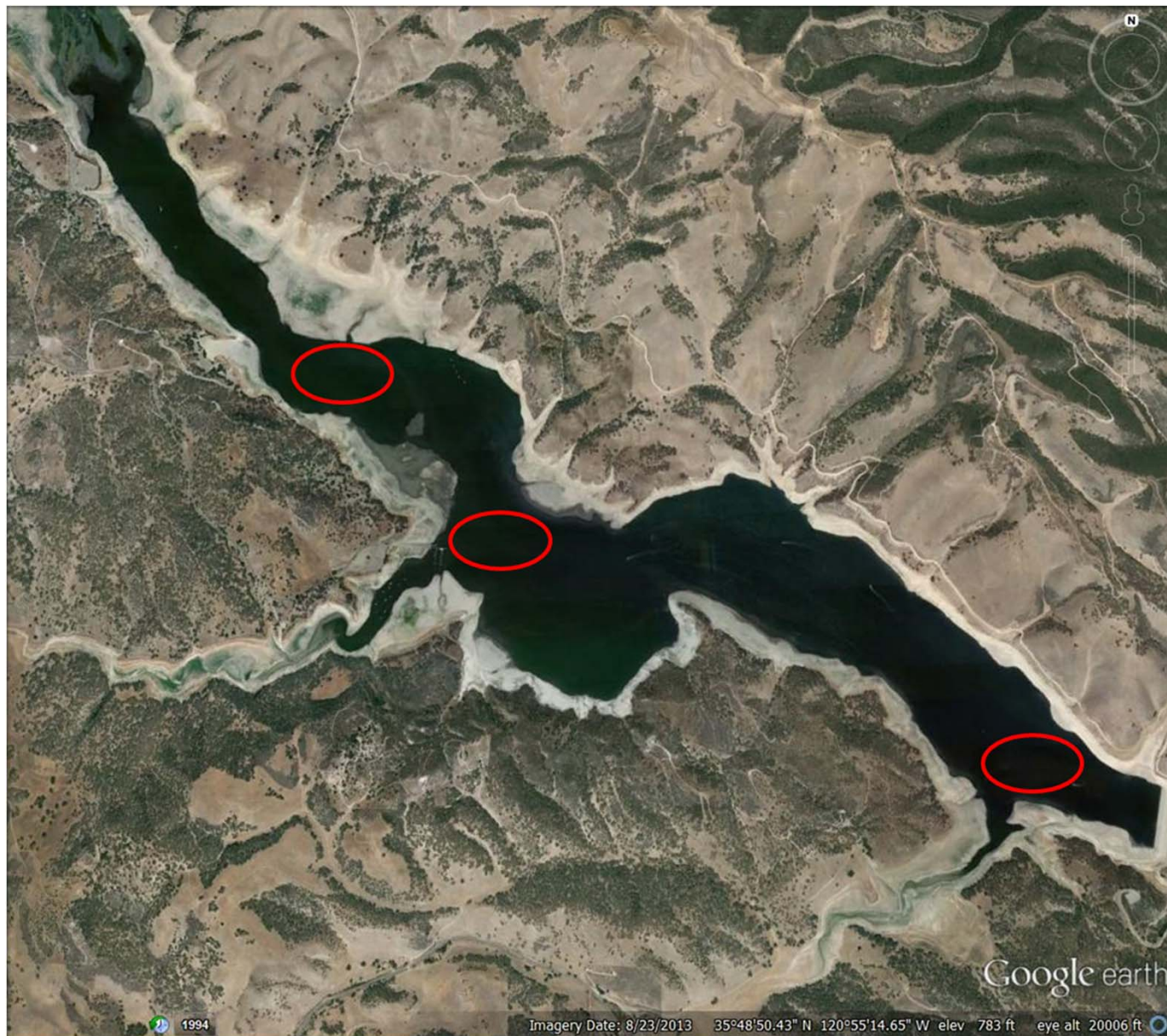
## Discussion (cont.)

- County EHB Sampling prior to Wildflower Triathlon
  - As of April 25, 2014 concentrations of bacterial pathogens in Lake San Antonio were found to be at acceptable standards for direct water contact (EHB)
- Current water surface elevation is resulting in limited recreational opportunities at San Antonio Reservoir



## Discussion (cont.)

- Staff has developed a possible Sampling Plan...
  - Test for:
    - Total Coliforms
    - Fecal Coliforms
    - E. coli
    - Enterococcus
  - Three locations, six samples, two people with a boat, one day
  - Approximately \$3,000





# Discussion (cont.)

- Results of Survey...
  - Concentrations at acceptable standards
    - Done for this year
    - Sample again next year?
  
  - Concentrations above acceptable standards
    - Action Plan
      - Needs to be developed
      - Would need to notify Health Officials





# TODAY'S ACTION

Consider Recommendation from  
Reservoir Operations Committee  
Regarding Water Quality Sampling at  
San Antonio Reservoir







# TODAY'S ACTION

Consider Recommending that the Full Board Approve Amendment No. 4 to the Professional Services Agreement with Salinas Pump Company in the Amount Of \$101,000 to Provide Well and Pump Maintenance, Repair Services and Well Logging Services for the Castroville Seawater Intrusion Project; and, Authorize the General Manager to Execute the Amendment.







# Prior BOD Action

- On July 23, 2012, the Board of Directors approved a three-year professional services agreement with Salinas Pump Company in the amount of \$70,000 to provide maintenance, repair and well logging services for the Castroville Seawater Intrusion Project supplemental wells and pumps on an as-needed basis.
- On December 16, 2013, the Board of Directors approved Amendment No. 1 in the amount of \$50,000.
- On February 24, 2014, the Board of Directors approved Amendment No. 2 in the amount of \$54,000.
- On June 30, 2014, the Board of Directors approved Amendment No. 3 in the amount of \$100,000.





# Financial Impact

- Total Cost for Amendment No. 4: \$101,000.
- Payable from: Fund 131, Zone 2B – CSIP Operations & Maintenance.



# Discussion

- The purpose of Amendment No. 4 is to fund continued access to pump and well repair, and maintenance services on as-needed basis for the Castroville Seawater Intrusion Project; and to allow the completion of repair work on wells 01C01 and 11B01, and provide monies available for additional work that may be needed in the coming year.



## TODAY'S ACTION

Recommend that the Full Board Approve Amendment No. 4 to the Professional Services Agreement with Salinas Pump Company in the Amount Of \$101,000 to Provide Well and Pump Maintenance, Repair Services and Well Logging Services for the Castroville Seawater Intrusion Project; and, Authorize the General Manager to Execute the Amendment.







# TODAY'S ACTION

Consider Approving a General Services Agreement with Industrial Machine Shop, Inc. in the Amount of \$90,000 to Provide Repair, Fabrication and Machining Services of Components for Facilities and Projects Owned and Managed By MCWRA; Encumber \$30,000 from Fund 122 for the Purpose of Rebuilding an Industrial Pump; and, Authorize the General Manager to Execute the Agreement.





# Committee Action

- None to Date





# Prior BOD Action

- None to Date



# Financial Impact

- \$30,000 Identified Fund 122- Pump repair, Santa Rita Pump Station
- An additional \$60,000, for a not to exceed amount of \$90,000 in potential repairs, from various funds.



# Discussion

- Monterey County Water Resources Agency (Agency) owns and operates a variety of facilities, including two dams, 10 pump stations, 14 deep fresh water well pumps, and 48 miles of pipeline.
- The purpose of this General Services Agreement is to provide as needed machining, fabrication and repair services of facility and project components, within acceptable parameters, critical to facilities operated by the Agency.



## Discussion (cont.)

- Services will be provided on an as needed basis
- Agency engineering and maintenance staff identifies repair and maintenance needs.
- Agency staff will identify appropriate funding source.
- Agency staff will set scope of work and negotiate price with contractor prior to the start of all work.



## Discussion (cont.)

- \$30,000 in repairs has already been identified for rebuilding of an industrial pump used at Santa Rita Pump station.
- Other funds covered under this agreement:
  - 112 Pajaro Levee
  - 116 Zone 2C
  - 128 Storm Maint.
  - 118 Lake Meritt
  - 130 Hydro Facility
  - 122 Zone 9
  - 131 CSIP O&M
  - 127 Moro Cojo Slough
  - 134 SRDF
- All repairs and services provided by Industrial Machine Shop, Inc. will be paid from those funds that cover the program or project from which the repaired component/components came from.



# Summary

- The Agency desires to enter into a 3-year general services agreement with Industrial Machine Shop, Inc., in an amount not to exceed \$90,000.
- This agreement will provide as needed machining, fabrication and repair services of Agency facility and project components in various Zones of Benefit and multiple funds.
- \$30,000 will be encumbered from fund 122 for the purpose of rebuilding an industrial pump used by the Agency for flood control and management.



## **TODAY'S ACTION**

Approve the General Services Agreement with Industrial Machine Shop, Inc. in the Amount of \$90,000 to Provide Repair, Fabrication and Machining Services of Components for Facilities and Projects Owned and Managed by MCWRA; Encumber \$30,000 from Fund 122 for the Purpose of Rebuilding an Industrial Pump; and, Authorize the General Manager to Execute the Agreement.









# TODAY'S ACTION

Consider Receiving an Update on Monterey Regional Water Pollution Control Agency (MRWPCA) and Water Resources Agency (WRA) Reconciliation of FY 2013-14 Annual Seed Allocation with Respect to WRA Assuming Responsibility for Billing and Collection of Water Delivery and Water Service Charges in October 2013 and MRWPCA's Repayment of Prior Year Retained Seed Allocations Previously Managed by MRWPCA; and, Providing Direction to Staff Regarding FY 2014-15 and Future Annual CSIP/SVRP/SRDF Seed Allocations.





# Financial Impact

- At the Finance Committee meeting on September 12th the MRWPCA paid the Agency the following:
  - \$75,000 for FY 2013-14 Insurance
  - \$55,092 Accounts Receivable from FY 2013-14
  - \$5,9062 for soft start equipment
- In addition, MRWPCA paid \$497,738.62 of the FY 2012-13 retained seed money on September 15<sup>th</sup>
- This leaves only the FY 2013-14 indirect costs for the Agency's to resolve

## Discussion (cont.)

### FY 2013-14 MRWPCA Reconciliation

	SVRP	CSIP	SRDF	
Seed Money Balance (06/30/13)	972,522.64	745,248.36	163,945.35	
Water Fees Collected by MRWPCA			679,246.27	
Interest			108.85	
Expenditures (Jul-Dec 13)			(289,807.54)	
Seed Money retained by MRWPCA	(850,774.00)	(618,647.00)	(280,000.00)	
<b>Seed Money Due to MCWRA</b>	<b>121,748.64</b>	<b>126,601.36</b>	<b>273,492.93</b>	Not received by WRA
<b>Total Seed Money retained by MRWPCA</b>	<b>972,522.64</b>	<b>745,248.36</b>	<b>843,300.47</b>	
1st Installment (FY 13-14) Seed Money to MRWPCA 2/19/14	856,964.00	537,218.00	0.00	
2nd Installment (FY 13-14) Seed Money to MRWPCA not paid	0.00	0.00	0.00	
<b>Total Seed Money to MRWPCA</b>	<b>1,829,486.64</b>	<b>1,282,466.36</b>	<b>843,300.47</b>	
MRWPCA Estimated Budget	(2,048,346.00)	(1,204,032.00)	(335,774.00)	
Indirect Costs not to be paid	154,588.00	84,003.00	17,713.00	
<b>Adjusted MRWPCA Estimated Budget</b>	<b>(1,893,758.00)</b>	<b>(1,120,029.00)</b>	<b>(318,061.00)</b>	
<b>Reconciled Amount Due FROM/TO MRWPCA after adjustments</b>	<b>(64,271.36)</b>	<b>162,437.36</b>	<b>525,239.47</b>	

(1) MRWPCA's portion of Marsh Insurance in the amount of \$ 75,000.00 has not been received.

(2) 13-14 Water Delivery Charges in the amount of \$ 55,092.65 has not been received.



## Sept 15<sup>th</sup> Meeting with MRWPCA

- Board Recommendation :
  - Request that both Agency's meet to discuss indirect costs and to determine the next course of action for developing an agreed upon indirect cost methodology
  - Request that the Agency's develop a consistent budget approval process for all three projects



# TODAY'S ACTION

Receive an Update on Monterey Regional Water Pollution Control Agency (MRWPCA) and Water Resources Agency (WRA) Reconciliation of FY 2013-14 Annual Seed Allocation with Respect to WRA Assuming Responsibility for Billing and Collection of Water Delivery and Water Service Charges in October 2013 and MRWPCA's Repayment of Prior Year Retained Seed Allocations Previously Managed by MRWPCA; and, Providing Direction to Staff Regarding FY 2014-15 and Future Annual CSIP/SVRP/SRDF Seed Allocations.









# TODAY'S ACTION

Consider Approving and Recommending that the Monterey County Board of Supervisors Approve Budget Amendment No. 2 Authorizing the Auditor-Controller to Amend the Monterey County Water Resources Agency's FY 2014-15 Budget for Various Funds Due to Timing Differences of Expenditures Between FY 2013-14 and FY 2014-15.





# Discussion

- The purpose of Budget Amendment No. 2 is to adjust expenditures in Funds and Programs to appropriate additional amounts that are required due to timing differences in expenditures between FY 2013-14 and FY 2014-15.
- Attachment 1 summarizes the budget amendments needed by Fund and Program. Attachment 2 shows the variance between the related funds' actual and estimated 6/30/14 Unassigned Fund Balances and the effect on the projected 6/30/2015 Unassigned Fund Balances.
- In addition, the Agency appropriated Fund Balance in the following funds:
  - \$28,000 in Fund 122 for the Santa Rita Pump,
  - \$164,074 for the Salinas Pump in Fund 131, and
  - \$184,000 in Fund 134 – (SRDF) for a river water filter screen to maximize river water flow capacity.



# TODAY'S ACTION

Approve and Recommend that the  
Monterey County Board of Supervisors  
Approve Budget Amendment No. 2  
Authorizing the Auditor-Controller to Amend  
the Monterey County Water Resources  
Agency's FY 2014-15 Budget for Various  
Funds Due to Timing Differences of  
Expenditures Between  
FY 2013-14 and FY 2014-15.

