



Monterey Regional Water Pollution Control Agency

*"Dedicated to meeting the wastewater and reclamation needs
of our member agencies, while protecting the environment."*

Administration Office:
5 Harris Court, Bldg. D, Monterey, CA 93940-5756
(831) 372-3367 or 422-1001, FAX: (831) 372-6178
Website: www.mrwpc.org

MEETING NOTICE AND AGENDA *RECYCLED WATER COMMITTEE*

Ralph Rubio, Chair
Libby Downey, Ron Stefani, Kenneth Nishi, and Dennis Allion
[Alternate Lou Calcagno]

DATE:	Thursday, June 17, 2010
TIME:	3:00 p.m.
LOCATION:	Admin Conference Room 5 Harris Court, Building D, Monterey, CA

PUBLIC COMMENTS

Anyone wishing to address the Committee on matters not appearing on the Agenda may do so now. Comments on any other matter listed on the Agenda are welcome at the time the matter is being considered by the Committee.

- 1. UPDATE ON SALINAS RIVER DIVERSION FACILITIES (SRDF)**
(see attachment)
- 2. REVIEW STATUS OF SRDF (Rubber Dam) O&M AGREEMENT
WITH MCWRA**
(see attachment)
- 3. UPDATE ON STATE REVOLVING FUND LOAN PROGRAM AND
STATUS OF THE RUWAP PROJECT**
(see attachment)
- 4. UPDATE ON CPUC HEARINGS HELD LAST WEEK**
(verbal report)
- 5. REVIEW WATER-RELATED ARTICLES**
(see attachment)

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Joint Powers Authority Member Entities:

Boronda County Sanitation District, Castroville Community Services Water District, County of Monterey, Del Rey Oaks, Fort Ord, Marina Coast Water District, Monterey, Moss Landing County Sanitation District, Pacific Grove, Salinas, Sand City, and Seaside.



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MEMORANDUM

TO: RECYCLED WATER COMMITTEE

FROM: BOB HOLDEN, PRINCIPAL ENGINEER
(via Keith Israel, General Manager)

DATE: JUNE 14, 2010

SUBJECT: UPDATE ON SALINAS RIVER DIVERSION FACILITIES

The Salinas Valley Reclamation Project (SVRP) cannot produce as much recycled water as is needed by the growers within the Castroville Seawater Intrusion Project (CSIP) during most of the growing season. Until this year, the extra demand was met with groundwater pumped from 21 supplemental wells within the CSIP system. The Salinas River Diversion Facilities (SRDF) will provide most of the water needed to supplement recycled water and thus greatly reduce groundwater extraction from the Salinas River Basin.

The entire SRDF system has been working well except for the flow meter. The contractor could not get the initial, specified, flow meter to work properly so he replaced that flow meter with another type. He could not make the second flow meter work either. The MRWPCA consultant providing engineering services during design has designed an alternate flow measuring system which should meet the project needs. That third system has not been installed and probably will not be until July.

The SRDF began pumping water on May 3, 2010. During May, 320 acre feet (AF) of river water were pumped (see attached chart) compared with 1,643 AF of

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MEMORANDUM

Recycled Water Committee

June 14, 2010

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recycled water and 130 AF of groundwater. Overall grower demand was 91% of that budgeted due to late start-up of crops and rain.

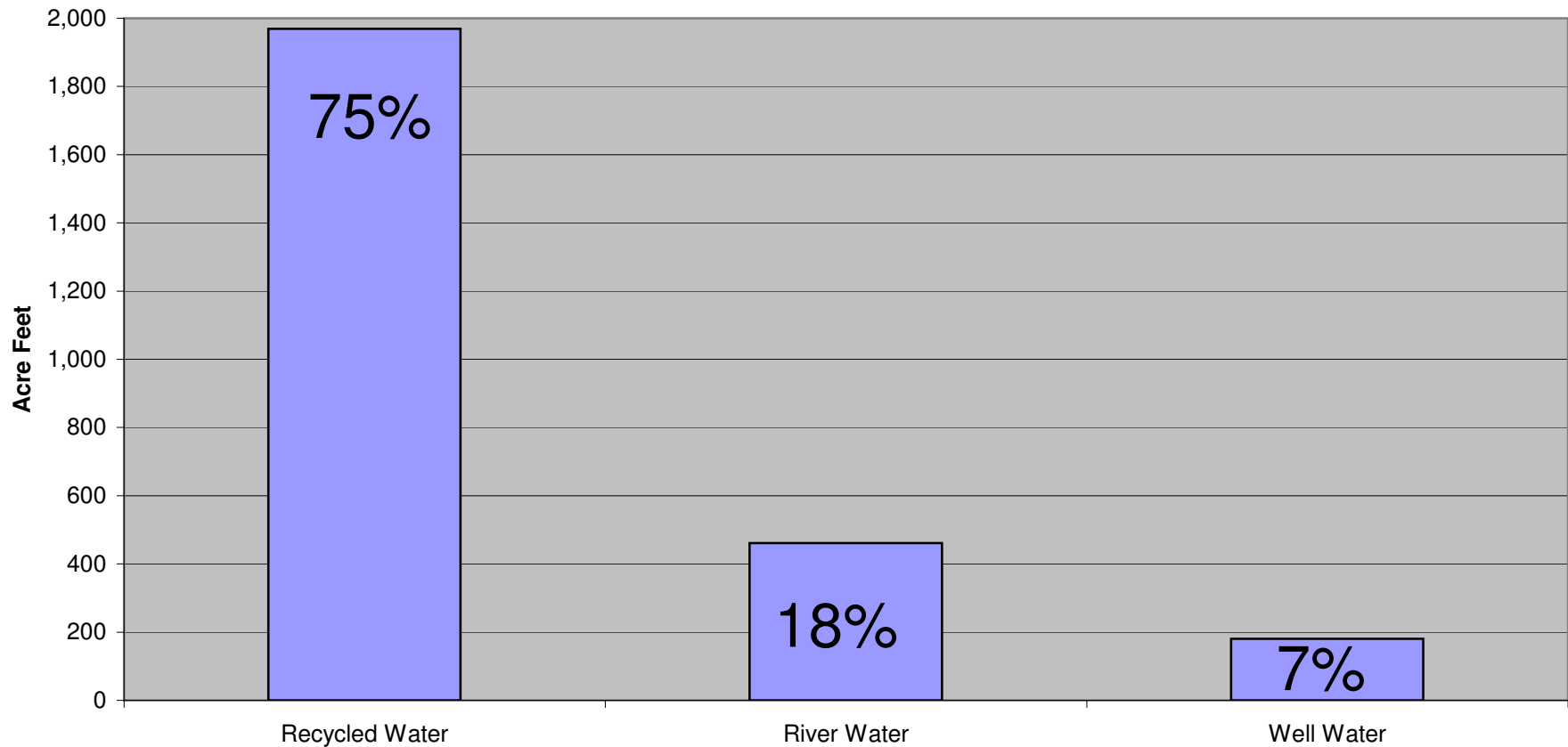
During the first six days of June, 24 AF of river water was used compared with 327 AF of recycled water and 8 AF of groundwater. Grower demand for these days was only 76% of that anticipated.

The SRDF works well. More river water and less groundwater will be utilized as the systems are optimized.

➤ **Information only – No action needed.**

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2611 AF of water to CSIP (May 3-June 6, 2010)





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MEMORANDUM

TO: RECYCLED WATER COMMITTEE

FROM: TOM BUELL, DIRECTOR OF FINANCE
(via Keith Israel, General Manager)

DATE: JUNE 14, 2010

SUBJECT: REVIEW STATUS OF SRDF (Rubber Dam) O&M
AGREEMENT WITH MCWRA

In September, 2008, the Agency entered into a Memorandum of Understanding (MOU) with the Monterey County Water Resources Agency (MCWRA) for the design and construction of a river water chlorination system for the Salinas River Diversion Facility (SRDF).

In addition, the MCWRA has asked our Agency to perform the Operations & Maintenance for the SRDF for FY 10/11. A budget has been presented and approved by the MCWRA Board.

Over the past several months, our staff has been working with the MCWRA staff to complete an O&M agreement with the goal to have this approved by July 1, 2010. Currently, there are three (3) issues that we are attempting to resolve with the MCWRA. These involve the amount of insurance that the MCRWA is requiring, the indemnification wording, and the ownership of the river water chlorination system.

Staff is hoping that these issues can be resolved soon and that we will be able to provide a draft agreement for your review and approval at your July 15, 2010 committee meeting.

➤ **This is an informational item – No action is needed.**

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MEMORANDUM

TO: RECYCLED WATER COMMITTEE

FROM: BOB HOLDEN, PRINCIPAL ENGINEER
(via Keith Israel, General Manager)

DATE: JUNE 14, 2010

SUBJECT: UPDATE ON STATE RESOLVING FUND LOAN PROGRAM
AND STATUS OF THE RUWAP PROJECT

Update on State Revolving Fund Loan Program Preliminary Project Priority List
2010/2011.

On June 15, 2010, the State Water Resources Control Board will consider the
attached project list for next year funding. Four projects are part of the Regional
Project:

Regional Urban Water Augmentation Project - \$31,530,000. This is a
proposed MCWD loan. This is for the MCWD and MRWPCA portions of the
project to take recycled water to urban users in Marina and Seaside initially and
to Monterey, Del Rey Oaks, and the County eventually.

Intake Wells and Pipeline Project - \$48,000,000. This is a proposed MCWRA
loan. It would include wells and pipeline for the Regional Desal Project.

Desalination Plant, Pipelines and Storage Project - \$213,000,000. This is a
proposed MCWD loan. This would cover some of the costs of the Regional
Desal Project.

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Brine Outfall Project - \$9,000,000. This is a proposed MRWPCA loan. This would cover the costs for pipelines and a receiving, monitoring, and metering structure for disposal of Regional Desal Project brine.

MCWD was able to get the State to reinstate the RUWAP and Desal Plant projects onto the list.

We will also provide a verbal update on other RUWAP activities at the Thursday Committee meeting.

Information only -- No action needed.

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2010/2011 PROJECT PRIORITY LIST FOR THE STATE REVOLVING FUND LOAN PROGRAM

Region	Project Number	Applicant	Project Description	Class	Project Cost
3	5471-110	Marina Coast Water District	Regional Urban Water Augmentation Project	C	\$31,530,000
3	5714-110	Marina Coast Water District	Clark and Cosky Lift Station Improvement Projects	D	\$1,300,000
3	6514-110	Marina Coast Water District	Desalination Plant, Pipelines and Storage Project	C	\$213,000,000
3	7724-110	Monterey County Water Resources Agency	Intake Wells and Pipeline Project	C	\$48,000,000
3	7725-110	Monterey Regional WPCA	Brine Outfall Project	C	\$9,000,000
3	5228-110	Monterey, City of	Sewer System Rehabilitation	D	\$13,200,000
3	6344-110	Morro Bay, City of	Morro Bay Estuary LID Boatyard	D	\$3,420,492
3	5587-110	Morro Bay, City of	Sewer Lift Station #2 and #3 replacement/improvement	B	\$2,000,000
3	5805-110	Morro Bay, City of	Sewer Main Rehabilitation and Replacement Project	D	\$1,200,000
3	7756-110	Morro Bay, City of	PIN# 15143- MORRO BAY-CAYUCOS WASTEWATER TRETMENT PLANT UPGRADE	D	\$25,500,000
3	5229-110	Pacific Grove, City of	Urban Runoff Diversion Phase III	C	\$1,800,000
3	5400-110	Paso Robles, City of	Paso Robles Wastewater Treatment Plant Upgrade	C	\$48,000,000
3	6374-110	Pismo Beach, City of	City of Pismo Beach Storm Water Treatment	B	\$630,000
3	7058-110	Pismo Beach, City of	City of Pismo Beach Recycled Water Project	C	\$6,670,806
3	7400-110	Prunedale Shopping Center	Prunedale Shopping Center Wastewater Treatment	A	\$500,000
3	5617-110	Salinas, City of	Industrial Waste Water Conveyance System Improvements	C	\$10,000,000
3	5625-110	Salinas, City of	Industrial Waste Water Treatment Facility Improvements	C	\$10,000,000
3	6354-110	Salinas, City of	Priority One Storm Drain Improvements	D	\$1,000,000
3	6358-110	Salinas, City of	Fairview Park Storm Drain Improvements	D	\$1,400,000
3	6360-110	Salinas, City of	Miscellaneous Storm Drain Improvements	D	\$3,300,000
3	6362-110	Salinas, City of	Storm Water Quality Monitoring	C	\$2,270,000
3	6363-110	Salinas, City of	GIS Storm and Sanitary Sewer Systems Mapping	D	\$920,000
3	6364-110	Salinas, City of	Storm Sewer Equipment Upgrades	D	\$900,000
3	6365-110	Salinas, City of	Stormwater Detention Basin Improvements	C	\$1,270,000
3	6366-110	Salinas, City of	Gabilan Creek Trailway Improvements	D	\$50,000
3	6367-110	Salinas, City of	Alisal and Market Underpass Roadway Green Infrastructure	D	\$1,800,000
3	6368-110	Salinas, City of	Natividad Road Median Island Improvements	D	\$800,000
3	6371-110	Salinas, City of	North Main Street Median Improvements	D	\$800,000
3	6372-110	Salinas, City of	East Market Street Green Infrastructure	D	\$350,000
3	6479-110	Salinas, City of	NPDES Public Education and Source Control Program	D	\$2,480,000
3	7222-110	Salinas, City of	East Market Street Sanitary Main Repairs	C	\$200,000
3	7229-110	Salinas, City of	West Laurel Drive/Tyler Street Sanitary Sewer Trunkline	C	\$1,500,000
3	7230-110	Salinas, City of	Vertin Avenue/Jean Street/Carol Street Sanitary Sewer Trunkline	C	\$750,000
3	7231-110	Salinas, City of	East Alisal Street Trunkline	C	\$1,600,000
3	7233-110	Salinas, City of	Priority One Sanitary Sewer Line Repairs	C	\$2,000,000

GJ: County water agencies need a joint authority;

Ukiah Daily Journal Staff

Updated: 06/14/2010 12:00:16 AM PDT

Consolidation of fragmented districts would form a strong voice in the face of new regulations, demand. To strengthen its voice and conservation efforts, Mendocino County should merge its multiple water providers into a joint powers authority (JPA), the county Grand Jury recommended this week.

"The county is at an extreme disadvantage communicating its needs with regulatory agencies because there are many entities with competing interests, voices and territorial disputes," states the GJ report. "There is no centralized governance over the management of water in this county and no one agency speaks for (its) water needs."

According to the report, the Russian River watershed is "is facing a number of legal and regulatory challenges which will question the ownership and management of water coming from Lake Mendocino," which is the major collector and distributor of water for the Russian River.

Due to recent concerns regarding water flow below the Coyote Valley Dam, hearings were chaired by the State Water Resources Control Board (SWRCB), and the board plans to begin monitoring frost control management in 2011.

"County water districts lack the funding they need for effective management and capital improvements, (though) each of the small districts has something to offer that could be shared and utilized for the good of county water users."

The different districts and agencies include: *Calpella Water District Service Agreement Area; Hopland Public Utility District; Potter Valley Irrigation District; Russian River Food Control District; City of Ukiah Water Service Area; Millview Water District; Redwood Valley Water District; Willow Water District, along with the Mendocino County Inland Water and Power Commission, Upper Russian River Sustainability Alliance, and the Mendocino County Board of Supervisors, serving as the Mendocino County Water Agency (MCWA).*

However, the GJ reports, the MCWA, a special district created by the California State Legislature, "has no water rights and little authority or funding." The GJ recommends that the MCWA "become more involved (with the numerous water districts) by providing guidance on conservation measure, public training, uniform controls and legislative assistance. The staff must provide leadership in the process of consolidating water districts and/or establishing a JPA."

"The people and agencies of the Mendocino County Russian River watershed resist change because of turf wars and egos," the GJ continues. "It is only through the effect of environmental lobbies, recent lawsuits and state legislation that agricultural and urban interests have realized the need for realignment of a vision and strategy." The recent legislation, regulation and "water demand by stronger entities are putting our water supply and economy at risk," the GJ warns. "County residents do not speak with enough authority to safeguard our water supply and our quality of life. Our economic vitality is at risk."

Recycled water systems ripple out in Bay Area

Kelly Zito, Chronicle Staff Writer Monday, June 14, 2010



The "whoosh" of the toilet at the new Rite Aid in north San Rafael sounds like any other. But there's one big difference. Unlike just about every other commode around California and the United States, it doesn't use drinking-quality water.

Rather, the water swirling in this basin is recycled - highly treated wastewater from the Marin Municipal Water District's Las Gallinas plant 2 miles away. Cleaned to what water quality manager Bob Castle calls "swimming pool" standards, the water, instead of flowing into the bay, is carried through separate pipes to restroom stalls in the drugstore - the 22nd "dual-plumbed" building in Marin County, the most in the state behind Irvine.

A similar system is under construction in an 82-unit San Rafael condo complex - a milestone for a residential building in the county. "We're water short, and we're looking for supply," Castle said. "The Rite Aid is a small step, but it's an important part of an ongoing plan."

Pushed by fears of drought and climate change, widening battles over diverting freshwater from failing rivers and growing pressure to increase sustainable water supplies, more Bay Area water agencies are investing in multimillion-dollar recycled water projects.

-- The town of Windsor in Sonoma County recently became home to a 500-house development with dual piping - one set carries recycled water for outside irrigation, and another set delivers drinking water for indoor use.

-- San Jose and the Santa Clara Valley Water District, which serves nearly 2 million customers in the South Bay, expect to break ground this fall on a \$44 million recycled water facility in Alviso. The plant will purify about 8 million gallons of recycled water, broadening its use from irrigation to cooling towers and manufacturing facilities.

-- San Francisco is polishing its proposal this summer for the city's first large-scale recycling project, including an \$88 million plant in Golden Gate Park. The facility would supply as much as 4 million gallons of water a day for watering the park and golf courses, and for nonpotable uses at the California Academy of Sciences.

Water managers charged with accounting for every drop compare such projects to diversifying a stock portfolio: By increasing their recycled water stores, they rely less on the riskier options like rainfall or water from protected rivers.

The Santa Clara Valley Water District, for instance, receives about half of its supply from the Sacramento-San Joaquin River Delta, the beleaguered estuary that acts as the hub of the state's water system. Sixteen percent comes from San Francisco's Hetch Hetchy reservoir in the Sierra Nevada, and local groundwater and reservoirs provide just over 30 percent.

Recycled water makes up just 5 percent of its supplies, but the agency would like to bump that to 10 percent in coming years. "Our imported water fluctuates from year to year, and we haven't gotten our contracted amounts in years because of drought and pumping restrictions in the delta," said district spokeswoman Susan Siravo. "When we look at new sources, there aren't a lot of options. Recycled water has a reliability that others don't."

For San Francisco and its 24 customer cities in the East Bay and on the Peninsula, recycled water will ease its dependence on the Tuolumne River. The Tuolumne has long been a battleground between the water agency and activists, who won federal "wild and scenic" designation for 83 miles of the waterway in the 1980s.

"These cities have a lot of catching up to do, but they are finally stepping up to the plate," said Eric Wesselman, executive director of the Tuolumne River Trust. "We shouldn't be taking water from Yosemite to irrigate landscapes in San Francisco. Using recycled water is a better and higher form of use."

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