

Letters or Comments Regarding This Plan

Seidel, Lee

From: Eric Miller [emiller@ycwa.com]
Sent: Wednesday, August 31, 2005 4:49 PM
To: Seidel, Lee
Cc: 'Curt Aikens'
Subject: Review of Cal Water Service-Marysville UWMP

Hello Lee,

I did a quick review of CWS-Marysville's draft Urban Water Management Plan (UWMP). I just have these minor comments/thoughts – I excerpted language from both the YCWA Act and the Groundwater Management Plan to bolster a few sections.

Pp 9 – Maybe a vicinity map of Yuba County and City of Marysville would be helpful? I see that you inserted a CWS service area map in Appendix B.

Pp 11, Section 3.1, Groundwater, 3rd paragraph:

Consider adding language saying: *“The YCWA (Agency) was created to develop and promote the beneficial use and regulation of the water resources of Yuba County. The YCWA Groundwater Management Plan was adopted by the YCWA Board of Directors in March 2005. Through the YCWA Act, which formed the Agency in 1959, the Agency can wholesale water to entities authorized to purvey water. The Agency currently has water service agreements with local irrigation and water districts, water companies, and several pre-existing river diverters. The Agency has practiced groundwater conjunctive use activities since the 1990s and participates in close monitoring of the groundwater basin. The basin is not in overdraft conditions.”*

Pp 14, Section 3.4, Water Supply Reliability, 1st paragraph

Did CWS mention how deep its wells are or provide a map of well locations? Per the Groundwater Mgmt Plan (pp 16) local irrigation wells range in depth from a few hundred feet to 700 feet. Optional to mention that CWS service wells are within that same range.....???

Pp 14, Section 3.4, Water Supply Reliability, 2nd paragraph, last sentence:

“Similarly, the Yuba County Groundwater Management Plan (Appendix D of the UWMP, Figure 4, pp 19) shows ~~the groundwater level remaining constant at 50 feet mean sea level since September 1950~~ that historical groundwater surface elevations within the western portion of the North Yuba Sub-basin, which serves the Marysville area, has remained relatively stable since the 1950s. Well data compiled in hydrographs by the State DWR show that groundwater surface elevations have only mildly fluctuated from a mean sea level of approximately 50 feet.”

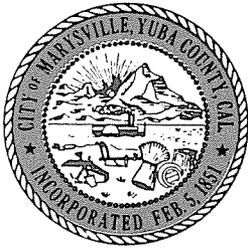
Appendix D

We appreciate CWS including the YCWA Groundwater Mgmt Plan in the UWMP's appendix. Saves the reviewers a lot of hunting and searching for cross references.

Thank you for the opportunity to review this draft plan. If you have any questions let me know. Also, once the UWMP is submitted and rendered “complete” by DWR staff, can you please let me know? I would like to include that information in our Prop 50 grant application – via an update to the appropriate DWR staff who may be reviewing our proposal. Regards,

Eric A. Miller

Assistant Manager-Project Development
Yuba County Water Agency
1402 D Street
Marysville, CA 95901
530.741.6278
Fax: 530.741.6541



CITY OF MARYSVILLE

526 "C" Street • P.O. Box 150 • Marysville, CA 95901

CITY SERVICES DEPARTMENT
David B. Lamon, P.E., Director
(530) 749-3902

Public Works	(530) 749-3902
Planning	(530) 749-3904
Building	(530) 749-3904
Fax	(530) 749-3991

August 22, 2005

Mr. Lee Seidel
California Water Service Company
629 Ninth Street
Marysville, CA 95901

Dear Lee:

Enclosed is a copy of the UWMP section relating to recycled water that you sent me in June. I apologize for the delay getting back to you, but I added some notes regarding the Wastewater Treatment Plant and our recycled water. I did not fill out the years past 2010 because we do not have definite plans for that time frame. If nothing changes, we would expect to continue with the 2010 numbers for wastewater and recycling water.

If you need additional information, please call me.

Sincerely,

David B. Lamon, P.E.
City Services Director

DBL:jls
Enclosure

5.0 RECYCLED WATER

This chapter provides information on recycled water and its potential for use as a water resource within Cal Water's Marysville service area. The information includes (1) the quantity of wastewater generated in the service area, (2) description of the collection, treatment, and reuse of that wastewater; (3) the current plans for water recycling; and (4) the potential for water recycling in the Marysville service area.

5.1 WASTEWATER GENERATION

Municipal wastewater is generated in the Marysville service area by residential and commercial sources. The quantity of wastewater generated is proportional to the population and the water use in the service area. Estimates of the wastewater flows for future conditions are presented in Table 5-1. The estimates are obtained by calculating the amount of indoor water use in Cal Water's service area as 90 percent of January water use in 1997. The percentage of indoor water use is calculated by comparing the estimated yearly indoor water use to total annual use for 1997. Assuming all indoor water use results in wastewater generation, projected wastewater flows are calculated using the percentage of indoor water use and Cal Water's water demand projections.

TABLE 5-1
 ESTIMATED WASTEWATER GENERATION IN CALWATER'S MARYSVILLE SERVICE AREA-
City limits

Year	Wastewater flow, mgd	Wastewater flow, acre-feet/year
2000	1.0	1,800
2005	1.0	1,800
2010	1.0	1,800
2015	1.0	1,800
2020	1.0	1,800

1.5

REMOVED

WASTEWATER?

5.2 WASTEWATER COLLECTION

The City of Marysville owns and operates the sewer system consisting of gravity sewers less than 24 inches in diameter, pumping stations, and force mains to collect wastewater from residential and commercial customers. The collected wastewater is discharged to trunk sewers and interceptors owned and operated by the City of Marysville and conveyed to the Marysville Wastewater Treatment Plant for treatment.

5.3 WASTEWATER TREATMENT AND RECYCLING

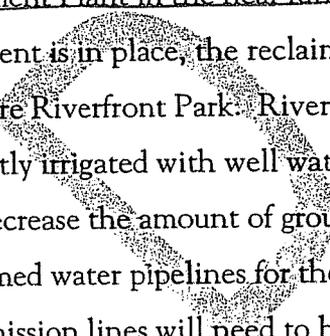
Cal Water is the main water purveyor for the City of Marysville. The Marysville Wastewater Treatment Plant of which is owned by the City of Marysville, provides the wastewater treatment for the City of Marysville. The wastewater at the treatment plant undergoes secondary treatment with trickling filters prior to discharge to percolation/evaporation ponds.

The effluent is not disinfected. The treatment plant ^{has completed installation of a} is near completion of an upgrade to tertiary treatment, ^{unit} using a Microfloc Trident filter followed by chlorine disinfection. The Marysville Wastewater Treatment Plant has a capacity to treat 3.5 mgd but currently receives approximately 1.6 mgd from residential and commercial customers in Marysville. A limited amount of recycling is occurring in Cal Water's Marysville service area. Three to four times per year, 100 percent of undisinfected secondary effluent is used for three days on walnut orchards near the plant. The approximate recycled water use in the Marysville service area has been 40 acre-feet/year.

This unit has the capacity to generate 0.8 mgd of tertiary treated water, which has been approved for reuse on the soccer fields in Riverfront Park at maximum capacity

5.4 POTENTIAL WATER RECYCLING IN CAL WATER'S MARYSVILLE SERVICE AREA

~~It is anticipated that reclaimed water customers will be acquired for the Marysville Wastewater Treatment Plant in the near future due to the upgrade to tertiary treatment. Once tertiary treatment is in place, the reclaimed water~~ ^{is to be} ~~has the potential to be utilized for irrigation in the 100 acre Riverfront Park. Riverfront Park is not included in Cal Water's service area, but is currently irrigated with well water. Therefore, using reclaimed water to irrigate Riverfront Park will decrease the amount of groundwater pumping by others in the area. There are currently no reclaimed water pipelines for the Marysville Wastewater Treatment Plant, therefore~~ ^{for other uses} ~~transmission lines will need to be constructed. Other potential uses of recycled water in the service area include street landscaping and park irrigation. Since the potential recycled water customers are not currently served by Cal Water, the projected recycled water supply for Cal Water's Marysville service area through the year 2020 is 0 acre-feet per year. Cal Water has not implemented any incentive programs to encourage recycled water use because they do not own and operate the wastewater system.~~



supply Riverfront Park

The City has not currently identified other uses for the recycled water produced at the WWTP either currently served by Cal water or wells

**Section 5 - Recycled Water Plan
Step One: Coordination**

Water Code section 10633

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

Section 5 - Recycled Water Plan Step One: Coordination

Identify the local water, wastewater, groundwater and planning agencies and how each participated in developing a plan for the use of recycled water in your service area. The UWMP should identify the names and roles of each agency that participated in developing a recycled water plan for your service area.

Participating Agencies (Table 32)

Participating agencies	Role in Plan Development
Water agencies	
Wastewater agencies	<i>City of MSU - generation of use of recycled water</i>
Groundwater agencies	<i>from WWTP</i>
Planning Agencies	
Other	

Section 5 - Recycled Water Plan

Step Two: Wastewater Quantity, Quality and Current Uses

Water Code section 10633 (a-c)

(a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

(c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.

Section 5 - Recycled Water Plan

Step Two: Wastewater Quantity, Quality and Current Uses

Describe the wastewater collection and treatment systems in the service area and quantify the acre-feet of wastewater collected and treated.

Wastewater Collected and Treated - AF/Year (Table 33)

	2000	2005	2010	2015	2020	2025	2030/opt
Wastewater collected & treated in service area	1.5 MGD →						
Quantity that meets recycled water standard	—	—					

Your plan should describe the methods of wastewater disposal (to ocean, rivers, land application, etc.) and quantify the amount of treated water that meets the recycled water standards and is being discharged.

Disposal of wastewater (non-recycled) AF/Y (Table 34)

Method of disposal	Treatment Level	2005	2010	2015	2020	2025	2030/opt
Name of method <i>ponds</i>	<i>Secondary</i>	<i>1.5</i>	<i>1.2</i>	—			
Name of method	<i>+ tertiary</i>	—	<i>0.3</i>	<i>0.3</i>			
Name of method <i>River</i>	<i>Enhanced Secondary</i>			<i>1.2</i>			
Name of method							
Total	XXX						

Percolation ponds
Identify the current uses of recycled water, including type, place and quantities.

Recycled - irrigation
Recycled Water Uses - Actual AF/Y (Table 35 a)

Type of Use	Treatment Level	2005 AF/Y
Agriculture		—
Landscape	<i>Tertiary</i>	<i>0.3 MGD (AVERAGE FOR YEAR)</i>
Wildlife Habitat		—
Wetlands		—
Industrial		—
Groundwater Recharge		—
Other (type of use)		—
Other (type of use)		—
Total	XXX	<i>0.1</i>

Section 5 - Recycled Water Plan

Step Three: Potential and Projected Use, Optimization Plan with Incentives

Water Code section 10633 (d-g)

(d) A description and quantification of the potential uses of recycled water , including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

(e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.

(f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water , and the projected results of these actions in terms of acre-feet of recycled water used per year.

(g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

City will increase from 0.1 mgd (0.0) to 0.4 mgd by 2006

Section 5 - Recycled Water Plan Step Three: Potential and Projected Use, Optimization Plan with Incentives

*for 6 months
Expect
Enhanced secondary
(NPDES Permit
2008 or
by 2009*

Recycled Water Uses - Potential AF/Y (Table 35 b)

Type of Use	Treatment Level	2010	2015	2020	2025	2030/opt
Agriculture						
Landscape						
Wildlife Habitat						
Wetlands						
Industrial						
Groundwater Recharge						
Other (type of use)						
Total	XXX					

Explain the technical and economic feasibility of serving the potential uses listed above.

Projected Future Use of Recycled Water in Service Area - AF/Y (Table 36)

Type of Use	2010	2015	2020	2025	2030/opt
Agriculture					
Landscape					
Wildlife Habitat					
Wetlands					
Industrial					
Groundwater Recharge					
Other (type of use)					
Total projected use of Recycled Water					

Compare your UWMP 2000 projections with UWMP 2005 actual use and explain any discrepancies.

Recycled Water Uses - 2000 Projection compared with 2005 actual - AF/Y (Table 37)

Type of Use	2000 Projection for 2005	2005 actual use
Agriculture		
Landscape		
Wildlife Habitat		
Wetlands		
Industrial		
Groundwater Recharge		
Other (type of use)		
Total		

Describe actions that might be taken to encourage recycled water use and the projected results of these actions in terms of acre-feet of recycled water used per year

Methods to Encourage Recycled Water Use (Table 38)

Actions	AF of use projected to result from this action				
	2010	2015	2020	2025	2030/opt
Financial incentives					
name of action					
name of action					
name of action					
Total					

Provide a recycled water use optimization plan that includes actions to facilitate the use of recycled water (dual distribution systems, promote recirculating uses, etc.)



CALIFORNIA WATER SERVICE COMPANY

1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598
(408) 367-8200

October 7, 2005

Eric A. Miller - Assistant Manager-Project Development
Yuba County Water Agency
1402 D Street
Marysville, CA 95901

Dear Mr. Miller,

Please find attached a second draft copy of California Water Service Company's 2005 Urban Water Management Plan for the Marysville District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. The final form of the plan is required by the California Department of Water Resources on or before December 31, 2005. A public hearing has been scheduled for October 28, 2005 at the following location:

Marysville City Hall Council Chambers
526 "C" Street
Marysville, CA 95901

The review and comment period of this plan will end at close of business on November 4, 2005.

This Urban Water Management Plan is a foundation document and source of information for a Water Supply Assessment and a Written Verification of Water Supply. The Urban Water Management Plan also serves as a long-range planning document for water supply and can be a source document for cities and counties for the preparation of the General Plans. Review of this plan will benefit both of our organizations.

Please acknowledge that this report has been received and reviewed. Send any comments or question to the contact information below.

Thank you for your time,

A handwritten signature in black ink that reads "Thomas Salzano".

Thomas Salzano
Water Resources Planning Supervisor
(408) 367-8340 (phone)
(408) 367-8427 (fax)
tsalzano@calwater.com

Bolzowski, Michael

From: Boyd, Diana
Sent: Wednesday, October 19, 2005 8:17 AM
To: Bolzowski, Michael
Subject: FW: Marysville 2005 UWMP

Hi Mike,

[Here are Kim's comments.](#)

Diana

From: Rosmaier, Kim [mailto:krosmaie@water.ca.gov]
Sent: Tuesday, October 18, 2005 6:25 PM
To: Boyd, Diana; Salzano, Tom
Subject: Marysville 2005 UWMP

Diana and Tom –

I have completed my review of the Cal Water Service Marysville 2005 UWMP. There are some items missing that I hope you can incorporate into the final plan presented to the board. They are as follows:

1) Describe how water management tools / options maximize resources & minimize need to import water (Water Code §10620 (f))

A list of tools is provided but no description of these tools. I cannot give credit for this requirement without some description of each tool. A few lines on each will suffice. ← **Section has been revised**

2) Describe other demographic factors affecting water management Water Code § 10631 (a))
 Although your checklist indicates this is N/A (I assume 'not applicable'), description of the demographics of the service area is needed. Although the area is mostly residential and commercial, industry is mentioned. Suggest you define the industry. ← **Section 2.2.1 has been added**

3) Reviewed implementation plan and schedule of 2000 UWMP (Water Code § 10643)

4) Implemented in accordance with the schedule set forth in plan (Water Code § 10643)

For both 3 and 4, since there was no 2000 UWMP (and should have been since agency was over 3000 connections) I don't know what to suggest to address these items. ← **Section 1.6 has been added**

Also, I noted that in most of the tables in Chapter 6, the percentages did not change even though the "multiple dry year" supply and demand volumes changed while the "normal" volume remained the same. There should have been a slight change in percentage. This should probably be changed if you can get to it. My review sheets automatically calculate the percentages so it will not be an issue for me but will be inaccurate. ← **There is a slight changes as shown in the tables**

Finally, just a friendly reminder that I will need the following items faxed to me with a hard copy to follow.

Attach a copy of adoption resolution (Water Code § 10642)

Provide proof of public hearing (Water Code § 10642)

Call if you feel I've missed something or if you have any questions.

Kim

Kim Rosmaier
CA Dept of Water Resources
3251 S Street
Sacramento CA 95816

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916.227.7600 (Fax)
krosmaie@water.ca.gov



Salzano, Tom

From: Eric Miller [emiller@ycwa.com]
Sent: Thursday, October 20, 2005 4:36 PM
To: Salzano, Tom
Cc: Boyd, Diana; Seidel, Lee
Subject: RE: receipt of CWS - Marysville - UWMP

Tom,

Per my message below (10/13/05), I reviewed the October 2005 draft UWMP for CWS-Marysville and have no further comments. We appreciate Cal-Water incorporating YCWA's suggested edits based on our review of the previous version (August 2005) of the draft UWMP.

Eric A. Miller

Assistant Manager-Project Development

Yuba County Water Agency
1402 D Street
Marysville, CA 95901
530.741.6278
Fax: 530.741.6541

From: Eric Miller [mailto:emiller@ycwa.com]
Sent: Thursday, October 13, 2005 9:57 AM
To: 'tsalzano@calwater.com'
Cc: 'Boyd, Diana'; Lee Seidel (LSeidel@calwater.com); Dave Lamon (dlamon@marysville.ca.us); Naser Bateni (nbateni@geiconsultants.com); 'caikens@ycwa.com'
Subject: receipt of CWS - Marysville - UWMP

Tom Salzano,

Just wanted to confirm receipt of CWS-Marysville's Urban Water Mgmt Plan. I'll review and will contact you and/or local staff if there are any questions. It sounds as if CWS has made the appropriate contact at DWR. Thank you for your assistance. Regards,

Eric A. Miller

Assistant Manager-Project Development

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1402 D Street
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