



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

Office - 916-354-3700 * Fax - 916-354-2082

IMPROVEMENTS COMMITTEE

Regular Meeting

March 7, 2017 at 8:30 a.m.

All persons present at District meetings will place their cellular devices in silent and/or vibrate mode (no ringing of any kind). During meetings, these devices will be used only for emergency purposes and, if used, the party called/calling will exit the meeting room for conversation. Other electronic and internet enabled devices are to be used in the "silent" mode. Under no circumstances will recording devices or problems associated with them be permitted to interrupt or delay District meetings.

AGENDA

1. **Call to Order**
2. **Comments from the Public**
3. **Monthly Updates**
 -  Solar Power Update
4. **Recycled Water Pre-Design Report – Additional Scope of Work and Funding**
5. **Directors & Staff Comments/Suggestions [no action]**
6. **Adjournment**

In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 72 hours prior to a regular meeting will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting.

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is March 3, 2017. Posting locations are: 1) District Office; 2) Rancho Murieta Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: March 1, 2017
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Receive and Consider Updates

SOLAR POWER INSTALLATIONS

Wastewater Treatment Plant Site

Since the last update, SMUD's inspector has been out to inspect the conduit installations for the new power feed. The lines passed inspection and are awaiting Solar City to coordinate the request for the transformer installation. From a direct discussion, SMUD said it would be around three (3) weeks from the date of request to install the transformer. A SMUD telecom technician has also been out to set up SMUD's telemetry system for monitoring the future power feeds. If everything goes as planned, the system could be online by May 2017.

Water Treatment Plant Site

Solar City reported that our parcels have been combined and will now move forward with obtaining final approval from the Sacramento County Permit Office. They are also in the process of finalizing the engineer plans for the electrical routing and connection into the water plant switchgear.

MEMORANDUM

Date: March 1, 2017
To: Board of Directors
From: Paul Siebensohn, Director of Field Operations
Subject: Recycled Water Pre-Design Report – Additional Scope of Work and Funding

RECOMMENDED ACTION

Approve proposal from Kennedy Jenks Consultants, Inc., for additional scope of work for the Recycled Water Pre-Design Report, in an amount not to exceed \$20,240. Funding to come from Water Supply Augmentation Reserves.

BACKGROUND

At the January 30, 2017 Special Board meeting, the Board directed staff to provide Kennedy Jenks Consultants, Inc. with the most current development planning numbers to update the Recycled Water Pre-Design Report. The proposal is attached for your review.

Kennedy/Jenks Consultants
Engineers & Scientists

10850 Gold Center Drive, Suite 350
Rancho Cordova, CA 95670
916.852.2700
FAX 916.858.2754

14 February 2017

Darlene J. Thiel , General Manager
Rancho Murieta Community Services District
15160 Jackson Road
P.O. Box 1050
Rancho Murieta, CA 95683

Subject: Response to Workshop Comments and Potential Amendment No. 1
Rancho Murieta Community Services District

Dear Darlene:

Thank you, and the Board of Directors, for the dialogue and comments received during last week's recycled water workshop as well as Improvements Committee discussions on February 2, 2017. Table 1 reflects my understanding of the items we touched on and comments received during the workshop. Altogether we have listed 21 items and have attempted to categorize each comment into one of the following:

- **Minor Level of Effort:** No additional budget required. Limited to a comment pertaining to correcting two inaccurate reuse areas (correct decimal place). We also emphasized the need for Phase 2 condition assessment in the workshop, not so much in the Preliminary Design Report (PDR). We recommend making sure these two are consistent and the workshop presentation recommendations are clear in the PDR. We will also reference and incorporate the workshop into the PDR in some fashion.
- **Low to Moderate Level of Effort:** Shown in Column 2. Reflects estimate total of 16 hours of additional work or \$3,520 of additional budget. 2-3 hours for effort each.
- **Highest Level of Effort:** Shown in Column 3. Reflects estimate total of 76 hours of additional work or \$16,720 of additional budget. 3-12 hours for effort each.
- **Other Comments:** Likely reflects future items, assumed NOT to be incorporated into the PDR. For example, the final PDR will not be revised to reflect future RMA discussions.

Please note that the level of effort indicated in the table is not just for revising the draft PDR, it includes review and understanding and adjusting what the PDR ramifications are, upfront coordination, development, coordination and review with District staff as needed, incorporating into the PDR along with all pertinent other sections. We should be able to prepare a presentation to update the Board in March if so desired as well within this budget.

Please consider this a menu at this time, what we are hoping to get is consensus on which items to address in the final PDR and how many hours, if any, should be allocated to Amendment No.

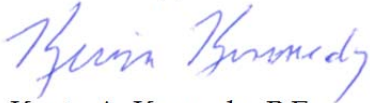
Darlene J. Thiel
Rancho Murieta Community Services District
14 February 2017
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1. Altogether, the level of effort for what we perceive as additional work is 92 hours or \$20,240 (at my rate of \$220 per hour). My impression is that the Board of Directors desires most, if not all, of the items listed under Columns 1, 2 and 3. I am available to discuss any questions you, your staff or Board of Directors may have.

Thank you and the District for allowing K/J the opportunity to continue to support the District with implementation of the Recycled Water Program. If you have any questions or desire any additional information, please feel free to contact Kevin Kennedy at (916) 858-2740 (office) or (530) 363-8800 (cell).

Very truly yours,

KENNEDY/JENKS CONSULTANTS, INC.



Kevin A. Kennedy, P.E.
Senior Project Manager

Attachment: Table

AUTHORIZATION:

RANCHO MURIETA COMMUNITY
SERVICES DISTRICT

By: _____
(Signature)

Darlene J. Thiel
(Print Name)

Title: General Manager

Date: _____

Table 1. Summary of Workshop and Improvements Committee Comments

Row and Column Numbers	1	2	3	4
A	Minor	Low to Moderate Effort	High Level of Effort	Other Comments
B (total)	0 Hours	16 hours additional	76 hours additional	
C	Decimal points for at least 2 reuse areas are incorrect in summary table.	Compare costs to Title XVI Report (2 hours)	Illustrate potential Bass Lake tank location envelope and incorporate into PDR (6 hours, AutoCAD)	Open dialogue with other responsible parties: <ul style="list-style-type: none"> • RMA • Developers Future system managers
D		Develop demand factor summary in tabular format, incorporate into final PDR (2 hours)	Attach and incorporate water balance to show month by month time of use recycled water demand and production characteristics. Limited to one (1) scenario (Buildout). Also used to answer whether WWRP operation periods will be changed. (8 hours).	Consider adding other phases: <ul style="list-style-type: none"> • Phase 1 A (to Lookout Hill) • Serve VV instead of Villages A, B and C in response to reduced RW production after Phase 1
E		Describe Van Vleck sprayfield operation (3 hours)	Describe health concerns of AC pipe. Develop and incorporate costs for installation of separate pipeline from WWRP to Villages A, B and C. May end after Retreats; incorporate ramifications into PDR. Can result in multiple scenarios (8 hours)	Upload Recycled Water Standards onto the RMCS D website as separate document
F		Include/list APNs (2 hours).	Revise development plans to reflect latest numbers (825 goes down to 798 ESFUs) (8 hours)	Ramifications and changes to other historical documents: <ul style="list-style-type: none"> • Chapter 17 – in law flats • WDR
G		Add discussion as to why	Describe and leverage	

		Riverview and Lakeview not added. (2 hours)	average demands and bracket potential production and future improvement ramifications (reduced system layout for average perhaps). Incorporate potential for higher and lower golf course demands as well. (8-12 hours)	
H		Verify then describe that from administrative side, Villages G, H and I may be preferred compared to Villages A, B and C due to large lot size (2 hours)	Comparison of revised VV sprayfield alternative to PDR plan. Represents potential future off-ramp to Villages A, B and C (8-12 hours)	
I		Describe concerns regarding recycled water tank spillage and potential surface water discharges, ramifications to tank siting. (3 hours)	Reference and compare 210 gpd/ESFU wastewater / recycled water production standard to historic data. Recommend additional value if significantly different. Track and describe values and ramifications with application of different value. Describe whether there is a significant impact with respect to costs (8 hours)	
J			Describe base scenario with respect to Disinfection Contact Basin, Recycled Water Pump Station, and Seasonal Storage along with different scenarios (8 hours)	
			Discuss potential for	

			increasing storage beyond 40 AF and cost/benefit ramifications (6 hours)	
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