



LAS VIRGENES MUNICIPAL WATER DISTRICT
4232 Las Virgenes Road, Calabasas, CA 91302

AGENDA
REGULAR MEETING

Members of the public wishing to address the Board of Directors are advised that a statement of Public Comment Protocols is available from the Clerk of the Board. Prior to speaking, each speaker is asked to review these protocols and MUST complete a speakers' card and hand it to the Clerk of the Board. Speakers will be recognized in the order cards are received.

The Public Comments agenda item is presented to allow the public to address the Board on matters not on the agenda. The public may present comments on any agenda item at the time the item is called upon for discussion.

Materials prepared by the District in connection with subject matter on the agenda are available for public inspection at 4232 Las Virgenes Road, Calabasas, CA 91302. Materials prepared by the District and distributed to the Board during this meeting are available for public inspection at the meeting or as soon thereafter as possible. Materials presented to the Board by the public will be maintained as part of the records of these proceedings and are available upon written request to the Clerk of the Board.

5:00 PM

September 24, 2013

PLEDGE OF ALLEGIANCE

1. CALL TO ORDER AND ROLL CALL

A The meeting was called to order at _____ p.m. by _____ in the District offices, and the Secretary called the roll.

<u>Board of Directors</u>	<u>Present</u>	<u>Left</u>	<u>Absent</u>
Charles Caspary, President	_____	_____	_____
Glen Peterson, Vice President/MWD Rep.	_____	_____	_____
Barry Steinhardt, Secretary	_____	_____	_____
Leonard Polan, Treasurer	_____	_____	_____
Lee Renger, Director	_____	_____	_____

2. APPROVAL OF AGENDA

A Moved by Director _____, seconded by Director _____, and _____, that the agenda for the Regular Meeting of September 24, 2013, be approved as presented/amended.

3. **PUBLIC COMMENTS**

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

4. **ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

A Las Virgenes Unified School District: Approval and Presentation of Check for 4/5 Science Team Water-Related Curriculum

Approve a check to Las Virgenes Unified School District in the amount of \$107,000 to fund the water-related curriculum taught by the 4/5 Science Team for Fiscal Year 2013-14.

B Actuarial Study of Retiree Health Liabilities (OPEB)

Accept the Actuarial Study of Retiree Health Liabilities as of June 30, 2013, prepared by Total Compensation Systems, Inc., and authorize the General Manager to pay the Annual Required Contribution, less the pay-as-you-go amount for current retirees, on a quarterly basis.

C Legislative and Regulatory Updates

5. **CONSENT CALENDAR**

A Minutes: Regular Meetings of August 27, 2013 and September 10, 2013. Approve

B List of Demands: September 24, 2013. Approve

C Investment Report for the Month of August 2013. Approve

6. **TREASURER**

7. **BOARD OF DIRECTORS**

A Calabasas Road 10-inch Water Main Repair and Replacement: Continuation of Emergency Authorization

Approve continuation of the emergency authorization for the General Manager to replace approximately 1,500 feet of deteriorated 10-inch water main on Calabasas Road following informal bidding procedures in an amount not to exceed \$700,000.

8. **FACILITIES AND OPERATIONS**

A Communications Site Lease Agreement: Morrison Tank (Woodglen Drive and Ridgebrook Drive, Agoura Hills, CA)

Authorize the General Manager to execute a communications site lease agreement with New Cingular Wireless PCS, LLC for the Morrison Tank site.

B Twin Lakes Pump Station: Pump No. 1 Overhaul

Waive formal bidding requirements for the overhaul of Pump No. 1 at Twin Lakes Pump Station; authorize the General Manager to issue a purchase order in the amount of \$33,109.39 to California Centrifugal Pump, Inc.; and appropriate additional funds in the amount of \$15,525 to complete the work.

9. FINANCE AND ADMINISTRATION

A General Liability and Property Insurance Renewal

Approve the insurance proposal by Tolman & Wiker Insurance Services, LLC in the amount of \$746,412.80, for the term of October 1, 2013, through October 1, 2014.

B Call for Bids: Below Ground Vault Access Cover Retrofit Program

Approve the Notice Inviting Sealed Proposals and proposed bid schedule for the Below Ground Vault Access Cover Retrofit Program.

C Approval of Financial Policy 11: Recycled Water Operations Reserves

Approve the draft Policy 11: Recycled Water Operations Reserves, as written, to be included in the adopted Financial Policies of Las Virgenes Municipal Water District.

10. INFORMATION ITEMS

A 1,235 Ft. Backbone Improvements Project Calabasas Pipeline: Change Order No. 1

B Local Agency Formation Commission (LAFCO): Call of Meeting to Select LAFCO Alternate Member Replacement for Balance of Current Term

C Seismic Valve Report for Potable and Recycled Water Tanks

11. NON-ACTION ITEMS

A Organization Reports

- (1) MWD
 - a. Representative Report/Agenda(s)
- (2) Other

B Director's Reports on Outside Meetings

C General Manager Reports

- (1) General Business
- (2) Follow-Up Items

D Director's Comments

12. FUTURE AGENDA ITEMS

13. PUBLIC COMMENTS

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

14. CLOSED SESSION

A Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):

1. Las Virgenes Municipal Water District v. Millgee Investment Company, Inc.
2. Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection Agency
3. Heal the Bay, Inc. v. Lisa P. Jackson

15. OPEN SESSION AND ADJOURNMENT



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

Subject: Las Virgenes Unified School District: Approval and Presentation of Check for 4/5 Science Team Water-Related Curriculum

SUMMARY:

On August 27, 2013, staff received the attached request and invoice from Las Virgenes Unified School District (LVUSD) for the District's funding of the water-related portion of the Grades 4 and 5 curriculum. Since 2011, the District and LVUSD, which have a shared constituency, have fostered a mutually beneficial partnership to educate the region's students and the wider community on water conservation. The key element of the partnership is the 4/5 Science Team that delivers a water conservation curriculum to more than 1,500 students.

Following approval of the check, Board Members will present the check to representatives of LVUSD who are expected to be in attendance.

RECOMMENDATION(S):

Approve a check to Las Virgenes Unified School District in the amount of \$107,000 to fund the water-related curriculum taught by the 4/5 Science Team for Fiscal Year 2013-14.

FINANCIAL IMPACT:

Funds are available for this purpose in the Fiscal Year 2013-14 Budget, which was approved by the Board of Directors on June 11, 2013.

Prepared By: Carlos G. Reyes, Director of Resource Conservation and Public Outreach

ATTACHMENTS:

[LVUSD Request for Contribution and Invoice](#)

LAS VIRGENES UNIFIED SCHOOL DISTRICT
4111 N. LAS VIRGENES ROAD
CALABASAS, CALIFORNIA 91302
Telephone: (818) 880-4000
Fax: (818) 880-4200
www.lvusd.org



Reid 08/27/13

BOARD OF EDUCATION

JILL GAINES

CINDY ISER

DAVE MOORMAN

LESLI STEIN

GORDON WHITEHEAD

DANIEL STEPENOSKY, Ed.D.
SUPERINTENDENT

Las Virgenes Unified School District Water District Agreement for 4-5 Science

Request for Contribution

Las Virgenes Municipal Water District:

Thank you for your past support. We are respectfully requesting your annual contribution for the 2013/14 fiscal year of \$107,000.

Please Send Check, payable to LVUSD, attention Kristen Pifko.

Thank you!!

Thank you!
[Signature]

INVOICE

DATE: August 27, 2013

Invoice #: Educational Services 08/1006

**TO: Las Virgenes Municipal Water District
4232 N. Las Virgenes Road
Calabasas, CA 91302**

**FROM: Las Virgenes Unified School District
4111 N. Las Virgenes Road
Calabasas, CA 91302**

FOR: The Las Virgenes Unified School District and the Las Virgenes Municipal Water District have established an important and effective educational partnership. With a shared constituency, the two agencies are working together on a number of projects designed to educate our students and the wider community on water efficient practices.

The flagship program of the partnership is the 4/5 Science Team, which delivers water conservation curriculum to grades four and five (more than 1,500 students), and which includes messages that change water habits.

In addition, the partnership provides elementary and high school students access to The Story Pirates. This professional story-telling group uses school-wide assemblies and narrative-writing workshops to teach critical thinking and story-telling around water conservation themes.

The LVUSD/LVMWD partnership is a unique inter-agency cooperative effort that effectively links resources and spreads important messages of water conservation.

AMOUNT: \$107,000.00

Signature:  _____

Account: 01.0-71350.0-11100-10000-1110-0000200



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors
 FROM: Finance & Administration

Subject: Actuarial Study of Retiree Health Liabilities (OPEB)

SUMMARY:

Total Compensation Systems, Inc. (TCS), completed the District's biennial actuarial study of other post-employment benefits (OPEB) as required by the Government Accounting Standards Board (GASB). The valuation date of the study is June 30, 2013. Geoff Kischuk of TCS plans to attend the Board meeting to review the results of the study and any answer questions.

TCS previously prepared actuarial studies dated November 2005 (benchmark study before GASB requirement to establish an OPEB fund), April 2008 and September 2011. The new study considers the age and service life of current employees and retirees, current MOU parameters for OPEB, projections of future medical insurance costs, the most recent CalPERS discount rate and other updated information.

The following table provides a comparison of the results from the four studies for the annual required contribution (ARC) and annual net cost after adjusting for pay-as-you-go (PAYGO) retiree medical insurance payments.

	Benchmark 2005 Study	2008 Study	2011 Study	2013 Study
Normal Cost (Current employees, going forward)	\$527,808	\$179,347	\$254,727	\$304,054
Initial UAAL* Amortization (Liability for past service, spread over 30 years)	556,633	603,223	659,158	699,301
Residual UAAL Amortization	<u>0</u>	<u>0</u>	<u>201,442</u>	<u>345,582</u>
Annual Retirement Contribution before PAYGO	1,084,441	782,570	1,115,327	1,348,937
PAYGO for Retirees, per adopted budget	<u>-335,869</u>	<u>-446,062</u>	<u>-643,000</u>	<u>-870,572</u>
Net Cash Required for ARC in Year 1 of Study	<u>\$748,572</u>	<u>\$336,508</u>	<u>\$472,327</u>	<u>\$478,365</u>

*Unfunded Actuarial Accrued Liability

The table shows that the UAAL has continued to increase due to age of employees and retirees and the increasing cost of health insurance. Between 2011 and 2013, the amortization rate for the residual UAAL was reduced from 7.61% to 7.25% (as required by CalPERS, our OPEB provider), which also contributes to the increase in cost. Future increases will be partially mitigated by changes to the retiree medical benefits recently negotiated with the Management and Supervisor, Professional and Confidential Units, as current employees retire and new employees are hired with the lower retiree medical benefit.

The major difference between the studies for 2005 and 2008 shows the impact of the change in retiree medical benefits negotiated in the 2005 MOU, which raised the length of service necessary for retiree medical and capped the benefit for new employees at 75% of insurance premiums.

With this information, staff recommends that the Board accept the new actuarial study.

RECOMMENDATION(S):

Accept the Actuarial Study of Retiree Health Liabilities as of June 30, 2013, prepared by Total Compensation Systems, Inc., and authorize the General Manager to pay the Annual Required Contribution, less the pay-as-you-go amount for current retirees, on a quarterly basis.

FINANCIAL IMPACT:

The Fiscal Year (FY) 2013-14 ARC for OPEB is \$1,348,937. This amount consists of two parts: (1) \$870,572 for current retiree pay-as-you-go premiums; (2) and \$478,365 for net ARC less the pay-as-you-go amount. Sufficient funds are available in the adopted FY 2013-14 Budget for OPEB. Historically, the District has paid the ARC, less the pay-as-you go amount, as a lump sum at the end of the fiscal year; however, staff recommends that it be paid quarterly to take advantage of dollar-cost-averaging for the OPEB trust.

DISCUSSION:

Background:

GASB requires agencies with annual revenues between \$10 million and \$100 million to establish a plan for funding OPEB by June 30, 2008. The plan was not required to begin funding until June 30, 2009. Legislation allowed the CalPERS to establish OPEB trust funds for California governmental agencies that do not contract with CalPERS for medical insurance.

The District obtains its health insurance through ACWA. The health insurance premiums through ACWA are lower than those for comparable insurance from CalPERS. Also, with the CALPERS medical insurance program, employers must provide the same benefits to retired employees as provided to active employees, and any employee vested in CalPERS retirement who worked for the district would be eligible for the benefits, regardless of length of service.

District's OPEB Provisions:

For employees hired before March 31, 2006, the District requires employees to have worked for the District for five years and to be at least 50 years old before they are eligible for retiree health insurance for themselves and, if applicable, one dependent. Employees hired after March 31, 2006, must work 10 years for the District, be at least 55 years old, and pay 25% of the coverage cost for themselves and, if applicable, one dependent when they retire. In all cases, when retirees reaches age 65, they must file for Medicare and pay the hospitalization premium, and the District health insurance policy becomes a secondary policy.

Under the recently approved Memorandum of Understanding with the Management and Supervisor, Professional and Confidential Units, employees hired after July 1, 2013, with at least 10 years of District service who are age 55 or older at retirement will receive a retiree medical benefit in the amount of 75% of the least expensive plan offered by the District at the time of retirement at the employee only level.

Option of Supplemental OPEB Contributions:

During the financial study in 2007 and the subsequent review of reserve levels, the Board discussed the option of pre-funding the OPEB trust fund by more than the ARC, so investment earnings could offset future growth in the ARC and thus minimize future costs. As of May 31, 2013, the average annualized return for the District's OPEB trust fund administered by CalPERS was 13.03%, compared to the current return of 0.93% for the District's investments. Given the performance of the OPEB trust fund, there could be a substantial financial benefit of making supplemental OPEB contributions beyond the ARC. Any such

contributions would offset potential future increases in OPEB liability, while providing a health return on⁶ investment.

Prepared By: Sandra Hicks, Director of Finance & Administration

ATTACHMENTS:

[Actuarial Study](#)

Las Virgenes Municipal Water District
Actuarial Study of
Retiree Health Liabilities
As of June 30, 2013

Prepared by:
Total Compensation Systems, Inc.

Date: August 31, 2013

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Las Virgenes Municipal Water District

Actuarial Study of Retiree Health Liabilities

PART I: EXECUTIVE SUMMARY

A. Introduction

Las Virgenes Municipal Water District engaged Total Compensation Systems, Inc. (TCS) to analyze liabilities associated with its current retiree health program as of June 30, 2013 (the valuation date). The numbers in this report are based on the assumption that they will first be used to determine accounting entries for the fiscal year ending June 30, 2013. If the report will first be used for a different fiscal year, the numbers will need to be adjusted accordingly.

This report does not reflect any cash benefits paid unless the retiree is required to provide proof that the cash benefits are used to reimburse the retiree's cost of health benefits. Costs and liabilities attributable to cash benefits paid to retirees are reportable under Governmental Accounting Standards Board (GASB) Standards 25/27.

This actuarial study is intended to serve the following purposes:

- To provide information to enable Las Virgenes Municipal Water District to manage the costs and liabilities associated with its retiree health benefits.
- To provide information to enable Las Virgenes Municipal Water District to communicate the financial implications of retiree health benefits to internal financial staff, the Board, employee groups and other affected parties.
- To provide information needed to comply with Governmental Accounting Standards Board Accounting Standards 43 and 45 related to "other postemployment benefits" (OPEB's).

Because this report was prepared in compliance with GASB 43 and 45, as appropriate, Las Virgenes Municipal Water District should not use this report for any other purpose without discussion with TCS. This means that any discussions with employee groups, governing Boards, etc. should be restricted to the implications of GASB 43 and 45 compliance.

This actuarial report includes several estimates for Las Virgenes Municipal Water District's retiree health program. In addition to the tables included in this report, we also performed cash flow adequacy tests as required under Actuarial Standard of Practice 6 (ASOP 6). Our cash flow adequacy testing covers a twenty-year period. We would be happy to make this cash flow adequacy test available to Las Virgenes Municipal Water District in spreadsheet format upon request.

We calculated the following estimates separately for active employees and retirees. As requested, we also separated results by the following employee classifications: Board Members, Other Management, General Managers and Department Heads, General Employees and Supervisors. We estimated the following:

- the total liability created. (The actuarial present value of total projected benefits or APVTPB)
- the ten year "pay-as-you-go" cost to provide these benefits.

Total Compensation Systems, Inc.

- the "actuarial accrued liability (AAL)." (The AAL is the portion of the APVTPB attributable to employees' service prior to the valuation date.)
- the amount necessary to amortize the UAAL over a period of 30 years.
- the annual contribution required to fund retiree benefits over the working lifetime of eligible employees (the "normal cost").
- The Annual Required Contribution (ARC) which is the basis of calculating the annual OPEB cost and net OPEB obligation under GASB 43 and 45.

We summarized the data used to perform this study in Appendix A. No effort was made to verify this information beyond brief tests for reasonableness and consistency.

All cost and liability figures contained in this study are estimates of future results. Future results can vary dramatically and the accuracy of estimates contained in this report depends on the actuarial assumptions used. Normal costs and liabilities could easily vary by 10 - 20% or more from estimates contained in this report.

B. General Findings

We estimate the "pay-as-you-go" cost of providing retiree health benefits in the year beginning July 1, 2013 to be \$794,297 (see Section IV.A.). The "pay-as-you-go" cost is the cost of benefits for current retirees.

For current employees, the value of benefits "accrued" in the year beginning July 1, 2013 (the normal cost) is \$304,054. This normal cost would increase each year based on covered payroll. Had Las Virgenes Municipal Water District begun accruing retiree health benefits when each current employee and retiree was hired, a substantial liability would have accumulated. We estimate the amount that would have accumulated to be \$17,945,074. This amount is called the "actuarial accrued liability" (AAL). The remaining unamortized balance of the initial unfunded AAL (UAAL) is \$10,218,145. This leaves a "residual" AAL of \$7,726,929.

Las Virgenes Municipal Water District has established a GASB 43 trust for future OPEB benefits. The actuarial value of plan assets at June 30, 2013 was \$2,017,149. This leaves a residual unfunded actuarial accrued liability (UAAL) of \$5,709,780. We calculated the annual cost to amortize the residual unfunded actuarial accrued liability using a 7.25% discount rate. We used an open 30 year amortization period. The current year cost to amortize the residual unfunded actuarial accrued liability is \$345,582.

Combining the normal cost with both the initial and residual UAAL amortization costs produces an annual required contribution (ARC) of \$1,348,937. The ARC is used as the basis for determining expenses and liabilities under GASB 43/45. The ARC is used in lieu of (rather than in addition to) the "pay-as-you-go" cost.

We based all of the above estimates on employees as of May, 2013. Over time, liabilities and cash flow will vary based on the number and demographic characteristics of employees and retirees.

C. Description of Retiree Benefits

Following is a description of the current retiree benefit plan. The District has recently made changes to the retiree benefit program. Because these changes do not affect any plan participants included in this valuation, the changes will be reflected in a subsequent report.

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	<u>Other Management</u>	<u>General Employees</u>	<u>General Managers and Department Heads</u>	<u>Supervisors and Confidential</u>
Benefit types provided	Medical only	Medical only	Medical only	Medical only
Duration of Benefits	Lifetime	Lifetime	Lifetime	Lifetime
Required Service	10 years*	10 years*	10 years*	10 years*
Minimum Age	55	55	55	55
Dependent Coverage	Yes	Yes	Yes	Yes
District Contribution %	100%	100%	100%	100%
District Cap	75% of PPO Rate (Medicare Supp Rate after age 65)*	75% of PPO Rate (Medicare Supp Rate after age 65)*	75% of PPO Rate (Medicare Supp Rate after age 65)*	75% of PPO Rate (Medicare Supp Rate after age 65)*

*Those hired prior to April 1, 2006 are entitled to 100% payment after being vested under the pension plan.

D. Recommendations

It is outside the scope of this report to make specific recommendations of actions Las Virgenes Municipal Water District should take to manage the substantial liability created by the current retiree health program. Total Compensation Systems, Inc. can assist in identifying and evaluating options once this report has been studied. The following recommendations are intended only to allow the District to get more information from this and future studies. Because we have not conducted a comprehensive administrative audit of Las Virgenes Municipal Water District's practices, it is possible that Las Virgenes Municipal Water District is already complying with some or all of our recommendations.

- We recommend that Las Virgenes Municipal Water District inventory all benefits and services provided to retirees – whether contractually or not and whether retiree-paid or not. For each, Las Virgenes Municipal Water District should determine whether the benefit is material and subject to GASB 43 and/or 45.
- We recommend that Las Virgenes Municipal Water District conduct a study whenever events or contemplated actions significantly affect present or future liabilities, but no less frequently than every two years, as required under GASB 43/45.
- We recommend that the District communicate the magnitude of these costs to employees and include employees in discussions of options to control the costs.
- Under GASB 45, it is important to isolate the cost of retiree health benefits. Las Virgenes Municipal Water District should have all premiums, claims and expenses for retirees separated from active employee premiums, claims, expenses, etc. To the extent any retiree benefits are made available to retirees over the age of 65 – *even on a retiree-pay-all basis* – all premiums, claims and expenses for post-65 retiree coverage should be segregated from those for pre-65 coverage. Furthermore, Las Virgenes Municipal Water District should arrange for the rates or prices of all retiree benefits to be set on what is expected to be a self-sustaining basis.
- Las Virgenes Municipal Water District should establish a way of designating employees as eligible or ineligible for future OPEB benefits. Ineligible employees can include those in ineligible job

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classes; those hired after a designated date restricting eligibility; those who, due to their age at hire cannot qualify for District-paid OPEB benefits; employees who exceed the termination age for OPEB benefits, etc.

- Several assumptions were made in estimating costs and liabilities under Las Virgenes Municipal Water District's retiree health program. Further studies may be desired to validate any assumptions where there is any doubt that the assumption is appropriate. (See Appendices B and C for a list of assumptions and concerns.) For example, Las Virgenes Municipal Water District should maintain a retiree database that includes – in addition to date of birth, gender and employee classification – retirement date and (if applicable) dependent date of birth, relationship and gender. It will also be helpful for Las Virgenes Municipal Water District to maintain employment termination information – namely, the number of OPEB-eligible employees in each employee class that terminate employment each year for reasons other than death, disability or retirement.

Respectfully submitted,



Geoffrey L. Kischuk, FSA, MAAA, FCA
Consultant
Total Compensation Systems, Inc.
(805) 496-1700

PART II: BACKGROUND

A. Summary

Accounting principles provide that the cost of retiree benefits should be “accrued” over employees’ working lifetime. For this reason, the Governmental Accounting Standards Board (GASB) issued in 2004 Accounting Standards 43 and 45 for retiree health benefits. These standards apply to all public employers that pay any part of the cost of retiree health benefits for current or future retirees (including early retirees).

B. Actuarial Accrual

To actuarially accrue retiree health benefits requires determining the amount to expense each year so that the liability accumulated at retirement is, on average, sufficient (with interest) to cover all retiree health expenditures without the need for additional expenses. There are many different ways to determine the annual accrual amount. The calculation method used is called an “actuarial cost method.”

Under most actuarial cost methods, there are two components of actuarial cost - a “normal cost” and amortization of something called the “unfunded actuarial accrued liability.” Both accounting standards and actuarial standards usually address these two components separately (though alternative terminology is sometimes used).

The normal cost can be thought of as the value of the benefit earned each year if benefits are accrued during the working lifetime of employees. This report will not discuss differences between actuarial cost methods or their application. Instead, following is a description of a commonly used, generally accepted actuarial cost method that will be permitted under GASB 43 and 45. This actuarial cost method is called the “entry age normal” method.

Under the entry age normal cost method, the actuary determines the annual amount needing to be expensed from hire until retirement to fully accrue the cost of retiree health benefits. This amount is the normal cost. Under GASB 43 and 45, normal cost can be expressed either as a level dollar amount or a level percentage of payroll.

The normal cost is determined using several key assumptions:

- The current ***cost of retiree health benefits*** (often varying by age, Medicare status and/or dependent coverage). The higher the current cost of retiree benefits, the higher the normal cost.
- The ***“trend” rate*** at which retiree health benefits are expected to increase over time. A higher trend rate increases the normal cost. A “cap” on District contributions can reduce trend to zero once the cap is reached thereby dramatically reducing normal costs.
- ***Mortality rates*** varying by age and sex. (Unisex mortality rates are not often used as individual OPEB benefits do not depend on the mortality table used.) If employees die prior to retirement, past contributions are available to fund benefits for employees who live to retirement. After retirement, death results in benefit termination or reduction. Although higher mortality rates reduce normal costs, the mortality assumption is not likely to vary from employer to employer.
- ***Employment termination rates*** have the same effect as mortality inasmuch as higher termination rates reduce normal costs. Employment termination can vary considerably between public agencies.
- The ***service requirement*** reflects years of service required to earn full or partial retiree benefits.

Total Compensation Systems, Inc.

While a longer service requirement reduces costs, cost reductions are not usually substantial unless the service period exceeds 20 years of service.

- **Retirement rates** determine what proportion of employees retire at each age (assuming employees reach the requisite length of service). Retirement rates often vary by employee classification and implicitly reflect the minimum retirement age required for eligibility. Retirement rates also depend on the amount of pension benefits available. Higher retirement rates increase normal costs but, except for differences in minimum retirement age, retirement rates tend to be consistent between public agencies for each employee type.
- **Participation rates** indicate what proportion of retirees are expected to elect retiree health benefits if a significant retiree contribution is required. Higher participation rates increase costs.
- The **discount rate** estimates investment earnings for assets earmarked to cover retiree health benefit liabilities. The discount rate depends on the nature of underlying assets. For example, employer funds earning money market rates in the county treasury are likely to earn far less than an irrevocable trust containing a diversified asset portfolio including stocks, bonds, etc. A higher discount rate can dramatically lower normal costs. GASB 43 and 45 require the interest assumption to reflect likely *long term* investment return.

The assumptions listed above are not exhaustive, but are the most common assumptions used in actuarial cost calculations. The actuary selects the assumptions which - taken together - will yield reasonable results. It's not necessary (or even possible) to predict individual assumptions with complete accuracy.

If all actuarial assumptions are exactly met and an employer expensed the normal cost every year for all past and current employees and retirees, a sizeable liability would have accumulated (after adding interest and subtracting retiree benefit costs). The liability that would have accumulated is called the actuarial accrued liability or AAL. The excess of AAL over the **actuarial value of plan assets** is called the *unfunded* actuarial accrued liability (or UAAL). Under GASB 43 and 45, in order for assets to count toward offsetting the AAL, the assets have to be held in an irrevocable trust that is safe from creditors and can only be used to provide OPEB benefits to eligible participants.

The actuarial accrued liability (AAL) can arise in several ways. At inception of GASB 43 and 45, there is usually a substantial UAAL. Some portion of this amount can be established as the "transition obligation" subject to certain constraints. UAAL can also increase as the result of operation of a retiree health plan - e.g., as a result of plan changes or changes in actuarial assumptions. Finally, AAL can arise from actuarial gains and losses. Actuarial gains and losses result from differences between actuarial assumptions and actual plan experience.

Under GASB 43 and 45, employers have several options on how the UAAL can be amortized as follows:

- The employer can select an amortization period of 1 to 30 years. (For certain situations that result in a reduction of the AAL, the amortization period must be at least 10 years.)
- The employer may apply the same amortization period to the total combined UAAL or can apply different periods to different components of the UAAL.
- The employer may elect a "closed" or "open" amortization period.
- The employer may choose to amortize on a level dollar or level percentage of payroll method.

PART III: LIABILITIES AND COSTS FOR RETIREE BENEFITS

A. Introduction.

We calculated the actuarial present value of projected benefits (APVPB) separately for each employee. We determined eligibility for retiree benefits based on information supplied by Las Virgenes Municipal Water District. We then selected assumptions for the factors discussed in the above Section that, based on plan experience and our training and experience, represent our best prediction of future plan experience. For each employee, we applied the appropriate factors based on the employee's age, sex and length of service.

We summarized actuarial assumptions used for this study in Appendix C.

B. Medicare

The extent of Medicare coverage can affect projections of retiree health costs. The method of coordinating Medicare benefits with the retiree health plan's benefits can have a substantial impact on retiree health costs. We will be happy to provide more information about Medicare integration methods if requested.

C. Liability for Retiree Benefits.

For each employee, we projected future premium costs using an assumed trend rate (see Appendix C). To the extent Las Virgenes Municipal Water District uses contribution caps, the influence of the trend factor is further reduced.

We multiplied each year's projected cost by the probability that premium will be paid; i.e. based on the probability that the employee is living, has not terminated employment and has retired. The probability that premium will be paid is zero if the employee is not eligible. The employee is not eligible if s/he has not met minimum service, minimum age or, if applicable, maximum age requirements.

The product of each year's premium cost and the probability that premium will be paid equals the expected cost for that year. We discounted the expected cost for each year to the valuation date June 30, 2013 at 7.25% interest.

Finally, we multiplied the above discounted expected cost figures by the probability that the retiree would elect coverage. A retiree may not elect to be covered if retiree health coverage is available less expensively from another source (e.g. Medicare risk contract) or the retiree is covered under a spouse's plan.

For any current retirees, the approach used was similar. The major difference is that the probability of payment for current retirees depends only on mortality and age restrictions (i.e. for retired employees the probability of being retired and of not being terminated are always both 1.0000).

We added the APVPB for all employees to get the actuarial present value of total projected benefits (APVTPB). The APVTPB is the estimated present value of all future retiree health benefits for all **current** employees and retirees. The APVTPB is the amount on June 30, 2013 that, if all actuarial assumptions are exactly right, would be sufficient to expense all promised benefits until the last current employee or retiree dies or reaches the maximum eligibility age.

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Actuarial Present Value of Total Projected Benefits at June 30, 2013

	<i>Total</i>	<i>Board Members</i>	<i>Other Management</i>	<i>General Managers and Department Heads</i>	<i>General Employees</i>	<i>Supervisors</i>
Active: Pre-65	\$3,017,211	\$0	\$226,073	\$110,750	\$2,001,106	\$679,282
Post-65	\$7,548,219	\$0	\$757,282	\$333,064	\$4,676,272	\$1,781,601
Subtotal	\$10,565,430	\$0	\$983,355	\$443,814	\$6,677,378	\$2,460,883
Retiree: Pre-65	\$1,367,881	\$0	\$115,448	\$39,965	\$924,715	\$287,753
Post-65	\$7,955,492	\$6,991	\$1,440,039	\$917,317	\$4,392,239	\$1,198,906
Subtotal	\$9,323,373	\$6,991	\$1,555,487	\$957,282	\$5,316,954	\$1,486,659
Grand Total	\$19,888,803	\$6,991	\$2,538,842	\$1,401,096	\$11,994,332	\$3,947,542
Subtotal Pre-65	\$4,385,092	\$0	\$341,521	\$150,715	\$2,925,821	\$967,035
Subtotal Post-65	\$15,503,711	\$6,991	\$2,197,321	\$1,250,381	\$9,068,511	\$2,980,507

The APVTPB should be accrued over the working lifetime of employees. At any time much of it has not been "earned" by employees. The APVTPB is used to develop expense and liability figures. To do so, the APVTFB is divided into two parts: the portions attributable to service rendered prior to the valuation date (the past service liability or actuarial accrued liability under GASB 43 and 45) and to service after the valuation date but prior to retirement (the future service liability).

The past service and future service liabilities are each funded in a different way. We will start with the future service liability which is funded by the normal cost.

D. Cost to Prefund Retiree Benefits

1. Normal Cost

The average hire age for eligible employees is 36. To accrue the liability by retirement, the District would accrue the retiree liability over a period of about 24 years (assuming an average retirement age of 60). We applied an "entry age normal" actuarial cost method to determine funding rates for active employees. The table below summarizes the calculated normal cost.

Normal Cost Year Beginning June 30, 2013

	<i>Total</i>	<i>Board Members</i>	<i>Other Management</i>	<i>General Managers and Department Heads</i>	<i>General Employees</i>	<i>Supervisors</i>
# of Employees	115	0	10	4	79	22
Per Capita Normal Cost						
Pre-65 Benefit	N/A	\$0	\$1,211	\$1,018	\$962	\$869
Post-65 Benefit	N/A	\$0	\$2,221	\$1,782	\$1,662	\$1,460
First Year Normal Cost						
Pre-65 Benefit	\$111,298	\$0	\$12,110	\$4,072	\$75,998	\$19,118
Post-65 Benefit	\$192,756	\$0	\$22,210	\$7,128	\$131,298	\$32,120
Total	\$304,054	\$0	\$34,320	\$11,200	\$207,296	\$51,238

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Accruing retiree health benefit costs using normal costs levels out the cost of retiree health benefits over time and more fairly reflects the value of benefits "earned" each year by employees. This normal cost would increase each year based on covered payroll.

2. Amortization of Unfunded Actuarial Accrued Liability (UAAL)

If actuarial assumptions are borne out by experience, the District will fully accrue retiree benefits by expensing an amount each year that equals the normal cost. If no accruals had taken place in the past, there would be a shortfall of many years' accruals, accumulated interest and forfeitures for terminated or deceased employees. This shortfall is called the actuarial accrued liability (AAL). We calculated the AAL as the APVTPB minus the present value of future normal costs.

The initial UAAL was amortized using a closed amortization period of 30 years. The District can amortize the remaining or residual UAAL over many years. The table below shows the annual amount necessary to amortize the UAAL over a period of 30 years at 7.25% interest. (Thirty years is the longest amortization period allowable under GASB 43 and 45.) GASB 43 and 45 will allow amortizing the UAAL using either payments that stay the same as a dollar amount, or payments that are a flat percentage of covered payroll over time. The figures below reflect the level percentage of payroll method.

Actuarial Accrued Liability as of June 30, 2013

	<i>Total</i>	<i>Board Members</i>	<i>Other Management</i>	<i>General Managers and Department Heads</i>	<i>General Employees</i>	<i>Supervisors</i>
Active: Pre-65	\$2,305,263	\$0	\$168,395	\$94,719	\$1,462,143	\$580,006
Post-65	\$6,316,440	\$0	\$651,499	\$305,001	\$3,745,132	\$1,614,808
Subtotal	\$8,621,703	\$0	\$819,894	\$399,720	\$5,207,275	\$2,194,814
Retiree: Pre-65	\$1,367,881	\$0	\$115,448	\$39,965	\$924,715	\$287,753
Post-65	\$7,955,492	\$6,991	\$1,440,039	\$917,317	\$4,392,239	\$1,198,906
Subtotal	\$9,323,373	\$6,991	\$1,555,487	\$957,282	\$5,316,954	\$1,486,659
Subtot Pre-65	\$3,673,144	\$0	\$283,843	\$134,684	\$2,386,858	\$867,759
Subtot Post-65	\$14,271,932	\$6,991	\$2,091,538	\$1,222,318	\$8,137,371	\$2,813,714
Grand Total	\$17,945,074	\$6,991	\$2,375,380	\$1,357,002	\$10,524,228	\$3,681,473
Unamortized Initial UAAL	\$10,218,145					
Plan assets at 6/30/13	\$2,017,149					
Residual UAAL	\$5,709,780					
Residual UAAL Amortization at 7.25% over 30 Years	\$345,582					

3. Annual Required Contributions (ARC)

If the District determines retiree health plan expenses in accordance with GASB 43 and 45, costs will include both normal cost and one or more components of UAAL amortization costs. The sum of normal cost and

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UAAL amortization costs is called the Annual Required Contribution (ARC) and is shown below.

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Annual Required Contribution (ARC) Year Beginning July 1, 2013

	<i>Total</i>
Normal Cost	\$304,054
Initial UAAL Amortization	\$699,301
Residual UAAL Amortization	\$345,582
ARC	\$1,348,937

The normal cost remains as long as there are active employees who may some day qualify for District-paid retiree health benefits. This normal cost would increase each year based on covered payroll.

4. Other Components of Annual OPEB Cost (AOC)

Expense and liability amounts may include more components of cost than the normal cost plus amortization of the UAAL. This will apply to employers that don't fully fund the Annual Required Cost (ARC) through an irrevocable trust.

- The annual OPEB cost (AOC) will include assumed interest on the net OPEB obligation (NOO). The annual OPEB cost will also include an amortization adjustment for the net OPEB obligation. (It should be noted that there is no NOO if the ARC is fully funded through a qualifying "plan".)
- The net OPEB obligation will equal the accumulated differences between the (AOC) and qualifying "plan" contributions.

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PART IV: "PAY AS YOU GO" FUNDING OF RETIREE BENEFITS

We used the actuarial assumptions shown in Appendix C to project ten year cash flow under the retiree health program. Because these cash flow estimates reflect average assumptions applied to a relatively small number of employees, estimates for individual years are **certain** to be **inaccurate**. However, these estimates show the size of cash outflow.

The following table shows a projection of annual amounts needed to pay the District share of retiree health premiums.

<i>Year Beginning July 1</i>	<i>Total</i>	<i>Board Members</i>	<i>Other Management</i>	<i>General Managers and Department Heads</i>	<i>General Employees</i>	<i>Supervisors</i>
2013	\$794,297	\$1,981	\$157,080	\$80,595	\$418,864	\$135,777
2014	\$829,551	\$1,605	\$158,450	\$84,615	\$443,093	\$141,788
2015	\$906,694	\$1,271	\$163,568	\$90,493	\$482,834	\$168,528
2016	\$974,730	\$983	\$168,106	\$95,474	\$523,947	\$186,220
2017	\$1,056,356	\$743	\$172,997	\$104,150	\$572,632	\$205,834
2018	\$1,127,403	\$548	\$178,095	\$110,008	\$613,412	\$225,340
2019	\$1,209,542	\$394	\$179,283	\$114,944	\$662,083	\$252,838
2020	\$1,280,153	\$276	\$180,926	\$119,151	\$712,776	\$267,024
2021	\$1,371,834	\$188	\$182,307	\$119,501	\$777,163	\$292,675
2022	\$1,460,320	\$122	\$186,558	\$121,348	\$833,758	\$318,534

PART V: RECOMMENDATIONS FOR FUTURE VALUATIONS

To effectively manage benefit costs, an employer must periodically examine the existing liability for retiree benefits as well as future annual expected premium costs. GASB 43/45 require biennial valuations. In addition, a valuation should be conducted whenever plan changes, changes in actuarial assumptions or other employer actions are likely to cause a material change in accrual costs and/or liabilities.

Following are examples of actions that could trigger a new valuation.

- An employer should perform a valuation whenever the employer considers or puts in place an early retirement incentive program.
- An employer should perform a valuation whenever the employer adopts a retiree benefit plan for some or all employees.
- An employer should perform a valuation whenever the employer considers or implements changes to retiree benefit provisions or eligibility requirements.
- An employer should perform a valuation whenever the employer introduces or changes retiree contributions.

We recommend Las Virgenes Municipal Water District take the following actions to ease future valuations.

- We have used our training, experience and information available to us to establish the actuarial assumptions used in this valuation. We have no information to indicate that any of the assumptions do not reasonably reflect future plan experience. However, the District should review the actuarial assumptions in Appendix C carefully. If the District has any reason to believe that any of these assumptions do not reasonably represent the expected future experience of the retiree health plan, the District should engage in discussions or perform analyses to determine the best estimate of the assumption in question.

PART VI: APPENDICES**APPENDIX A: MATERIALS USED FOR THIS STUDY**

We relied on the following materials to complete this study.

- We used paper reports and digital files containing employee demographic data from the District personnel records.
- We used relevant sections of collective bargaining agreements provided by the District.

APPENDIX B: EFFECT OF ASSUMPTIONS USED IN CALCULATIONS

While we believe the estimates in this study are reasonable overall, it was necessary for us to use assumptions which inevitably introduce errors. We believe that the errors caused by our assumptions will not materially affect study results. If the District wants more refined estimates for decision-making, we recommend additional investigation. Following is a brief summary of the impact of some of the more critical assumptions.

1. Where actuarial assumptions differ from expected experience, our estimates could be overstated or understated. One of the most critical assumptions is the medical trend rate. The District may want to commission further study to assess the sensitivity of liability estimates to our medical trend assumptions. For example, it may be helpful to know how liabilities would be affected by using a trend factor 1% higher than what was used in this study. There is an additional fee required to calculate the impact of alternative trend assumptions.
2. We used an "entry age normal" actuarial cost method to estimate the actuarial accrued liability and normal cost. GASB allows this as one of several permissible methods under GASB45. Using a different cost method could result in a somewhat different recognition pattern of costs and liabilities.

APPENDIX C: ACTUARIAL ASSUMPTIONS AND METHODS

Following is a summary of actuarial assumptions and methods used in this study. The District should carefully review these assumptions and methods to make sure they reflect the District's assessment of its underlying experience. It is important for Las Virgenes Municipal Water District to understand that the appropriateness of all selected actuarial assumptions and methods are Las Virgenes Municipal Water District's responsibility. Unless otherwise disclosed in this report, TCS believes that all methods and assumptions are within a reasonable range based on the provisions of GASB 43 and 45, applicable actuarial standards of practice, Las Virgenes Municipal Water District's actual historical experience, and TCS's judgment based on experience and training.

ACTUARIAL METHODS AND ASSUMPTIONS:

ACTUARIAL COST METHOD: Entry age normal. The allocation of OPEB cost is based on years of service. We used the level percentage of payroll method to allocate OPEB cost over years of service.

Entry age is based on the age at hire for eligible employees. The attribution period is determined as the difference between the expected retirement age and the age at hire. The present value of future benefits and present value of future normal costs are determined on an employee by employee basis and then aggregated.

To the extent that different benefit formulas apply to different employees of the same class, the normal cost is based on the benefit plan applicable to the most recently hired employees (including future hires if a new benefit formula has been agreed to and communicated to employees).

AMORTIZATION METHODS: We used a level percent, closed 30 year amortization period for the initial UAAL. We used a level percent, open 30 year amortization period for any residual UAAL.

SUBSTANTIVE PLAN: As required under GASB 43 and 45, we based the valuation on the substantive plan. The formulation of the substantive plan was based on a review of written plan documents as well as historical information provided by Las Virgenes Municipal Water District regarding practices with respect to employer and employee contributions and other relevant factors.

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ECONOMIC ASSUMPTIONS:

Economic assumptions are set under the guidance of Actuarial Standard of Practice 27 (ASOP 27). Among other things, ASOP 27 provides that economic assumptions should reflect a consistent underlying rate of general inflation. For that reason, we show our assumed long-term inflation rate below.

INFLATION: We assumed 2.75% per year.

INVESTMENT RETURN / DISCOUNT RATE: We assumed 7.25% per year. This is based on assumed long-term return on plan assets assuming 100% funding through CERBT. We used the “Building Block Method” as described in ASOP 27 Paragraph 3.6.2.

TREND: We assumed 4% per year. Our long-term trend assumption is based on the conclusion that, while medical trend will continue to be cyclical, the average increase over time cannot continue to outstrip general inflation by a wide margin. Trend increases in excess of general inflation result in dramatic increases in unemployment, the number of uninsured and the number of underinsured. These effects are nearing a tipping point which will inevitably result in fundamental changes in health care finance and/or delivery which will bring increases in health care costs more closely in line with general inflation. We do not believe it is reasonable to project historical trend vs. inflation differences several decades into the future.

PAYROLL INCREASE: We assumed 2.75% per year. This assumption applies only to the extent that either or both of the normal cost and/or UAAL amortization use the level percentage of payroll method. For purposes of applying the level percentage of payroll method, payroll increase must not assume any increases in staff or merit increases.

ACTUARIAL VALUE OF PLAN ASSETS (AVA): We used asset values provided by Las Virgenes Municipal Water District. We used a 15 year smoothing formula with a 20% corridor around market value.

The following are the calculations for the adjusted value of plan assets:

<i>CERBT - Strategy 1</i>	<i>Amount</i>
(1) Market value at 6/30/13	\$2,136,817
(2) Accumulated contributions (disbursements) at 7.61%	\$2,008,602
(3) Value in (2) + 1/15 of (1) minus (2)	\$2,017,149
(4) Value in (3) adjusted to minimum or maximum*	\$2,017,149
(5) AVA at 6/30/13 adjusted to valuation date at 7.61%	\$2,017,149

* Minimum is 80% of market value; maximum is 120% of market value

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NON-ECONOMIC ASSUMPTIONS:

Economic assumptions are set under the guidance of Actuarial Standard of Practice 35 (ASOP 35).

MORTALITY

<i>Employee Type</i>	<i>Mortality Tables</i>
Miscellaneous	2009 CalPERS Mortality for Miscellaneous Employees

RETIREMENT RATES

<i>Employee Type</i>	<i>Retirement Rate Tables</i>
Miscellaneous	2009 CalPERS 2.0%@55 Rates for Miscellaneous Employees

VESTING RATES

<i>Employee Type</i>	<i>Vesting Rate Tables</i>
Other Management	Hired prior to 4/1/06: 100% at 5 Years of Service Hired > 3/31/06: 100% at 10 Years of Service
General Employees	Hired prior to 4/1/06: 100% at 5 Years of Service Hired > 3/31/06: 100% at 10 Years of Service
General Managers and Department Heads	Hired prior to 4/1/06: 100% at 5 Years of Service Hired > 3/31/06: 100% at 10 Years of Service
Supervisors	Hired prior to 4/1/06: 100% at 5 Years of Service Hired > 3/31/06: 100% at 10 Years of Service

COSTS FOR RETIREE COVERAGE

Retiree liabilities are based on actual retiree costs. Liabilities for active participants are based on the first year costs shown below. Subsequent years' costs are based on first year costs adjusted for trend and limited by any District contribution caps.

<i>Employee Type</i>	<i>Future Retirees Pre-65</i>	<i>Future Retirees Post-65</i>
Other Management	Hired > 3/31/06: \$9,668 Hired prior to 4/1/06: \$12,891	Hired > 3/31/06: \$7,790 Hired prior to 4/1/06: \$10,386
General Employees	Hired > 3/31/06: \$9,668 Hired prior to 4/1/06: \$12,891	Hired > 3/31/06: \$7,790 Hired prior to 4/1/06: \$10,386
General Managers and Department Heads	Hired > 3/31/06: \$9,668 Hired prior to 4/1/06: \$12,891	Hired > 3/31/06: \$7,790 Hired prior to 4/1/06: \$10,386
Supervisors	Hired > 3/31/06: \$9,668 Hired prior to 4/1/06: \$12,891	Hired > 3/31/06: \$7,790 Hired prior to 4/1/06: \$10,386

PARTICIPATION RATES

<i>Employee Type</i>	<i><65 Non-Medicare Participation %</i>	<i>65+ Medicare Participation %</i>
Other Management	Statutory minimum benefits: 90% Additional Benefits: 100%	Statutory minimum benefits: 90% Additional Benefits: 100%
General Employees	Statutory minimum benefits: 90% Additional Benefits: 100%	Statutory minimum benefits: 90% Additional Benefits: 100%
General Managers and Department Heads	Statutory minimum benefits: 90% Additional Benefits: 100%	Statutory minimum benefits: 90% Additional Benefits: 100%
Supervisors	Statutory minimum benefits: 90% Additional Benefits: 100%	Statutory minimum benefits: 90% Additional Benefits: 100%

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TURNOVER

<i>Employee Type</i>	<i>Turnover Rate Tables</i>
Miscellaneous	2009 CalPERS Turnover for Miscellaneous Employees

SPOUSE PREVALENCE

To the extent not provided and when needed to calculate benefit liabilities, 80% of retirees assumed to be married at retirement. After retirement, the percentage married is adjusted to reflect mortality.

SPOUSE AGES

To the extent spouse dates of birth are not provided and when needed to calculate benefit liabilities, female spouse assumed to be three years younger than male.

AGING FACTORS

<i>Attained Age</i>	<i>Medical Annual Increases</i>
50-64	3.5%
65-69	3.0%
70-74	2.5%
75-79	1.5%
80-84	0.5%
85+	0.0%

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APPENDIX D: DISTRIBUTION OF ELIGIBLE PARTICIPANTS BY AGE

ELIGIBLE ACTIVE EMPLOYEES

<i>Age</i>	<i>Total</i>	<i>Board Members</i>	<i>Other Management</i>	<i>General Managers and Department Heads</i>	<i>General Employees</i>	<i>Supervisors</i>
Under 25	1	0	0	0	0	1
25-29	5	0	0	0	5	0
30-34	6	0	0	0	6	0
35-39	10	0	1	0	8	1
40-44	13	0	0	1	11	1
45-49	27	0	3	0	19	5
50-54	20	0	1	1	12	6
55-59	18	0	2	1	10	5
60-64	14	0	3	1	7	3
65 and older	1	0	0	0	1	0
Total	115	0	10	4	79	22

ELIGIBLE RETIREES

<i>Age</i>	<i>Total</i>	<i>Board Members</i>	<i>Other Management</i>	<i>General Managers and Department Heads</i>	<i>General Employees</i>	<i>Supervisors</i>
Under 50	0	0	0	0	0	0
50-54	5	0	0	0	4	1
55-59	5	0	1	0	3	1
60-64	13	0	1	1	9	2
65-69	19	0	4	2	8	5
70-74	10	0	1	1	6	2
75-79	7	0	1	2	3	1
80-84	3	0	1	0	2	0
85-89	4	0	3	0	1	0
90 and older	2	1	1	0	0	0
Total	68	1	13	6	36	12

APPENDIX E: CALCULATION OF GASB 43/45 ACCOUNTING ENTRIES

This report is to be used to calculate accounting entries rather than to provide the dollar amount of accounting entries. How the report is to be used to calculate accounting entries depends on several factors. Among them are:

- 1) The amount of prior accounting entries;
- 2) Whether individual components of the ARC are calculated as a level dollar amount or as a level percentage of payroll;
- 3) Whether the employer using a level percentage of payroll method elects to use for this purpose projected payroll, budgeted payroll or actual payroll;
- 4) Whether the employer chooses to adjust the numbers in the report to reflect the difference between the valuation date and the first fiscal year for which the numbers will be used.

To the extent the level percentage of payroll method is used, the employer should adjust the numbers in this report as appropriate to reflect the change in OPEB covered payroll. It should be noted that OPEB covered payroll should only reflect types of pay generating pension credits for plan participants. Please note that plan participants do not necessarily include all active employees eligible for health benefits for several reasons. Following are examples.

- 1) The number of hours worked or other eligibility criteria may differ for OPEB compared to active health benefits;
- 2) There may be active employees over the maximum age OPEB are paid through. For example, if an OPEB plan pays benefits only to Medicare age, any active employees currently over Medicare age are not plan participants;
- 3) Employees hired at an age where they will exceed the maximum age for benefits when the service requirement is met are also not plan participants.

Finally, GASB 43 and 45 require reporting covered payroll in RSI schedules regardless of whether any ARC component is based on the level percentage of payroll method. This report does not provide, nor should the actuary be relied on to report covered payroll.

GASB 45 Paragraph 26 specifies that the items presented as RSI "should be calculated in accordance with the parameters." The RSI items refer to Paragraph 25.c which includes annual covered payroll. Footnote 3 provides that when the ARC is based on covered payroll, the payroll measure may be the projected payroll, budgeted payroll or actual payroll. Footnote 3 further provides that comparisons between the ARC and contributions should be based on the same measure of covered payroll.

At the time the valuation is being done, the actuary may not know which payroll method will be used for reporting purposes. The actuary may not even know for which period the valuation will be used to determine the ARC. Furthermore, the actuary doesn't know if the client will make adjustments to the ARC in order to use it for the first year of the biennial or triennial period. (GASB 45 is silent on this.) Even if the actuary were to know all of these things, it would be a rare situation that would result in me knowing the appropriate covered payroll

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number to report. For example, if the employer uses actual payroll, that number would not be known at the time the valuation is done.

As a result, we believe the proper approach is to report the ARC components as a dollar amount. It is the client's responsibility to turn this number into a percentage of payroll factor by using the dollar amount of the ARC (adjusted, if desired) as a numerator and then calculating the appropriate amount of the denominator based on the payroll determination method elected by the client for the appropriate fiscal year.

If we have been provided with payroll information, we are happy to use that information to help the employer develop an estimate of covered payroll for reporting purposes. However, the validity of the covered payroll remains the employer's responsibility even if TCS assists the employer in calculating it.

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APPENDIX F: GLOSSARY OF RETIREE HEALTH VALUATION TERMS

Note: The following definitions are intended to help a *non-actuary* understand concepts related to retiree health valuations. Therefore, the definitions may not be actuarially accurate.

<u>Actuarial Accrued Liability:</u>	The amount of the actuarial present value of total projected benefits attributable to employees' past service based on the actuarial cost method used.
<u>Actuarial Cost Method:</u>	A mathematical model for allocating OPEB costs by year of service.
<u>Actuarial Present Value of Total Projected Benefits:</u>	The projected amount of all OPEB benefits to be paid to current and future retirees discounted back to the valuation date.
<u>Actuarial Value of Assets:</u>	Market-related value of assets which may include an unbiased formula for smoothing cyclical fluctuations in asset values.
<u>Annual OPEB Cost:</u>	This is the amount employers must recognize as an expense each year. The annual OPEB expense is equal to the Annual Required Contribution plus interest on the Net OPEB obligation minus an adjustment to reflect the amortization of the net OPEB obligation.
<u>Annual Required Contribution:</u>	The sum of the normal cost and an amount to amortize the unfunded actuarial accrued liability. This is the basis of the annual OPEB cost and net OPEB obligation.
<u>Closed Amortization Period:</u>	An amortization approach where the original ending date for the amortization period remains the same. This would be similar to a conventional, 30-year mortgage, for example.
<u>Discount Rate:</u>	Assumed investment return net of all investment expenses. Generally, a higher assumed interest rate leads to lower normal costs and actuarial accrued liability.
<u>Implicit Rate Subsidy:</u>	The estimated amount by which retiree rates are understated in situations where, for rating purposes, retirees are combined with active employees.
<u>Mortality Rate:</u>	Assumed proportion of people who die each year. Mortality rates always vary by age and often by sex. A mortality table should always be selected that is based on a similar "population" to the one being studied.
<u>Net OPEB Obligation:</u>	The accumulated difference between the annual OPEB cost and amounts contributed to an irrevocable trust exclusively providing retiree OPEB benefits and protected from creditors.
<u>Normal Cost:</u>	The dollar value of the "earned" portion of retiree health benefits if retiree health benefits are to be fully accrued at retirement.

Total Compensation Systems, Inc.

<u>OPEB Benefits:</u>	Other PostEmployment Benefits. Generally medical, dental, prescription drug, life, long-term care or other postemployment benefits that are not pension benefits.
<u>Open Amortization Period:</u>	Under an open amortization period, the remaining unamortized balance is subject to a new amortization schedule each valuation. This would be similar, for example, to a homeowner refinancing a mortgage with a new 30-year conventional mortgage every two or three years.
<u>Participation Rate:</u>	The proportion of retirees who elect to receive retiree benefits. A lower participation rate results in lower normal cost and actuarial accrued liability. The participation rate often is related to retiree contributions.
<u>Retirement Rate:</u>	The proportion of active employees who retire each year. Retirement rates are usually based on age and/or length of service. (Retirement rates can be used in conjunction with vesting rates to reflect both age and length of service). The more likely employees are to retire early, the higher normal costs and actuarial accrued liability will be.
<u>Transition Obligation:</u>	The amount of the unfunded actuarial accrued liability at the time actuarial accrual begins in accordance with an applicable accounting standard.
<u>Trend Rate:</u>	The rate at which the cost of retiree benefits is expected to increase over time. The trend rate usually varies by type of benefit (e.g. medical, dental, vision, etc.) and may vary over time. A higher trend rate results in higher normal costs and actuarial accrued liability.
<u>Turnover Rate:</u>	The rate at which employees cease employment due to reasons other than death, disability or retirement. Turnover rates usually vary based on length of service and may vary by other factors. Higher turnover rates reduce normal costs and actuarial accrued liability.
<u>Unfunded Actuarial Accrued Liability:</u>	This is the excess of the actuarial accrued liability over assets irrevocably committed to provide retiree health benefits.
<u>Valuation Date:</u>	The date as of which the OPEB obligation is determined. Under GASB 43 and 45, the valuation date does not have to coincide with the statement date.
<u>Vesting Rate:</u>	The proportion of retiree benefits earned, based on length of service and, sometimes, age. (Vesting rates are often set in conjunction with retirement rates.) More rapid vesting increases normal costs and actuarial accrued liability.



LAS VIRGENES MUNICIPAL WATER DISTRICT
4232 Las Virgenes Road, Calabasas, CA 91302

MINUTES
REGULAR MEETING

5:00 PM

August 27, 2013

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was led by Board President, Charles Caspary.

1. CALL TO ORDER AND ROLL CALL

A Call to order and roll call

The meeting was called to order at 5:03 p.m. by Board President, Charles Caspary in the District offices. Deputy Secretary, Kimmey Conklin call the roll. Those answering present were Directors Charles Caspary, Glen Peterson, Lee Renger, and Barry Steinhardt. Directors absent: Leonard Polan.

2. APPROVAL OF AGENDA

A Approval of agenda

On a motion by Director Lee Renger, seconded by Director Barry Steinhardt, the Board of Directors voted 4-0 -1 to Approve the agenda for the Regular Meeting of August 27, 2013, as presented.

AYES: Director(s) Caspary , Peterson , Renger , Steinhardt

ABSENT: Director(s) Polan

Director Leonard Polan arrived at 5:05 p.m.

3. PUBLIC COMMENTS

No speaker cards were received from the public.

4. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Conrad N. Hilton Foundation: Proclamation in Recognition of Conservation Efforts

Board President Caspary presented Patrick Modugno (Vice President, Administration and

ITEM 5A

Chief Financial Officer) and Katherine Miller (Facilities and Office Services Manager) of the Conrad N. Hilton Foundation with a proclamation in recognition of their foundation's conservation efforts.³⁴

Mr. Modugno discussed the foundation's work and invited the Board of Directors and staff to tour their facilities.

B Ad Hoc Committee Report: Probability Analysis

Director Polan reported that he had attempted to contact Professor James Famiglietti, University of California Irvine regarding the probability analysis, has been unable to reach him, and knows this is important as we need to move forward with whether or not to build the tank. Director Renger stated there are going to be a lot of issues to quantify.

C Legislative and Regulatory Updates

General Manager, David Pedersen reported letters in support of increased water bond funding for recycled water projects had been issued on behalf of Las Virgenes Municipal Water District and Las Virgenes-Triunfo Joint Powers Authority; staff met with Regional Water Quality Control Board staff in regards to the Malibu Creek TMDL (their Executive Officer, Samuel Unger indicated he wanted to work with Las Virgenes' staff on the implementation, phased implementation if there is other data and that new findings only would be taken into consideration).

5. CONSENT CALENDAR

On a motion by Director Glen Peterson, seconded by Director Leonard Polan, the Board of Directors voted 5-0 to Approve Consent Calendar 5A-5B as presented in the recommendations.

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

A List of Demands: August 27, 2013. Approve

B Investment Report for the Month of July 2013. Approve

6. TREASURER

Board Treasurer Polan reported list of demands information was okay.

7. BOARD OF DIRECTORS

A Calabasas Road 10-inch Water Main Repair and Replacement: Continuation of Emergency Authorization

Approve continuation of the emergency authorization for the General Manager to replace approximately 1,500 feet of deteriorated 10-inch water main on Calabasas Road following informal bidding procedures in an amount not to exceed \$700,000.

General Manager Pedersen provided an update including: progress is going well, 900-feet of the 1500-feet have been slip-lined, services need to be re-established, work should be completed the first or second week of September, and the repairs are within budget.

8. FACILITIES AND OPERATIONS

A 5633 Trancas Canyon Road: Detachment Request

Approve in concept the detachment of 5633 Trancas Canyon Road from the Las Virgenes Municipal Water District's service area.

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General Manager Pedersen provided an overview of the request for detachment concept, owner is looking for a more reliable water supply, five parcels within District service area, reorganization requires detachment process with LAFCO, detachment is in concept only until after such time as parcel(s) are annexed and LAFCO has approved.

One speaker card was received from the public: (1) Don Schmitz (President of Schmitz and Associates who was representing the property owner, Tom Techentin) gave a presentation entitled "Detachment from LVMWD into the Trancas Utility Improvements Assessment District No. 2013-1", and stated his clients own two small houses; water to both properties is currently provided by a well; Los Angeles County Fire Department is adamant about fire flows, which are not currently being met; not practical for LVMWD to serve; eighty plus lots are within the assessment district; his clients are cutoff from LVMWD; owners want to meet fire flow and have a reliable source of water; property neighbors State Park land and they frown upon going through their property with water lines; map in agenda is not accurate, looks like a Thomas Guide; California Coastal Commission issues; District 29, LVMWD, LAFCO all three say the best way to get water is to detach; City of Malibu says District 29 must provide service through assessment district.

General Manager Pedersen stated the recommendation in the agenda includes only two parcels, but since the approval is in concept only he would ask that all five parcels be included as part of the recommendation.

On a motion by Director Barry Steinhardt, seconded by Director Leonard Polan, the Board of Directors voted 5-0 to Approve the recommendation as amended to approve in concept the detachment of five parcels on Trancas Canyon Road from Las Virgenes Municipal Water District's service area (Parcel No. 173: APN 4469-046-008; Parcel No. 174: APN 4471-027-047; Parcel No. 175: APN 4471-027-048; Parcel No. 176: APN 4471-027-032; Parcel No. 177: APN 4471-027-020).

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

B 5-Million-Gallon Tank: Approval of Plans, Specifications and Pre-Qualification Packages for General Contractor and Blasting Subcontractor

Approve the plans, specifications and pre-qualification packages for General Contractor and Blasting Subcontractor for the 5-Million-Gallon Storage Tank Project.

General Manager Pedersen provided an overview of plans, specifications and pre-qualifications for a general contractor and blasting subcontractor for the 5-million-gallon tank; and stated the revised engineering estimate was \$8.5-million.

On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 4-1 to Approve the recommendation as presented.

AYES: Director(s) Caspary , Peterson , Polan , Renger

NOES: Director(s) Steinhardt

C Maintenance Agreement Renewal for Sewer Metering Stations

Authorize the General Manager to issue a purchase order to ADS Environmental Services for maintenance and reporting services for sewer metering stations in the amount of \$32,311.00

On a motion by Director Lee Renger, seconded by Director Charles Caspary, the Board of Directors voted 5-0 to Approve the recommendation as presented.

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

D Twin Lakes Pump Station: Pump No. 1 Overhaul

Waive formal bidding requirements for the overhaul of Pump No. 1 at the Twin Lakes Pump

ITEM 5A

Station, authorize the General Manager to issue a purchase order in the amount of \$33,109.39³⁶ to California Centrifugal Pump, Inc., and appropriate additional funds in the amount of \$15,525 to complete the work.

The Board of Directors had multiple questions regarding pump size, age of pump, life-cycle, cost of replacement pump versus repair of existing pump; Facilities and Operations staff were not present at the board meeting to respond to the questions therefore Board President Caspary requested the item if non-urgent be tabled and brought back to a future board meeting (General Manager Pedersen stated the pump overhaul was not urgent and would be brought back for consideration once questions could be answered and costs obtained).

"Twin Lakes Pump Station: Pump No. 1 Overhaul" was tabled and no further action was taken by the Board of Directors.

9. FINANCE AND ADMINISTRATION

A Request for Leave to File Late Claim

Deny the request for leave to file a late claim submitted by Dorna McKee.

General Manager Pedersen provided an overview of the history of claims; claimant was notified 8-months ago of the need to present late claim, which was received after the deadline; incident occurred 3-years ago.

One speaker card was received from the public: (1) Dorna S. McKee who discussed the history of employee lawsuit; killing of dog; and trial date of August 14, 2014.

Board President Caspary requested "Request for Leave to File Late Claim" be heard in Closed Session.

The Board of Directors convened into Closed Session at 6:30 p.m. to consider "15. A: Conference with District Counsel - Existing Litigation (Government Code Section 54956.9(a)) 1. Dorna S. McKee v. Las Virgenes Municipal Water District".

The Board of Directors reconvened into Open Session at 6:56 p.m.

Legal Counsel Wayne Lemieux notified Ms. McKee that General Manager David Pedersen would be in contact with her in regards to Closed Session direction provided to him by the Board of Directors.

On a motion by Director Lee Renger, seconded by Director Glen Peterson, the Board of Directors voted 5-0 to Approve tabling of "9. A: Request for Leave to File Late Claim".

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

10. LEGAL SERVICES

A Reduction of Employer Paid Member Contributions for Manager, Supervisor, Professional and Confidential Employees Association

Pass, approve and adopt the proposed Resolution No. 08-13-2445, reducing the amount of Employer Paid Member Contributions (EPMC) for the Manager/Supervisor, Professional and Confidential (M/SPC) Employees Association to zero.

RESOLUTION NO. 08-13-2445: A RESOLUTION OF THE BOARD OF DIRECTORS OF

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LAS VIRGENES MUNICIPAL WATER DISTRICT AMENDING EMPLOYER PAID MEMBER CONTRIBUTIONS (EPMC) FOR EMPLOYEES OF THE MANAGER, SUPERVISOR, PROFESSIONAL AND CONFIDENTIAL EMPLOYEES ASSOCIATION

(Reference is hereby made to Resolution No. 08-13-2445 on file in the District's Resolution Book and by this reference the same is incorporated herein and made a part of hereof.)

On a motion by Director Leonard Polan, seconded by Director Charles Caspary, the Board of Directors voted 5-0 to Approve the recommendation as presented.

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

11. INFORMATION ITEMS

A 2014 ACWA/JPIA Medical Insurance Plan Premiums

12. NON-ACTION ITEMS

A Organization Reports

- (1) MWD
 - a. Representative Report/Agenda(s)
- (2) Other

(1) MWD Representative Peterson reported on general business of Metropolitan Water District including: Bay Delta and how will it affect rates; Agriculture Committee presentation by Mike Wade (California Farm Water Coalition); and Clayton Record IV passed away.

(2) None.

B Director's Reports on Outside Meetings

Director Steinhardt reported on his attendance at the August 8th, Southern California Water Workshop during which Congresswoman Grace Napolitano discussed outreach to elected officials in regards to water conservation; Eastern MWD (Municipal Water District) General Manager Paul Jones discussed recycling, water systems, desalination, brackish water; West Basin MWD General Manager Rich Nagel discussed recycling, use of ocean water, five different qualities of recycled water; San Diego County Water Authority Director of Water Resources Ken Weinberg discussed Metropolitan Water District usage at 50% or less by 2020, desalination; Los Angeles County Department of Public Works Assistant Director Mark Pestrella discussed groundwater; Orange County Water District General Manager Mike Markus discussed groundwater basins, aging water system, one-third of workforce to retire soon within the water industry.

Director Polan reported on his attendance at the August 22nd-23rd, CASA Conference during which there were discussions of being the utility of the future, will need branding and possible name change; wastewater industry is slow to develop; think outside of the box; don't settle for status quo; energy in waste-stream; turn cost center into revenue center; and Union Sanitary District requires Grade III certification within 2-years of employment; inquired as to whether Las Virgenes' Board has a policy in regards to encouraging ideas through bonuses (Board President Caspary responded "no"); State Water Resources Control Board, Board Chair Felicia Marcus discussed contacting her in regards to issues or problems related to regulations, encouraged rainwater capture; communications session presented by Las Virgenes' Public Affairs and Communications Manager Jeff Reinhardt during which social media and organizational (Boy Scouts/Girl Scouts, etc.) involvement was discussed; and stated everyone should go on the watershed tour.

Director Peterson also provided a report on his attendance at CASA during which re-branding³⁸ of reclamation to resource recovery plant was discussed; excellent presentation by Jeff Reinhardt; and agency of the future topics, which Las Virgenes has done for 30-years.

Director Caspary reported on his attendance at the Santa Monica Bay Restoration Commission meeting of August 15th during which there were discussions of the Draft Bay Restoration Plan Update, Resource Manager, Dr. Randal Orton is discussing plan issues with their staff, Governing Board is in the process of issuing a red-line version for review; approved grant request from California State Parks for Arroyo Sequit Steelhead and Stream Restoration Project; review of Fiscal Year 2014 Work Plan; next meeting is October 17th; and event at Annenberg House honoring H. David Nahai, Fran Pavley and Mel Levine.

C General Manager Reports

- (1) General Business
- (2) Follow-Up Items

(1) General Manager Pedersen provided an update on general business of the District including: the deadline for submittals related to the Call for Suggestions ends at 5:00 p.m. on Friday, September 6th, judging panel formed except for Board Member; board room is now equipped with public wi-fi, which can be used without a password and there is a firewall between district/public computers; State Water Project tour is November 1-3, 2013; newsclips will be posted on the District web page; garden classes in progress; AWA Reagan Library event on September 26th; District booth at September 21st Malibu Canyon Dirt Dash, presented by The Salvation Army; and elected officials and city managers were invited to attend a watershed tour on September 28th.

(2) No report was given.

D Director's Comments

Director Renger discussed his attendance at a recent Las Virgenes Homeowners Association meeting during which there was a discussion of rodenticides and secondary effects on wildlife eating rodents (General Manager Pedersen stated other options were being looked at).

Director Polan inquired about rodents on the dam (General Manager Pedersen stated this was very important as rodents can damage the dam face and that staff would comeback with rodenticide information); deadline today in regards to toxic pollutants (General Manager Pedersen provided an overview of organism testing for effluent, chronic toxicity testing is expensive, staff is monitoring as this may effect the next permit, and stated staff would provide a report at the October 7th, JPA Board Meeting); Calleguas Municipal Water District intertie (General Manager Pedersen stated staff would be meeting with Calleguas again in early September).

13. FUTURE AGENDA ITEMS

None.

14. PUBLIC COMMENTS

No speaker cards were received from the public.

Board President Caspary discussed having two public comment periods (items not on the agenda) and stated public comments on agenda items were also accepted.

The meeting convened into break at 7:34 p.m.

15. CLOSED SESSION

The meeting reconvened into Closed Session at 7:37 p.m.

A Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):

1. Dorna S. McKee v. Las Virgenes Municipal Water District
2. Las Virgenes Municipal Water District v. Millgee Investment Company, Inc.

B Conference with District Counsel - Potential Litigation (Government Code Section 54956.9): One Case

1. In the opinion of District Counsel, disclosure of the identity of the litigant would be prejudicial to the district.

C Conference with District Counsel – Existing Litigation:

1. Heal the Bay, Inc. v. Lisa P. Jackson

16. OPEN SESSION AND ADJOURNMENT

The meeting convened into Open Session at 7:39 p.m. No reportable actions were taken during Closed Session.

The Chair declared the meeting adjourned at 7:40 p.m.

CHARLES CASPARY, President
Board of Directors
Las Virgenes Municipal Water District

ATTEST:

BARRY STEINHARDT, Secretary
Board of Directors
Las Virgenes Municipal Water District

(SEAL)



LAS VIRGENES MUNICIPAL WATER DISTRICT
4232 Las Virgenes Road, Calabasas, CA 91302

MINUTES
REGULAR MEETING

5:00 PM

September 10, 2013

PLEDGE OF ALLEGIANCE

At the request of Board President Charles Caspary, the Pledge of Allegiance to the Flag was led by Director Leonard Polan.

1. CALL TO ORDER AND ROLL CALL

A Call to order and roll call

The meeting was called to order at 5:01 p.m. by Board President Caspary in the District offices. Deputy Secretary, Kimmey Conklin called the roll. Those answering present were Directors Charles Caspary, Glen Peterson, Leonard Polan, Lee Renger and Barry Steinhardt.

2. APPROVAL OF AGENDA

A Approval of agenda

On a motion by Director Lee Renger, seconded by Director Leonard Polan, the Board of Directors voted 5-0 to Approve the agenda for the Regular Board Meeting of September 10, 2013, as presented.

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

3. PUBLIC COMMENTS

No speaker cards were received from the public.

4. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

A Ad Hoc Committee Report: Probability Analysis

Ad Hoc Committee Member/Director Polan discussed the scope of work prepared by the committee, reported the committee agreed on all items except for one, which was in the event of "an extreme scenario", Director Polan for and Director Renger against. ITEM 5A

Board President Caspary stated he does not believe the scope of work is ready for a Request for Proposals as there are no deliverables such as cost, policy for acceptable risk, and deadlines.⁴²

Director Polan inquired as to whether the scope of work could be developed now (Caspary: the reason as Board President he formed an ad hoc committee was to determine cost, acceptable risk policy, scope of work, etc.); Director Renger stated he does not believe after reviewing the information that a probability analysis would be helpful.

General Manager, David Pedersen spoke to a University of California, Irvine post doctorate student, the student reviewed documents posted to the District's web page and reported there has been no follow-up since September 4th. Director Polan inquired as to whether this is deliverable within one month, was told the person is available now, but not during October, so it's now or November. Director Steinhardt stated he was concerned that General Manager Pedersen spoke to someone when he is in favor of the tank. Board President Caspary reiterated that he appointed a committee to develop a scope of work; Director Polan stated that he does not agree and that the committee developed a scope of work.

A summary of Board comments included: concerned in regards to the General Manager speaking to a potential analyst and giving the person information; another board member does not see how the General Manager speaking with a consultant would taint the process; Director Steinhardt said he was told in September 2012 that he could not contact a consultant; in September 2012 the point being made was questions are to be posed to the Board, not outside of the Board, we have professional staff who deal with consultants, the scope of work is a policy decision and is not on board with the scope of work, we have a policy that the District will have clean water and serve it to customers, not on board with serving dirty water to customers.

Board President Caspary stated the scope of work is not ready to go out for proposals, he is disbanding the committee, and stated the District will design things based on engineering standards, not on a probability analysis.

Director Steinhardt, Director Polan and Board President Caspary discussed the topics of experience; Las Virgenes losses due to not building or higher insurance rates to customers, if so opposed then issue a personal guarantee; if you are a businessman then you would not object to a probability analysis; committee is disbanded; the science of water management is moving forward, referenced the Netherlands where voters are taking on hydroinformatics and water supply; when you look at AWWA (American Water Works Association), ANSI (American National Standards Institute), and International Standards Association, hydroinformatics is not mentioned; it is too new of a technology.

Board President Caspary called for the next agenda item. Director Steinhardt inquired of Legal Counsel, Wayne Lemieux as to whether the discussion could continue or if the Board President had the authority to end the discussion. Legal Counsel Lemieux reported yes that as Board President, Director Caspary had formed the Ad Hoc Committee and had disbanded the committee, Director Steinhardt accepted legal counsel's ruling.

B Legislative and Regulatory Updates

General Manager Pedersen reported on legislative correspondence issued by the District including AB 803 (Gomez) Water Recycling Act of 2013 (support) and SB 731 (Steinberg) California Environmental Quality Act and Sustainable Communities Strategy (oppose).

Director Peterson reported on AB 145 (Perea) to move duties and responsibilities of the Drinking Water Program from the California Department of Public Health (CDPH) to the State

Water Resources Control Board (SWRCB), which is considered "gut and amend" and the Governor will be looking at the proposed bill in 2014.⁴³

5. CONSENT CALENDAR

A Minutes: Regular Meeting of August 13, 2013. Approve

B List of Demands: September 10, 2013. Approve

C Directors' Per Diem: August 2013. Ratify

On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 5-0 to Approve Consent Calendar 5A-5C as presented in the recommendations.

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

6. TREASURER

No report was given.

Board Treasurer Polan inquired as to whether or not the \$31,000 check to CS Engineering had been cashed yet or not (Legal Counsel Lemieux's office is currently working on the settlement agreement).

7. BOARD OF DIRECTORS

A ACWA Committee Appointment Nominations for 2014-2015 Term

Accept and consider ACWA committee appointment nominations, select candidates for ACWA committee appointment consideration, and authorize the General Manager to sign and return the completed Committee Consideration Form to ACWA no later than September 30, 2013.

General Manager Pedersen discussed current board member and staff participation on ACWA Committees, inquired as to board member interest in serving for the 2014-2015 term, and reported on proposed staff considerations.

Interested board member considerations included: Director Peterson: State Legislative Committee; Director Polan: Water Management Committee; and Director Renger: Water Quality Committee.

On a motion by Director Charles Caspary, seconded by Director Lee Renger, the Board of Directors voted 5-0 to Approve the ACWA committee nominations as requested by board members and staff to include: Director, Glen Peterson: State Legislative Committee; Director, Leonard Polan: Water Management Committee; Director, Lee Renger: Water Quality Committee; Finance Manager, Joseph Lillio: Finance Committee; Director of Facilities and Operations, David Lippman: Energy Committee; Human Resources Manager, Sherri Paniagua: Personnel and Benefits Committee; and Public Affairs and Communications Manager, Jeff Reinhardt: Communications Committee; and authorize the General Manager to sign and return the completed Committee Consideration Form to ACWA no later than September 30, 2013.

AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

B ACWA Region 8 Board Election Ballot

Determine whether to vote for the Nominating Committee's Recommended Slate or individual Board Candidate nominations; if voting for individual candidates, select candidates for Chair, Vice Chair and Board Members (maximum of five); and authorize the General Manager to execute and return the completed ballot to ACWA no later than September 30, 2013.

On a motion by Director Glen Peterson, seconded by Director Charles Caspary, the⁴⁴ Board of Directors voted 5-0 to Approve voting for the Nominating Committee's Recommended Slate, and authorizing the General Manager to execute and return the completed ballot to ACWA no later than September 30, 2013.
 AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

C Calabastas Road 10-inch Water Main Repair and Replacement: Continuation of Emergency Authorization

Approve continuation of the emergency authorization for the General Manager to replace approximately 1,500 feet of deteriorated 10-inch water main on Calabastas Road following informal bidding procedures in an amount not to exceed \$700,000.

Director of Facilities and Operations Lippman provided an update including: on September 9th, two-thirds of the water main repair and replacement was sterilized and pressure tested; within 2-3 weeks the other one-third of the water main repair and replacement should be complete; and paving will be done once the entire repair and replacement project has been completed.

On a motion by Director Leonard Polan, seconded by Director Glen Peterson, the Board of Directors voted 5-0 to Approve the recommendation as presented.
 AYES: Director(s) Caspary , Peterson , Polan , Renger , Steinhardt

8. NON-ACTION ITEMS

A Organization Reports (1) MWD a. Representative Report/Agenda(s); (2) Other

(1) MWD Representative Peterson reported on general business of Metropolitan Water District including: MWD Director, Michael T. Hogan who represents San Diego County Water Authority was sworn in; September 10th was the last board meeting for Edward C. Little who represented West Basin Municipal Water District; PCCP (prestressed concrete cylinder pipe) replacement program throughout MWD was approved; adoption of CEQA determination for Foundational Actions Funding Program; authorization to implement New Conservation Program Incentives (\$0.50 to \$1.00 for turf replacement); and long-term lease of MWD headquarters building.

Director Polan commented on an article in The Acorn regarding Triunfo Sanitation District's alternative landscaping program, which includes drought tolerant plants in-lieu of turf (Director of Resource Conservation and Public Outreach, Carlos Reyes stated yes, customers can do this or mulch in-lieu of rock; General Manager Pedersen stated the district is looking at MWD in context of water conservation incentives); Director Peterson asked about Camp David Gonzales (General Manager Pedersen stated no, but that staff will contact them).

(2) Director Steinhardt reported on his attendance at an ACWA Region 8 meeting; John Kemmerer and Cindy Lin took a tour of the watershed, saw the salts and believes the tour will result in a better working relationship with EPA.

Director Peterson stated Ruskin Hartley was appointed as Heal the Bay's new Chief Executive Officer, and that Las Virgenes should meet with him as soon as possible.

B Director's Reports on Outside Meetings

No reports were given.

C General Manager Reports (1) General Business; (2) Follow-Up Items

(1) General Manager Pedersen provided an update on general business of the District ^{ITEM 5A}

including: Las Virgenes Unified School District (LVUSD) had submitted a \$107,000 invoice⁴⁵ for sponsorship of their 4/5 Science Program and that staff intended on having the Board approve the payment and present the check to LVUSD at the September 24th board meeting; inquired as to whether or not the Las Virgenes Board would like the LVMWD agendas to have page numbering similar to the process requested at the September 3rd JPA Board Meeting (the Board responded "yes"); September 26th is AWA's event at Reagan Library; and there will be a watershed tour for elected officials and city managers on September 28th.

(2) General Manager Pedersen stated there was nothing to report in regards to follow-up items.

D Director's Comments

Director Polan stated he is concerned about water bottle plastics and would like to try and educate school-aged children in regards to abuse of the environment and believes this is a Board policy (Board President Caspary stated we can ask the school district, but not force them; Director Peterson stated this should be a future agenda item). Director Polan stated he would discuss with Board President Caspary and General Manager Pedersen.

Director Renger stated he saw activity on the bench at the solar site (General Manager Pedersen stated yes, the contractor is setting up and a ground-breaking ceremony will be planned).

Director Polan inquired about the status of the pump overhaul agenda item tabled at the last board meeting (General Manager Pedersen reported the item would be presented to the Board for consideration on September 24th).

9. FUTURE AGENDA ITEMS

None.

10. PUBLIC COMMENTS

No speaker cards were received from the public.

The meeting convened into break at 5:55 p.m.

11. CLOSED SESSION

The meeting reconvened into Closed Session at 6:00 p.m.

A Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):

1. Dorna S. McKee v. Las Virgenes Municipal Water District
2. Las Virgenes Municipal Water District v. Millgee Investment Company, Inc.

B Conference with District Counsel - Potential Litigation (Government Code Section 54956.9): One Case

1. In the opinion of District Counsel, disclosure of the identity of the litigant would be prejudicial to the district.

C Conference with District Counsel – Existing Litigation:

1. Heal the Bay, Inc. v. Lisa P. Jackson

ITEM 5A

12. OPEN SESSION AND ADJOURNMENT

The meeting convened into Open Session at 6:05 p.m. No reportable actions were taken during Closed Session.

The Chair declared the meeting adjourned at 6:07 p.m. in memory of those affected by 9/11.

CHARLES CASPARY, President
Board of Directors
Las Virgenes Municipal Water District

ATTEST:

BARRY STEINHARDT, Secretary
Board of Directors
Las Virgenes Municipal Water District

(SEAL)

LAS VIRGENES MUNICIPAL WATER DISTRICT

To: LEONARD POLAN, TREASURER

Payments for Board Meeting of : September 24, 2013

Upon certification by the Treasurer the checks and wire transfers were correct and supporting documents available, it is recommended the following demands on the various funds be approved and payments authorized.

Wells Fargo Bank A/C No. 4806-994448

Checks Nos. 63646 through 63765 were issued in the total amount of

\$ 1,318,350.85

Payments through wire transfers as follows:

Total payments \$ 1,318,350.85

(Reference is hereby made to these demands on file in the District's Check Register and by this reference the same is incorporated herein and made a part hereof.)

**CHECK LISTING FOR BOARD MEETING
09/24/13**

Company Name	Company No.	Check No.	Check No.	Check No.
		63646 thru 63685 09/10/13	63686 thru 63728 09/17/13	63729 thru 63765 09/24/13
		Amount	Amount	Amount
Potable Water Operations	101	144,796.20	10,158.01	117,608.22
Recycled Water Operations	102	562.44		
Sanitation Operations	130	13,037.03	201.65	49,112.00
Potable Water Replacement	301	23,458.80	4,294.33	196,548.71
Internal Service	701	129,010.45	59,936.52	20,922.82
Joint Venture Operations	751	307,150.13	145,474.88	63,774.86
Joint Venture Construction	752	17,359.90		17,359.90
Joint Venture Replacement	754		3,813.75	11,130.15
Total Printed		635,374.95	223,879.14	459,096.76

Voided Checks/ payment stopped:

None			
Total Voids	0.00	0.00	0.00

Net Total	635,374.95	223,879.14	459,096.76
			1,318,350.85

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
63646	09/10/13	16051	ACCURATE TELECOM INC.	DEPOSIT 50% MITEL VOICE MAIL	PV	127573	001	00701	7,873.56	Q2741
				Payment Amount					7,873.56	
63647	09/10/13	2317	ACORN NEWSPAPER	ADS:MUREAU RD:STORAGE TNKS	PV	127555	001	00101	714.42	870105/AUG13
				Payment Amount					714.42	
63648	09/10/13	8680	ADS, LLC	8/13 ADS FLW MNRNG@HQ & SANI	PV	127574	001	00701	673.14	12780.22-0813
				Payment Amount					714.42	
63649	09/10/13	17077	AECOM USA, INC.	7/15-8/9/13-5 MG PRE-QUAL PKG	PV	127540	001	00701	10,445.30	37369636
				Payment Amount					2,692.58	
63650	09/10/13	18686	ANALYTICAL TECHNOLOGY, INC.	TURBIDITY METER W/WHITE LIGHT	PV	127541	001	00701	15,317.77	104107
				Payment Amount					10,445.30	
63651	09/10/13	18955	ARGO CHEMICAL INC.	FREIGHT	PV	127541	003	00701	127.61	104107
				Payment Amount					15,445.38	
63652	09/10/13	2869	AT&T	AMMONIUM HYDROXIDE	PV	127542	001	00701	739.83	1308146
				Payment Amount					739.83	
				SRV 8/23-9/22/13	PV	127515	001	00101	48.96	5388/082313
				SRV 8/23-9/22/13	PV	127516	001	00101	48.96	7426/082313
				SRV 8/23-9/22/13	PV	127517	001	00101	115.62	0210/082313
				SRV 8/25-9/24/13	PV	127518	001	00101	47.84	0192/082513
				SRV 8/23-9/22/13	PV	127519	001	00101	50.71	2430/082313
				G.PETERSON 8/23-9/22/13	PV	127520	001	00701	52.91	1984/082313
				SRV 8/22-9/21/13	PV	127521	001	00701	246.12	0119/082213

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
63653	09/10/13	9631	AT&T LONG DISTANCE	SRV	PV	127534	001	00701	170.49	806368136/080 413
				SRV	PV	127534	002	00701	.73	806368136/080 413
				SRV	PV	127534	003	00701	.15	806368136/080 413
				SRV	PV	127534	004	00701	16.02	806368136/080 413
				SRV	PV	127534	005	00701	15.19	806368136/080 413
				SRV	PV	127534	006	00701	16.58	806368136/080 413
				SRV	PV	127534	007	00701	.01	806368136/080 413
63654	09/10/13	2601	DELL COMPUTER CORP	DELL R520 SERVER	PV	127575	001	00701	5,103.94	XJ6XTC4D5
			Alt Payee 7819 DELL MARKETING LP C/O DELL USA L.P. P.O. BOX 910916 PASADENA CA 91110-0916							
63655	09/10/13	17281	DOCTOR DIESEL	SRV ON THE FUEL TANKS	PV	127588	001	00701	882.20	13-621
				SRV ON THE FUEL TANKS	PV	127588	002	00701	441.10	13-621
				SRV ON THE FUEL TANKS	PV	127588	005	00701	661.70	13-621
63656	09/10/13	2658	FEDERAL EXPRESS CORP	(2)PACKAGES DEL 8/23 & 8/26/13	PV	127535	001	00701	54.41	2-386-10406
				Payment Amount					1,985.00	
63657	09/10/13	6770	G.I. INDUSTRIES	8/13DISPOSAL@TAPIA	PV	127536	001	00701	413.10	2520799-0283-6
				8/13 DISPOSAL@RLV	PV	127537	001	00701	428.90	2650845-0283-9
				8/13 DISPOSAL@SHOP	PV	127538	001	00701	317.87	2650844-0283-2

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Payment Number	Date	Address Number	Name	Payment Stub Message	Document		Key	Amount	Invoice Number
					Ty	Number			
				BLDG					
				8/13 DE	PV	127539	001 00701	908.83	2361934-0283-
				DISPOSAL@WLK					1
		Alt Payee	6771 G.I. INDUSTRIES P. O. BOX 541065 LOS ANGELES CA 90054-1065						
				Payment Amount					
63658	09/10/13	19017 HOTEL		REFD UNUSED	PV	127543	001 00701	59,379.00	P2195150
				PREPAID					
				DEPOSIT					
				INTEREST	PV	127544	001 00701	7,250.03	P2195150/INT
				Payment Amount					
				P/E	PV	127545	001 00701	17,359.90	5262688
				7/31/13-SRV					
				8" RW					
				PIPELINE					
				Payment Amount					
63660	09/10/13	2611 LA DWP		RECTIFIER	PV	127522	001 00101	40.97	08345/082113
				7/23--8/21/13					
				RECTIFIER	PV	127523	001 00101	36.42	06901/082213
				7/24--8/22/13					
				Payment Amount					
63661	09/10/13	3352 LAS VIRGENES MUNICIPAL WATER DISTRICT		EQUESTRIAN	PV	127525	001 00101	1,079.34	0896/082113
				6/13--8/12/13					
				Payment Amount					
				WLK RW	PV	127526	001 00101	321.45	0907/082013
				6/19--8/20/13					
				WLK PLNT	PV	127527	001 00101	490.04	0909/082013
				6/19--8/20/13					
				Payment Amount					
63662	09/10/13	3164 LEMIEUX & O'NEILL		RETAINER-AUG'	PV	127567	001 00701	6,000.00	140-999M/0813
				13					
				PROFESSIONAL	PV	127568	001 00701	550.00	140M/0813
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	002 00701	420.00	140M/0813
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	003 00701	6,045.00	140M/0813
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	004 00701	1,335.86	140M/0813

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document		Key	Amount	Invoice Number
					Ty	Number			
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	005 00701	17.45	140M/0813
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	006 00701	75.00	140M/0813
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	007 00701	154.00	140M/0813
				SRVS-AUG'13					
				PROFESSIONAL	PV	127568	008 00701	13,719.21	140M/0813
				SRVS-AUG'13					
				Payment Amount			28,316.52		
63663	09/10/13	3483	DAVID LIPPMAN	REIMB CELL	PV	127528	001 00701	69.22	7898/080713
				PHONE B/P					
				7/4-8/3					
				Payment Amount			69.22		
63664	09/10/13	3514	LOS ANGELES COUNTY, REGISTRAR-REC ORDER	RECORD	PV	127529	001 00301	36.00	4456-033-056 & 058
				STANDBY					
				DEFERAL					
				Payment Amount			36.00		
63665	09/10/13	2800	LOS ANGELES TIMES	9/3/13-9/11/14	PV	127569	001 00701	252.92	010004993857/ 13-14
				5DAY/WK					
				SUBSCTPN					
				Payment Amount			252.92		
63666	09/10/13	18872	MAC CHEVRON	REG.GAS CHRGS	PV	127587	001 00701	6,608.96	3000015
				8/16-8/30/13					
				Payment Amount			6,608.96		
63667	09/10/13	18879	MALIBU CANYON SHELL	DIESEL GAS	PV	127586	001 00701	1,001.64	1000014
				CHRG					
				8/16-8/30/13					
				Payment Amount			1,001.64		
63668	09/10/13	2839	MOTION INDUSTRIES, INC.	HI POWER	PV	127548	001 00701	40.19	CA22-567990
				V-BELTS					
				Payment Amount			40.19		
				PNEUMATIC					
				VALVES (4)	PV	127551	001 00701	486.97	CA22-568242
				Payment Amount			527.16		
				MOTION INDUSTRIES INC.					
				FILE 749376					
				LOS ANGELES CA 90074					
63669	09/10/13	2842	NAPAAUTO	MISC AUTO	PV	127577	001 00701	49.58	662268

ITEM 5B

Batch Number - 225874
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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key itm	Key Co	Amount	Invoice Number
			PARTS	PARTS FOR						
			VEH#859							
			SAE5W30 OIL		PV	127578	001	00701	157.74	662479
			FOR SHOP							
			STOCK							
			Payment Amount						207.32	
63670	09/10/13	2874	PACIFIC	DIFFUSERS	PV	127583	001	00701	13,318.71	105066
			PROCESS							
			EQUIPMENT							
				FREIGHT	PV	127583	002	00701	1,676.53	105066
			Payment Amount						14,995.24	
63671	09/10/13	16507	PARADISE	SAFETY SIDE	PV	127582	001	00701	1,021.25	PQ3715CVR
			CHEVROLET	STEPS						
			VEH#890;891							
			Payment Amount						1,021.25	
63672	09/10/13	7745	PETTY CASH -	REPL PETTY	PV	127514	001	00101	18.00	082113
			CAROL PALMA	CASH						
				6/18--08/21/13	PV	127514	002	00101	25.00	082113
				REPL PETTY						
				6/18--08/21/13	PV	127514	003	00101	5.44	082113
				REPL PETTY						
				CASH						
				6/18--08/21/13	PV	127514	004	00101	7.50	082113
				REPL PETTY						
				CASH						
				6/18--08/21/13	PV	127514	005	00101	50.00	082113
				REPL PETTY						
				CASH						
				6/18--08/21/13	PV	127514	006	00101	4.82	082113
				REPL PETTY						
				CASH						
				6/18--08/21/13	PV	127514	007	00101	3.66	082113
				REPL PETTY						
				CASH						
				6/18--08/21/13	PV	127514	008	00101	25.43	082113
				REPL PETTY						
				CASH						
				6/18--08/21/13	PV	127514	009	00101	39.23	082113
				REPL PETTY						
				CASH						

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Payment Number	Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key itm Co	Amount	Invoice Number
				6/18-08/21/13					
				REPL PETTY	PV	127514	010 00101	6.41	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	011 00101	31.00	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	012 00101	17.00	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	013 00101	6.18	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	014 00101	30.00	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	015 00101	90.00	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	016 00101	24.50	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	017 00101	26.39	082113
				CASH					
				6/18-08/21/13					
				REPL PETTY	PV	127514	018 00101	7.62	082113
				CASH					
				6/18-08/21/13					
				Payment Amount				418.18	
63673	09/10/13	8484	PRAXAIR DISTRIBUTION, INC	8/13 AIR CYLINDER RNTL	PV	127566	001 00701	102.25	46971314
Alt Payee 8898 PRAXAIR DISTRIBUTION INC. DEPT. LA 21511 PASADENA CA 91185-1511									
				Payment Amount				102.25	
63674	09/10/13	10643	JEFF REINHARDT	REIMB-CASA CNF	PV	127570	001 00701	1,062.52	082413
				8/21-8/24/13					
				Payment Amount				1,062.52	

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
63675	09/10/13	2957	SOUTHERN CALIFORNIA EDISON	ENERGY-AUGUST '13	PV	127584	001	00101	3,705.04	2869/083013
				ENERGY-AUGUST '13	PV	127584	002	00101	25.73	2869/083013
				ENERGY-AUGUST '13	PV	127584	003	00101	757.64	2869/083013
				ENERGY-AUGUST '13	PV	127584	004	00101	26.75	2869/083013
				ENERGY-AUGUST '13	PV	127584	005	00101	82.11	2869/083013
				ENERGY-AUGUST '13	PV	127584	006	00101	22.49	2869/083013
				ENERGY-AUGUST '13	PV	127584	007	00101	113.55	2869/083013
				ENERGY-AUGUST '13	PV	127584	008	00101	75.70	2869/083013
				ENERGY-AUGUST '13	PV	127584	009	00101	24.24	2869/083013
				ENERGY-AUGUST '13	PV	127584	010	00101	27.58	2869/083013
				ENERGY-AUGUST '13	PV	127584	011	00101	27.06	2869/083013
				ENERGY-AUGUST '13	PV	127584	012	00101	5,035.75	2869/083013
				ENERGY-AUGUST '13	PV	127584	013	00101	5,912.33	2869/083013
				ENERGY-AUGUST '13	PV	127584	014	00101	74.26	2869/083013
				ENERGY-AUGUST '13	PV	127584	015	00101	3,886.25	2869/083013
				ENERGY-AUGUST '13	PV	127584	016	00101	3,529.76	2869/083013
				ENERGY-AUGUST '13	PV	127584	017	00101	8,918.31	2869/083013
				ENERGY-AUGUST '13	PV	127584	018	00101	25.08	2869/083013
				ENERGY-AUGUST '13	PV	127584	019	00101	288.04	2869/083013
				ENERGY-AUGUST '13	PV	127584	020	00101	3,732.65	2869/083013

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Payment Number	Date	Address Number	Name	Payment Stub Message	Docu- ment Ty	Docu- ment Number	Key Item	Key Co	Amount	Invoice Number
				ENERGY-AUGUST	PV	127584	021	00101	84,408.58	2869/083013
				ENERGY-AUGUST	PV	127584	022	00101	56,272.39	2869/083013
				ENERGY-AUGUST	PV	127584	023	00101	28.57	2869/083013
				ENERGY-AUGUST	PV	127584	024	00101	1,149.22	2869/083013
				ENERGY-AUGUST	PV	127584	025	00101	1,045.06	2869/083013
				ENERGY-AUGUST	PV	127584	026	00101	7,684.93	2869/083013
				ENERGY-AUGUST	PV	127584	027	00101	405.55	2869/083013
				ENERGY-AUGUST	PV	127584	028	00101	447.56	2869/083013
				ENERGY-AUGUST	PV	127584	029	00101	829.83	2869/083013
				ENERGY-AUGUST	PV	127584	030	00101	5,057.63	2869/083013
				ENERGY-AUGUST	PV	127584	031	00101	28.74	2869/083013
				ENERGY-AUGUST	PV	127584	032	00101	1,515.86	2869/083013
				ENERGY-AUGUST	PV	127584	033	00101	31.24	2869/083013
				ENERGY-AUGUST	PV	127584	034	00101	745.75	2869/083013
				ENERGY-AUGUST	PV	127584	035	00101	26.90	2869/083013
				ENERGY-AUGUST	PV	127584	036	00101	8,716.21	2869/083013
				ENERGY-AUGUST	PV	127584	037	00101	9,901.84	2869/083013
				ENERGY-AUGUST	PV	127584	038	00101	5,870.85	2869/083013
				ENERGY-AUGUST	PV	127584	039	00101	2,761.08	2869/083013
				ENERGY-AUGUST	PV	127584	040	00101	6,731.84	2869/083013
				ENERGY-AUGUST	PV	127584	041	00101	15,552.48	2869/083013

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document . . .	Key	Amount	Invoice Number
Number	Date	Number				Number	Item Co		
'13				ENERGY-AUGUST	PV	127584	042 00101	10,390.22	2869/083013
'13				ENERGY-AUGUST	PV	127584	043 00101	5,828.44	2869/083013
'13				ENERGY-AUGUST	PV	127584	044 00101	3,087.38	2869/083013
'13				ENERGY-AUGUST	PV	127584	045 00101	155.20	2869/083013
'13				ENERGY-AUGUST	PV	127584	046 00101	476.84	2869/083013
'13				ENERGY-AUGUST	PV	127584	047 00101	129.04	2869/083013
'13				ENERGY-AUGUST	PV	127584	048 00101	56.57	2869/083013
'13				ENERGY-AUGUST	PV	127584	049 00101	1,502.23	2869/083013
'13				ENERGY-AUGUST	PV	127584	050 00101	4,563.09	2869/083013
'13				ENERGY-AUGUST	PV	127584	051 00101	5,375.56	2869/083013
'13				ENERGY-AUGUST	PV	127584	052 00101	24.24	2869/083013
'13				ENERGY-AUGUST	PV	127584	053 00101	30.91	2869/083013
'13				ENERGY-AUGUST	PV	127584	054 00101	29.07	2869/083013
'13				ENERGY-AUGUST	PV	127584	055 00101	26.89	2869/083013
'13				ENERGY-AUGUST	PV	127584	056 00101	773.46	2869/083013
'13				ENERGY-AUGUST	PV	127584	057 00101	13.29	2869/083013
'13				ENERGY-AUGUST	PV	127584	058 00101	13.28	2869/083013
'13				ENERGY-AUGUST	PV	127584	059 00101	549.16	2869/083013
'13				ENERGY-AUGUST	PV	127584	060 00101	38.23	2869/083013
'13				ENERGY-AUGUST	PV	127584	061 00101	49,172.79	2869/083013

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key Ltrn Co	Amount	Invoice Number
				ENERGY-AUGUST	PV	127584	062 00101	49,172.78	2869/083013
				'13					
				ENERGY-AUGUST	PV	127584	063 00101	645.39	2869/083013
				'13					
				ENERGY-AUGUST	PV	127584	064 00101	2,158.75	2869/083013
				'13					
				ENERGY-AUGUST	PV	127584	065 00101	3,614.31	2869/083013
				'13					
				ENERGY-AUGUST	PV	127584	066 00101	1,907.15	2869/083013
				'13					
				Payment Amount			385,138.70		
63676	09/10/13	19013	STAR STEEL INC.	FABRICATE/INS T SECURITY FENCE	PV	127531	001 00701	5,500.00	12261
				FABRICATE/INS T SECURITY FENCE	PV	127532	001 00701	500.00	12263
				Payment Amount			6,000.00		
63677	09/10/13	14479	STEPHEN'S VIDEO PRODUCTIONS	8/13--8/27 BD MTG	PV	127530	001 00701	1,090.00	8-29-13
				Payment Amount			1,090.00		
63678	09/10/13	15196	TOTAL COMPENSATION SYSTEMS, INC.	GASB45 (OPEB)VALUATI ON SRVS	PV	127533	001 00701	4,300.00	3870
				Payment Amount			4,300.00		
63679	09/10/13	19028	TURF CONSTRUCTION COMPANY INC.	6" RECLAIMED WATER METER SRV	PV	127579	001 00701	10,560.00	12017
				Payment Amount			10,560.00		
63680	09/10/13	3003	U.S. POSTAL SERVICE	PRE-PAID POSTAGE TMS#239643	PV	127585	001 00701	5,000.00	239643/091013
				Payment Amount			5,000.00		
63681	09/10/13	16122	VOLVO CONSTRUCTION EQUIPMENT	DOOR LOCK/CROSS RECESSED#710	PV	127589	001 00701	103.60	P504032525
				MISC PARTS REPR	PV	127590	001 00701	466.87	P504032563
				Payment Amount			572.47		

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Lim	Key Co	Amount	Invoice Number
63682	09/10/13	3034	VORTEX INDUSTRIES	8/7/13 PRV MAINT 81	PV	127576	001	00701	2,099.95	01-762735-1
				SWING DOOR						
				Payment Amount				2,099.95		
63683	09/10/13	3025	WATER & SANITATION SRV/VENTURA COUNTY	PURCH WTR 7/16/13-8/20/13	PV	127524	001	00101	28,501.02	757094
				Payment Amount				28,501.02		
63684	09/10/13	3047	WESCO DISTRIBUTION, INC.	MISC TAPIA MAINT	PV	127546	001	00701	1,426.66	212797
				SUPPLIES						
				MISC TAPIA MAINT					199.80	207349
				Payment Amount				384.11		
				SUPPLIES						
				PARTS FOR WLK MAINT SUPPL						
				Payment Amount				2,010.57		
				IRRIGATION						
				SYST REPR					560.00	090413
				8/27--9/4						
				IRRIGATION					1,012.50	090413
				SYST REPR						
				8/27--9/4						
				Payment Amount				1,572.50		
				Total Amount of Payments Written				635,374.95		
				Total Number of Payments Written				40		

Batch Number - 226081

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	TY	Document Number	Key Item	Key Co	Amount	Invoice Number
63686	09/17/13	18132	AGROMIN PREMIUM SOIL PRODUCTS	100YD COMPOST AMENDMENT	PV	127557	001	00701	1,200.00	0224704-IN
				105YD COMPOST AMENDMENT	PV	127558	001	00701	1,260.00	0224461-IN
				107YD COMPOST AMENDMENT	PV	127559	001	00701	1,284.00	0224502-IN
				112YD COMPOST AMENDMENT	PV	127560	001	00701	1,344.00	0224503-IN
				100YD COMPOST AMENDMENT	PV	127561	001	00701	1,200.00	0224705-IN
				100YD COMPOST AMENDMENT	PV	127562	001	00701	1,200.00	0224769-IN
				116YD COMPOST AMENDMENT	PV	127563	001	00701	1,392.00	0224770-IN
				116YD COMPOST AMENDMENT	PV	127564	001	00701	1,392.00	0224796-IN
				100YD COMPOST AMENDMENT	PV	127565	001	00701	1,200.00	0224750-IN
				108YD COMPOST AMENDMENT	PV	127638	001	00701	1,296.00	0224626-IN
63687	09/17/13	3077	AIRGAS USA, LLC	Payment Amount SUNSCREEN TWLT SPF30	PV	127684	001	00701	144.43	9019073105
			Alt Payee 6658 AIRGAS USA, LLC P. O. BOX 7423 PASADENA CA 91109-7423							
63688	09/17/13	17389	ANIMAL & INSECT PEST MANAGEMENT, INC	Payment Amount SEAGULL SHOCK TRACK REPR	PV	127691	001	00701	365.00	68715
63689	09/17/13	8807	APWA VENTURA COUNTY CHAPTER	Payment Amount APWA REGIST COURSE 9/18-10/23	PV	127705	001	00701	780.00	091013
63690	09/17/13	18739	CALIFORNIA HAZARDOUS SERVICES,	Payment Amount 9/13 DOP SITE VISIT	PV	127673	001	00701	105.00	54167

Batch Number - 226081
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document		Key	Amount	Invoice Number
					Ty	Number			
63691	09/17/13	2513	CAPCO ANALYTICAL SERVICES	Payment Amount	PV	127643	001 00701	105.00	132470
				8/13 DIGESTER GAS TEST				366.25	
63692	09/17/13	15396	CORDELL ELECTRIC	Payment Amount	PV	127700	001 00701	366.25	48040
				R&R LIGHTING FOR BLDG 8				682.00	
				R&R LIGHTING FOR TAPIA MAINT	PV	127701	001 00751	656.00	48041
63693	09/17/13	2605	DELTA PACIFIC INDUSTRIES	Payment Amount	PV	127692	001 00701	1,338.00	3473
				WINDSHIELD WASHER FLUID				499.22	
63694	09/17/13	11330	DIAL SECURITY	Payment Amount	PV	127686	001 00701	499.22	203259
				9/13 SECURITY SRV@TAPIA				45.00	
				9/13 SECURITY SRV@RLV FARM	PV	127688	001 00701	35.00	203261
				9/13 SECURITY SRV@WLK	PV	127689	001 00701	70.00	203262
				9/13 SECURITY SRV@RLV	PV	127694	001 00701	80.00	203260
				9/13 SECURITY SRV@HQ/LOBBY	PV	127696	001 00701	278.00	203258
				9/13 SECURITY SRV@WLK P/S	PV	127697	001 00701	35.00	203263
63695	09/17/13	17918	EARTHLINK BUSINESS CO.	Payment Amount	PV	127706	001 00701	543.00	1318062509011
				9/1--9/30/13 MPLS LINES & DATA				2,854.34	30
63696	09/17/13	18111	ELECSYS INTERNATIONAL CORPORATION	Payment Amount	PV	127674	001 00701	2,854.34	117247
				10/13 RADIX HANDHELD MAINT				261.00	
63697	09/17/13	2654	FAMCON PIPE	Payment Amount	PV	127669	001 00701	261.00	152292
				BALL VALVE, 1" W/HANDLE				1,360.32	
				3"X6" SPOOL FLG X MIP GLASS	PV	127693	001 00701	201.65	152290

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Batch Number - 226081
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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Item	Co	Amount	Invoice Number
63698	09/17/13	18948	FLO-LINE NEVADA, INC.	Payment Amount	PV	127639	001	00701	1,561.97	667.32	13105
				IMPELLAR & SIDEPLATE SRV KIT							
				FREIGHT	PV	127639	003	00701		44.11	13105
				Payment Amount					711.43		
63699	09/17/13	6770	G.I. INDUSTRIES	DISPOSAL@HQ & SHOP	PV	127671	001	00701		637.72	2650968-0283-9
				DISPOSAL-10YD SRV@SHOP	PV	127672	001	00701		248.88	2650856-0283-2
				DISPOSAL@RLV FARM	PV	127676	001	00701		79.72	2650967-0283-1
				DISPOSAL@RLV	PV	127678	001	00701		79.72	2650966-0283-3
				DISPOSAL@RLV	PV	127679	001	00701		429.15	2520824-0283-2
				DISPOSAL@TAPI A							
				DISPOSAL@WMLK	PV	127680	001	00701		174.85	2362005-0283-9
				9/13-DISP TAPIA	PV	127682	001	00701		1,172.78	2520825-0283-9
				RAGS/GRIT							
				Alt Payee 6771 G.I. INDUSTRIES P. O. BOX 541065 LOS ANGELES CA 90054-1065							
				Payment Amount					2,822.82		
63700	09/17/13	3525	GILBERT METAL PRODUCTS	REPAIR (2) 48" VENTS	PV	127699	001	00101		490.00	5638
				Payment Amount					490.00		
63701	09/17/13	2701	GRAINGER, INC.	MISC STORAGE ITEMS	PV	127556	001	00701		510.91	9221649180
				Alt Payee 5453 GRAINGER, INC. DEPT 605178142 PALATINE IL 60038-0001							
				Payment Amount					510.91		
63702	09/17/13	2705	HACH COMPANY	DIFFERENTIAL INSERTION PH	PV	127640	001	00701		826.22	8452096

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Batch Number - 226081
Bank Account - 00146807 Cash-General

Payment Number Date	Address Number	Name	Payment Stub Message	Key Ty Number	Key Lim Co	Amount	Invoice Number
63703 09/17/13	Alt Payee 6442	HACH COMPANY 2207 COLLECTIONS CENTER DR CHICAGO IL 60693	PROB 500 ML BOTTLE STD CELL SOLUTN FREIGHT KTO SONATAX SC SYST SC200 FREIGHT AMONIA TEST & TUBE R FREIGHT	PV 127641	001 00701	116.13	8445556
						52.27	8445556
						4,544.21	8456303
						108.95	8456303
						2,588.48	8454442
						76.25	8454442
63704 09/17/13	Alt Payee 18994	ICTUS CONSULTING, LLC	Payment Amount 8/13 RECORDS MGMT	PV 127644	001 00701	3,120.00	LVMWD-130801
						11,510.40	540518
63705 09/17/13	19031	INTERSTATE PLASTICS	Payment Amount TIVAR 88 BLUE FREIGHT	PV 127633	001 00701	250.00	540518
						8,820.00	R0531050
63706 09/17/13	3083	INVESTWEST LLC	Payment Amount REFD 1 PW METER COST	PV 127761	001 00701	2,909.85	592936
						2,837.10	593146
63707 09/17/13	Alt Payee 18535	JCI JONES CHEMICALS, INC	Payment Amount SODIUM HYPOCHLORITE- 5000 GAL SODIUM HYPOCHLORITE- 4875 GAL	PV 127634	001 00701	6,082.06	9017350838
						5,746.95	

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Batch Number - 226081
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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Item	Co	Amount	Invoice Number
18536			KEMIRA WATER SOLUTIONS MAIL CODE 5581, P. O. BOX 105046 ATLANTA GA 30348-5046								
63708	09/17/13	2789	LIEBERT CASSIDY WHITMORE	SRV P/E 8/31/13 RE:GENERAL SRV P/E 8/31/13 RE: EE	PV	127735	001	00701		1,087.50	169928
				Payment Amount						6,082.06	
				UNIT	PV	127736	001	00701		4,266.30	169930
				8/31/13-MGMT	PV	127737	001	00701		330.00	169929
				NEGOTIATN 13							
				Payment Amount						5,683.80	
63709	09/17/13	18531	LINE-X OF SIMI VALLEY	VEHICLE MAINT#828 VEHICLE MAINT#828	PV	127637	001	00701		161.25	S-5185
				Payment Amount						875.00	S-5185
				6/3--6/28/13:L	PV	127702	001	00301		1,214.33	RE-PW-1308200
63710	09/17/13	2610	LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS	201202232 CLBS	PV	127732	001	00701		885.00	RE-PW-1308200
				5/31/13:L2013	PV	127734	001	00101		856.59	RE-PW-1308200
				02268-LOBO CYN							0410
				5/29/13:L2013	PV	127598	001	00701		3,813.75	63594
				02242 MULHOLAND							0369
				Payment Amount						2,955.92	
63711	09/17/13	19026	MNS ENGINEERS, INC.	P/E 7/31/13 PRIMARY TNK REHB	PV	127645	001	00701		1,620.00	4440
				Payment Amount						3,813.75	
63712	09/17/13	2365	MSO TECHNOLOGIES	7/13 WLFP ANALYZER 7/13 SCADA PHASE 1 DESIGN	PV	127646	001	00701		3,080.00	4442
				Payment Amount						4,700.00	
63713	09/17/13	2846	NATIONAL	PROVIDED PIT	PV	127710	001	00701		2,375.00	11187

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document		Key	Amount	Invoice Number
					Ty	Number			
63714	09/17/13	13586	PLANT SERVICES INC	CLEAN@RLV Payment Amount 5/23--8/22/13	PV	127592	001 00701	2,375.00	42040597
63715	09/17/13	2871	ORACLE AMERICA, INC. PACIFIC COAST BOLT	JDE MAINT Payment Amount GASKET-RING, 4" & 1/4 HEX BOLT	PV	127593	001 00701	16,174.24	369104-00
63716	09/17/13	9543	PINKY'S TIRE SERVICE	Payment Amount DSMUNT&MOUNT BACKHOE#863;8 62	PV	127621	001 00701	418.89	152486
63717	09/17/13	12954	POLYDYNE INC.	Payment Amount 8/24/13 CLARIFLOC-441 00 LBS	PV	127594	001 00701	1,694.70	825552
63718	09/17/13	6940	SECTRAN SECURITY, INC.	Payment Amount 9/13 COURIER SRV	PV	127707	001 00701	55,279.35	13090553
63719	09/17/13	2957	SOUTHERN CALIFORNIA EDISON	Payment Amount RLV PLNT 7/30--8/28/13	PV	127591	001 00751	289.38	5165-46/08311 3
63720	09/17/13	2958	SOUTHERN CALIFORNIA GAS CO	Payment Amount JBR P/S 8/2--9/3/13	PV	127698	001 00101	38,584.94	1200/090313
				HQ/OPS 8/6--9/5/13 RLV PLNT 8/6/13--9/5/13 CORNELL P/S 8/06/13--9/5/13 3	PV	127758	001 00701	15.78	3600/090513
				TAPIA PLNT 8/6/3--9/5/13 Payment Amount SALES/USE-2ND	PV	127759	001 00751	14.79	4200/090513
					PV	127760	001 00101	57.11	0400/090513
					PV	127762	001 00751	2,747.46	4000/090513
63721	09/17/13	2964	STATE BOARD	Payment Amount 3,444.81	PV	127709	001 00701	609.67	97817885/AUG1 2,288.00

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Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty Number	Key Lim Co	Amount	Invoice Number
			OF	PRPD OF 3RD				3
			EQUALIZATION	QT13				
			TOTAL	Payment Amount		2,288.00		
63722	09/17/13	18085	BARRICADE SERVICE, INC.	TRAFFIC CONTROL SIGN	PV 127719	001 00701	835.00	21082
			UNIFIRST CORPORATION	Payment Amount		835.00		
63723	09/17/13	18810		8/13 UNIFORM MATS/TWLS@TAP	PV 127599	001 00701	45.72	590319
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127599	002 00701	47.10	590319
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127601	001 00701	45.72	592943
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127601	002 00701	47.10	592943
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127602	001 00701	45.72	594338
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127602	002 00701	19.10	594338
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127603	001 00701	45.72	595726
				IA				
				8/13 UNIFORM MATS/TWLS@TAP	PV 127603	002 00701	47.10	595726
				IA				
				8/13 UNIFORM MATS/TWLS@WLK	PV 127604	001 00701	13.88	590318
				8/13 UNIFORM MATS/TWLS@WLK	PV 127604	002 00701	19.40	590318
				8/13 UNIFORM MATS/TWLS@WLK	PV 127605	001 00701	13.88	591584
				8/13 UNIFORM MATS/TWLS@WLK	PV 127605	002 00701	6.40	591584
				8/13 UNIFORM MATS/TWLS@WLK	PV 127606	001 00701	13.88	592942

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Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document		Key		Amount	Invoice Number
					Ty	Number	Item	Co		
				8/13 UNIFORM	PV	127606	002	00701	19.40	592942
				MATS/TWLS@WLK						
				8/13 UNIFORM	PV	127607	001	00701	13.88	594337
				MATS/TWLS@WLK						
				8/13 UNIFORM	PV	127607	002	00701	6.40	594337
				MATS/TWLS@WLK						
				8/13 UNIFORM	PV	127608	001	00701	13.88	595725
				MATS/TWLS@WLK						
				8/13 UNIFORM	PV	127608	002	00701	19.40	595725
				MATS/TWLS@WLK						
				8/13 UNIFORM	PV	127609	001	00701	205.38	590321
				MATS/TWLS@HQ						
				8/13 UNIFORM	PV	127610	001	00701	182.88	591587
				MATS/TWLS@HQ						
				8/13 UNIFORM	PV	127611	001	00701	205.38	592945
				MATS/TWLS@HQ						
				8/13 UNIFORM	PV	127612	001	00701	182.88	594340
				MATS/TWLS@HQ						
				8/13 UNIFORM	PV	127613	001	00701	233.05	595728
				MATS/TWLS@HQ						
				8/13 UNIFORM	PV	127614	001	00701	20.34	590320
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127614	002	00701	32.30	590320
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127615	001	00701	20.34	591586
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127615	002	00701	20.80	591586
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127616	001	00701	20.34	592944
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127616	002	00701	32.30	592944
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127618	001	00701	48.01	595727
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127618	002	00701	32.30	595727
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127619	001	00701	20.34	594339
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127619	002	00701	20.80	594339
				MATS/TWLS@RLV						
				8/13 UNIFORM	PV	127620	001	00701	45.72	591585

Batch Number - 226081
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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key	Key	Amount	Invoice Number
Number	Date	Number					Item	Co		
				MATS/TWLS@TAP						
				IA						
				8/13 UNIFORM	PV	127620	002	00701	19.10	591585
				MATS/TWLS@TAP						
				IA						
				Payment Amount					1,825.94	
63724	09/17/13	16623	VELOCITY TECHNOLOGY SOLUTIONS III, INC.	8/13 DISASTER RECOVERY	PV	127720	001	00701	3,128.18	297355
				Payment Amount					3,128.18	
63725	09/17/13	13326	VILLA ESPERANZA SERVICES	8/13 LANDSCAPE SRV	PV	127647	001	00701	1,114.75	LVMWD 2013-9
				8/13 LANDSCAPE SRV	PV	127647	002	00701	3,096.32	LVMWD 2013-9
				8/13 LANDSCAPE SRV	PV	127647	004	00701	571.93	LVMWD 2013-9
				Payment Amount					4,783.00	
63726	09/17/13	2729	VULCAN MATERIALS CO.	SE-30 FILL PAVING MAT'L	PV	127596	001	00701	409.36	70056614
			Alt Payee	6457 VULCAN MATERIALS COMPANY FILE 55572 LOS ANGELES CA 90074-5572						
				Payment Amount					409.36	
63727	09/17/13	3047	WESCO DISTRIBUTION, INC.	LANTERN, 6 VOLT, WBATTERY	PV	127597	001	00701	169.19	214897
				FREIGHT	PV	127597	002	00701	23.00	214897
				BULB LIGHT 9	PV	127668	001	00701	14.28	213765
				WATT DULUX S						
				TAPIA MAINT	PV	127708	001	00701	488.87	214419
				SUPPLIES (150)						
			Alt Payee	6443 WESCO DISTRIBUTION, INC PO BOX 31001-0465 PASADENA CA 91110-0465						
				Payment Amount					695.34	
				Total Amount of Payments Written					220,379.14	
				Total Number of Payments Written						42

Batch Number - 226084

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Payment . . . Number	Date	Address Number	Name	Payment Stub Message	Document . . . Ty Number	Key Item Co	Amount	Invoice Number
63728	09/17/13	19039	DORNA S. McKEE	RLS/WAIVER ALL CLAIMS	PV 127783	001 00701	3,500.00	091113

Payment Amount 3,500.00

Total Amount of Payments Written 3,500.00

Total Number of Payments Written 1

Batch Number - 226085
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Payment Number	Payment Date	Address Number	Name	Payment Sub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
63729	09/24/13	17077	AECOM USA, INC.	6/8-8/9/13 5MG WTR STORAGE TNK Payment Amount	PV	127661	001	00701	76,078.62	37372641
63730	09/24/13	18132	AGROMIN PREMIUM SOIL PRODUCTS	110YD COMPOST AMENDMENT	PV	127648	001	00701	1,320.00	0224806-IN
				100YD COMPOST AMENDMENT	PV	127649	001	00701	1,200.00	0224873-IN
				116YD COMPOST AMENDMENT	PV	127650	001	00701	1,392.00	0224897-IN
				110YD COMPOST AMENDMENT	PV	127651	001	00701	1,320.00	0224874-IN
				110YD COMPOST AMENDMENT	PV	127652	001	00701	1,320.00	0224896-IN
				115YD COMPOST AMENDMENT	PV	127653	001	00701	1,380.00	0224935-IN
				109YD COMPOST AMENDMENT	PV	127654	001	00701	1,308.00	0224999-IN
				120YD COMPOST AMENDMENT	PV	127655	001	00701	1,440.00	0225045-IN
				121YD COMPOST AMENDMENT	PV	127656	001	00701	1,452.00	0225078-IN
				119YD COMPOST AMENDMENT	PV	127657	001	00701	1,428.00	0225134-IN
63731	09/24/13	15940	AMERICAN RED CROSS	Payment Amount 1ST AID/C/PRA/ED	PV	127658	001	00701	13,560.00	10250158
				TRNG 7/24/13 Payment Amount					1,170.00	
63732	09/24/13	18893	BILLTRUST	8/13 ON-LINE BILLING & PMT DESIGN OF WEBSITE PAGE	PV	127624	001	00701	4,525.25	85129
				Payment Amount					300.00	85145
63733	09/24/13	3319	BLOIS CONSTRUCTION, INC.	5% RETENTION ON PMT#2 PRG PMT#2-10" MAIN @CLBS RD Payment Amount	PD	127626	001	00301	5,733.16	10535/RTN#2
									114,663.25	10535/#2
									108,930.09	

Batch Number - 226085
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key Item Co	Amount	Invoice Number
63734	09/24/13	5405	CALOLYMPIC SAFETY	MISC INVENTORY ITEMS	PV	127782	001 00701	1,893.93	319692-1
63735	09/24/13	2536	CITY OF LOS ANGELES	SEWAGE CHRG 13/14 O&M-2ND INST	PV	127723	001 00130	26,178.00	74WP140000026 /2
63736	09/24/13	16364	D&H WATER SYSTEMS INC.	SEWAGE CHRG 13/14	PV	127724	001 00130	22,934.00	74WP140000027 /2
63737	09/24/13	19033	DENOVO VENTURES, LLC	CAPITAL-2ND Payment Amount	PV	127777	001 00701	1,941.25	2013-343
63738	09/24/13	18646	HDR ENGINEERING, INC.	PRV MAINT CHLORINE ANALYZERS	PV	127776	001 00701	175.00	21315
63739	09/24/13	16138	MOLLIE HELFAND	Payment Amount 7/24-7/26/13 JDE SUPPORT	PV	127721	001 00101	1,821.25	0000750290
63740	09/24/13	19030	JULIE JAMIES	Payment Amount 7/28-8/24/13 RFP RESV#2 IMPRVM	PV	127722	001 00101	350.00	090413
63741	09/24/13	3083	JCI JONES CHEMICALS, INC	Payment Amount TURF/RUNOFF REBATE	PV	127659	001 00701	2,912.18	593441
63742	09/24/13	2781	LAS VIRGENES	Payment Amount SODIUM HYPOCHLORITE-5004GAL	PV	127660	001 00701	5,706.56	593673
			Alt Payee 13647 JCI JONES CHEMICALS, INC P.O. BOX 636877 CINCINNATI OH 45263-6877	Payment Amount SCIENCE TEAM	PV	127725	001 00101	107,000.00	EDU SRV

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Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Key	Amount	Invoice Number
					Number	Lim Co		
			UNIFIED	SUPPORT				08/1006
			SCHOOL DISTRICT	FY2013/14				
63743	09/24/13	6441	MC CALL'S METER	6" FLANGE	PV	127663 001 00701	2,125.50	24387
			SALES/SERVICE	TUBE METER				
				300PSI				
				FREIGHT	PV	127663 002 00701	130.62	24387
				Payment Amount		2,256.12		
63744	09/24/13	8806	MISSION PAVING & SEALING	REFD DEPOSIT ON CLOSED A/C	PV	127726 001 00101	1,330.68	9997772
				Payment Amount		1,330.68		
63745	09/24/13	3605	MITCHELL INSTRUMENT CO.	PRESSURE VACUUM HAND PUMP KIT	PV	127662 001 00701	1,144.83	082613J03
				FREIGHT	PV	127662 003 00701	9.76	082613J03
				Payment Amount		1,154.59		
63746	09/24/13	2365	MISO TECHNOLOGIES	P/E 7/31/13 WLFP	PV	127664 001 00701	1,890.00	4441
				MODIFICATION				
				P/E 7/31/13 WRF	PV	127665 001 00701	7,917.05	4424
				DISENFECTION				
				Payment Amount		9,807.05		
63747	09/24/13	2842	NAPA AUTO PARTS	AUTO SUPL FOR VEH#155 & 832	PV	127768 001 00701	59.81	664576
				QT 10W30 FOR SHOP STOCK	PV	127769 001 00701	52.19	664922
				AUTO SUPPLIES FOR VEH#155	PV	127770 001 00701	102.22	664991
				Payment Amount		214.22		
63748	09/24/13	2302	OFFICE DEPOT	COPY PAPER-8 CASES	PV	127749 001 00701	386.64	672857750001
				MISC OFFICE SUPPLIES	PV	127750 001 00701	122.23	672857001001
				FOOTREST,ADJ, RESTEASE	PV	127751 001 00701	41.41	672857372001
				TONER BULLPEN PRINTER	PV	127752 001 00701	281.36	673109347001
				MISC OFFICE	PV	127753 001 00701	159.38	672198673001

Batch Number - 226085
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
SUPPLIES										
				FOLDER,	PV	127754	001	00701	10.63	672198921001
				RCY,LTR (1)						
				BOX						
				LIPTON TEA	PV	127755	001	00701	3.82	672176528001
				BAGS						
				MISC COFFEE	PV	127756	001	00701	147.74	672176025001
				SUPPLIES						
				NAME PLATE	PV	127757	001	00701	20.14	672198922001
				ROBERTA-WILSO						
				N						
				Payment Amount					1,173.35	
63749	09/24/13	8380	PERKINELMER HEALTH SCIENCES	9/1/13-8/31/1	PV	127738	001	00701	5,875.00	5303015316
				4 LABWORKS						
				LIMS						
				Payment Amount					5,875.00	
63750	09/24/13	18983	POWERFLO PRODUCTS, INC.	2 AURORA PUMPS - PVMX4-40	PV	127667	001	00701	899.25	41850
				FREIGHT					157.16	41850
				Payment Amount					1,056.41	
63751	09/24/13	2585	PURETEC	9/13-8" D.I. RNTL	PV	127778	001	00701	22.06	1258748
				8/13-WTR TRMT FOR BOILER	PV	127779	001	00701	315.84	1254055
				9/13- 14" D. I. RNTL	PV	127780	001	00701	94.29	1258541
				Payment Amount					432.19	
63752	09/24/13	2956	SOUTH COAST AIR QUALITY MGMT DIST	OP FEE I.D#20457@TAP	PV	127711	001	00751	5,949.17	2635784
				IA						
				EMISSION FEE ID#20457@TAPI	PV	127712	001	00751	117.87	2637000
				A						
				OP FEE I.D#54771@	PV	127713	001	00101	317.07	2635854
				CORNELL P/S						
				EMISSION FEE ID#54771@CORN	PV	127714	001	00101	117.87	2637070
				ELL						
				OP FEE	PV	127715	001	00101	317.17	2635855

Batch Number - 226085
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key Item Co	Amount	Invoice Number
ID#54772@CON									
				DUIT P/S					
				EMISSION FEE	PV	127716	001 00101	117.87	2637071
ID#54772@COND									
				UIT					
				OP FEE	PV	127717	001 00101	2,853.63	2635856
ID#54773@WLK									
				PLNT					
				EMISSION FEE	PV	127718	001 00101	117.87	2637072
ID#54773@WLK									
				PLNT					
				Payment Amount				9,908.52	
63753	09/24/13	16385	SOUTHWEST VALVE & EQUIPMENT, INC.	16 IN MILLIKEN 601 ECCENTRIC	PV	127666	001 00701	5,097.93	3711
				FREIGHT	PV	127666	002 00701	144.74	3711
Payment Amount									
63754	09/24/13	16974	TLO, LLC	BD ONLINE SEARCH 8/13	PV	127622	001 00701	123.00	974571/AUG'13
Payment Amount									
63755	09/24/13	3006	UNDERGROUND SERVICE ALERT	8/13 NEW TICKETS	PV	127728	001 00701	330.00	820130398
Payment Amount									
63756	09/24/13	16623	VELOCITY TECHNOLOGY SOLUTIONS III, INC.	10/13 DISASTER RECOVERY	PV	127729	001 00701	3,114.00	298159
Payment Amount									
63757	09/24/13	2436	VINCE BARNES AUTOMOTIVE	VEHICLE MAINT#877	PV	127628	001 00701	85.00	019917
Payment Amount									
				VEHICLE MAINT#859	PV	127629	001 00701	164.90	019928
				VEHICLE MAINT#824	PV	127630	001 00701	207.12	019937
				VEHICLE MAINT#836	PV	127766	001 00701	335.30	019947
				VEHICLE MAINT#140	PV	127767	001 00701	76.90	019955
Payment Amount									
63758	09/24/13	3035	VWR	PIPETTE TIPS	PV	127775	001 00701	36.14	8055060671
Payment Amount									

ITEM 5B

Batch Number - 226085
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
			SCIENTIFIC	200UL						
			FREIGHT		PV	127775	002	00701	9.83	8055060671
			VWR INTERNATIONAL, INC P. O. BOX 640169 PITTSBURGH PA 15284-0169							
			Alt Payee							
			3216							
			W. LITTEN							
			3109							
				Payment Amount					45.97	
63759	09/24/13		SRV		PV	127631	001	00701	4,504.00	0320267
			8/11--8/17/13							
			RANCHO							
			SRV		PV	127632	001	00701	3,228.20	0320268
			8/18--8/24/13							
			RANCHO							
			SRV		PV	127740	001	00701	3,675.70	0320269
			8/25--8/31/13							
			RANCHO							
			SRV		PV	127763	001	00701	2,796.55	0320270
			9/1--9/7/13							
			RANCHO							
			SRV		PV	127772	001	00751	1,192.60	0320271
			SRV 9/5-9/6							
			DISCHRG TO							
			MALIBU							
			Payment Amount						15,397.05	
63760	09/24/13		WAITE BROS.		PV	127765	001	00701	9,650.00	37346
			3037							
			PLUMBING							
			Payment Amount						9,650.00	
63761	09/24/13		WALTON MOTORS		PV	127771	001	00701	3,101.99	35035
			18521							
			& CONTROLS, INC.							
			Payment Amount						3,101.99	
63762	09/24/13		WECK		PV	127741	001	00701	668.00	W3H0696-LV
			18914							
			LABORATORIES, INC.							
			LAB		PV	127742	001	00701	4,060.00	W3H0798-LV
			SRV@MALIBU							
			CREEK							
			LAB SRV@WLK		PV	127743	001	00701	120.00	W3H2789-LV
			RESRV							
			LAB SRV		PV	127744	001	00701	210.00	W3H2784-LV
			@TAPIA							
			LAB SRV@TAPIA		PV	127745	001	00701	30.00	W3H2787-LV

Batch Number - 226085
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key Ltm Co	Amount	Invoice Number
63763	09/24/13	3048	WEST COAST AIR CONDITIONING	LAB SRV@WLK LAB SRV@MALIBU CREEK LAB SRV@TAPIA Payment Amount REPR A/C @LAB AREA	PV	127746 127747 127748 127773	001 00701 001 00701 001 00701 001 00701	39.00 2,244.00 449.00 176.00	W3H2788-LV W3H2786-LV W3H2785-LV S51054
63764	09/24/13	3049	WEST COAST WATER SERVICE, INC	8/13 PRV MAINT WTR TRMT Payment Amount 9/13 WTR TRMT FOR BOILER	PV	127774	001 00701	395.00 571.00 322.00	S51220 22478
63765	09/24/13	17851	WESTERN MUNICIPAL WATER DISTRICT	Payment Amount FREE SPRINKER NOLLES 6/15-7/31 Payment Amount Total Amount of Payments Written Total Number of Payments Written	PV	127623	001 00101	812.50 812.50 459,096.76 37	LVMWD 00004

Date: September 11, 2013
 To: David W. Pedersen, General Manager
 From: Finance and Administration Department
 Subject: Investment Report for the Month of August 2013

Summary of Investments

Investments Maturing Within Six Months:

Disc./Cpn Rate	Yield To Maturity	Investment Type	Date Invested	Date Matures	Book Value	Par Value	Market Value	Market Value Source
1.125%	1.125%	FHLB-Bullet	09/20/10	12/30/13	1,000,000	1,000,000	1,003,390	Custodian
		Sub-Total			1,000,000	1,000,000	1,003,390	

Investments Maturing After Six Months:

2.662%	2.662%	NYCGEN-Municipal Bond	06/04/10	05/01/14	1,000,000	1,000,000	1,014,000	Custodian
1.500%	1.500%	FNMA-Callable Coupon	09/08/10	09/08/14	1,000,000	1,000,000	1,011,660	Custodian
1.150%	1.150%	FHLB-Callable Coupon	11/24/10	07/24/14	1,000,000	1,000,000	1,008,660	Custodian
2.000%	2.000%	FHLB-Bullet	03/15/11	03/30/15	1,000,000	1,000,000	1,025,750	Custodian
1.250%	1.250%	FNMA-Callable Coupon	02/14/12	02/14/17	2,000,000	2,000,000	1,998,700	Custodian
1.250%	1.250%	FHLMC-Callable Coupon	02/17/12	02/17/17	1,000,000	1,000,000	993,350	Custodian
1.300%	1.300%	FNMA-Callable Coupon	02/21/12	02/21/17	1,000,000	1,000,000	1,003,500	Custodian
1.150%	1.150%	FHLMC-Callable Coupon	02/28/12	02/28/17	1,000,000	1,000,000	998,320	Custodian
0.670%	0.670%	FNMA-Bullet	03/26/12	08/26/15	1,000,000	1,000,000	1,004,190	Custodian
1.050%	1.050%	FFCB-Bullet	03/28/12	03/28/16	1,000,000	1,000,000	1,010,770	Custodian
1.400%	1.400%	FHLMC-Callable Coupon	03/28/12	03/28/17	1,000,000	1,000,000	1,004,640	Custodian
1.270%	1.270%	FHLB-Bullet	03/30/12	03/02/17	1,000,000	1,000,000	1,003,330	Custodian
0.750%	0.750%	KYSHSG-Municipal Bond	06/27/12	07/01/14	1,000,000	1,000,000	999,920	Custodian
0.980%	0.980%	FFCB-Callable Coupon	09/18/12	09/18/17	1,000,000	1,000,000	982,330	Custodian
0.75% & Up	1.268%	FNMA-Callable Coupon	09/20/12	09/20/17	1,000,000	1,000,000	980,990	Custodian
0.900%	0.921%	FNMA-Callable Coupon	10/25/12	10/25/17	999,000	1,000,000	974,450	Custodian
0.625%	0.700%	FHLMC-Bullet	10/26/12	11/01/16	997,040	1,000,000	989,280	Custodian
0.820%	0.860%	FFCB-Callable Coupon	10/26/12	07/11/17	998,000	1,000,000	979,510	Custodian
0.75% & Up	1.045%	FNMA-Callable Coupon	11/21/12	11/21/17	1,000,000	1,000,000	980,690	Custodian
0.625%	0.625%	FNMA-Callable Coupon	11/28/12	11/28/16	2,000,000	2,000,000	1,969,340	Custodian
0.740%	0.550%	Montgomery-Muni Bond	11/29/12	04/01/15	1,004,400	1,000,000	996,280	Custodian
0.5% & Up	1.047%	FNMA-Callable Coupon	12/07/12	11/28/17	1,000,000	1,000,000	981,380	Custodian
0.600%	0.600%	FFCB-Callable Coupon	12/13/12	12/12/16	1,000,000	1,000,000	987,150	Custodian
0.600%	0.580%	Port Auth NY&NJ-MuniBot	12/19/12	12/01/15	1,000,580	1,000,000	991,600	Custodian
0.600%	0.600%	FFCB-Bullet	12/27/12	12/27/16	1,000,000	1,000,000	987,410	Custodian
0.500%	0.500%	FHLB-Callable Coupon	12/28/12	06/28/16	1,000,000	1,000,000	990,960	Custodian
0.500%	0.500%	FHLMC-Callable Coupon	01/15/13	01/15/16	1,000,000	1,000,000	996,420	Custodian
0.850%	0.850%	AZSHGR-Muni Bond	01/17/13	06/01/15	2,205,000	2,205,000	2,208,506	Custodian
0.500%	0.500%	FHLMC-Callable Coupon	01/30/13	11/27/15	1,000,000	1,000,000	997,810	Custodian

LVMWD Investment Report for the Month Ending August 31, 2013

Disc./Cpn Rate	Yield To Maturity	Investment Type	Date Invested	Date Matures	Book Value	Par Value	Market Value	Market Value Source
Investments Maturing After Six Months (continued):								
0.5% & Up ⁴	1.141%	FHLB-Callable Coupon	02/07/13	02/07/18	1,000,000	1,000,000	981,980	Custodian
1.585%	1.100%	LVNSCD-Muni Bond	02/20/13	11/01/17	1,022,130	1,000,000	987,920	Custodian
0.600%	0.600%	FNMA-Callable Coupon	02/25/13	08/25/16	1,000,000	1,000,000	990,800	Custodian
0.5% & Up ⁵	1.097%	FHLB-Callable Coupon	02/28/13	02/28/18	1,000,000	1,000,000	982,780	Custodian
1.000%	1.000%	NJSMFH-Muni Bond	03/26/13	11/01/14	1,245,000	1,245,000	1,243,282	Custodian
0.690%	0.690%	PST-Muni Bond	03/26/13	11/01/16	1,000,000	1,000,000	986,090	Custodian
1.000%	1.000%	FHLMC-Callable Coupon	03/26/13	03/26/18	1,000,000	1,000,000	967,540	Custodian
0.8% & Up ⁶	1.145%	FNMA-Callable Coupon	03/27/13	03/27/18	1,000,000	1,000,000	980,170	Custodian
0.85% & Up ⁷	1.170%	FNMA-Callable Coupon	03/28/13	03/28/18	1,000,000	1,000,000	978,130	Custodian
1.020%	1.020%	FHLMC-Callable Coupon	04/30/13	04/30/18	999,500	1,000,000	966,840	Custodian
0.950%	0.950%	FHLMC-Callable Coupon	05/22/13	05/22/18	1,000,000	1,000,000	966,940	Custodian
0.750%	0.750%	FHLMC-Callable Coupon	05/28/13	11/28/17	1,000,000	1,000,000	965,900	Custodian
0.75% & Up ⁸	1.117%	FNMA-Callable Coupon	05/29/13	05/29/18	1,000,000	1,000,000	972,140	Custodian
0.832%	0.832%	ARLDEV-Muni Bond	06/03/13	12/15/16	1,585,000	1,585,000	1,555,678	Custodian
1.250%	1.250%	FHLB-Callable Coupon	06/26/13	06/26/18	1,000,000	1,000,000	973,820	Custodian
Sub-Total					48,055,650	48,035,000	47,570,905	
Total Investments					49,055,650	\$49,035,000	48,574,295	

Note: Gov. Agency Coupon Notes will distribute interest every six month.

1-CPNRT=0.75% to 9/14; thereafter 1.625%.

3-CPNRT=0.5% to 8/14; 1% to 8/15; thereafter 1.5%.

5-CPNRT=0.5% to 2/14; thereafter 1.25%.

7-CPNRT=0.85% to 9/15; 1% to 9/16; 1.5% to 9/17; thereafter 2.5%.

2-CPNRT=0.75% to 11/15; thereafter 1.5%.

4-CPNRT=0.5% to 2/14; 0.75% to 2/15; 1% to 2/16; 1.5% to 2/17; thereafter 2%.

6-CPNRT=0.8% to 9/15; thereafter 1.5%.

8-CPNRT=0.75% to 5/16; 1% to 5/17; 2% to 11/17; thereafter 3%.

Interest earnings for the month were as followed:

	Amount	Current Yield
Refunding Revenue Bonds - Reserve Fund (Bank of New York Mellon)	\$624	0.271%
Investments	42,153	0.930%
Local Agency Investment Fund (LAIF)	4,495	0.271%
Reich & Tang Daily Income - US Treasury Money Market Fund	0	0.000%
Sweep Accounts (Wells Fargo Bank/Bank of New York Mellon)	13	0.010%
Total Earnings	\$47,285	

Schedule of Investment Balance Limitations (Per District investment policy)

The source of the market valuation is as followed:

Investments (Note 1)	Total Amount Invested	% of Total	Max. Limit Allowed
Refunding Revenue Bonds - Reserve Fund (Bank of New York Mellon/LAIF)	\$49,055,650	67.56%	no limit
Reich & Tang Daily Income - US Treasury Money Market Fund (Union Bank)	2,764,900	3.81%	1 yr debt pmt.
Local Agency Investment Fund (LAIF)	44,814	0.06%	no limit
Total	20,747,515	28.57%	50,000,000
	\$72,612,879	100.00%	

(Note 2)

Note 1: The average weighted duration for investments, excluding LAIF, is 1,141 days, which is under the assumption that callable coupons will not be called and will be held until maturity.
 Note 2: In August 2013, estimated Joint Powers Authority's participation in investment is \$7,032,903.43, of which \$5,265,897.20 (or 74.87%) belongs to LV.

LVMWD Investment Report for the Month Ending August 31, 2013

Bank Account Balances as of August 31, 2013:

Bank Name	Account Type	Amount
Wells Fargo Bank	Checking	\$97,722 (Note 3)
Wells Fargo Bank	Sweep	346,864
Bank of New York Mellon	Money Market	0
Total		\$444,586

Note 3: This is bank balance without adjusting for outstanding checks. The total amount of outstanding checks is unavailable at the time of reporting.

"All District investments are included in this report and all investments, except those relating to debt issues and deferred compensation programs funds, conform to District investment policy. All investment transactions within the period covered by this report, except for the exceptions noted above, conform to District investment policy. Deferred compensation program funds are not included in this report; their investment is directed by individual employees participating in the deferred compensation program and not by the District. Debt issue funds are included in this report; their investment is controlled by specific provisions of the issuance documents and not by the District."

"The deposits and investments of the District safeguard the principal and maintain the liquidity needs of the District, providing the District with the ability to meet expenditure requirements for the next six months. The maturity dates are compatible with foreseeable cash flow requirements. The deposits and investments can be easily and rapidly converted into cash without substantial loss of value."

Approved for September 24, 2013 Agenda:

David W. Pedersen 09/13/13

David W. Pedersen, General Manager

I HEREBY CERTIFY THAT THE FOREGOING IS TRUE AND CORRECT

TO THE BEST OF MY KNOWLEDGE

Leonard Polan
9-12-13

Leonard Polan, Treasurer



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Calabasas Road 10-inch Water Main Repair and Replacement: Continuation of Emergency Authorization

SUMMARY:

On May 14, 2013 and at each subsequent Regular Meeting through August 27, 2013, the Board of Directors, by unanimous vote, authorized the General Manager to take emergency action to replace approximately 1,500 feet of deteriorated 10-inch water main on Calabasas Road following informal bidding procedures in an amount not to exceed \$700,000. Section 2-5-502 of the Las Virgenes Municipal Water District Code establishes that, at each subsequent regular meeting, the Board shall determine by 4/5's vote whether to continue the emergency authorization.

On September 10, 2013, Director of Facilities and Operations Lippman provided an update on the project including: on September 9th, two-thirds of the water main repair and replacement was disinfected and pressure tested; the remaining one-third of the water main repair and replacement should be completed in two to three weeks; and paving will be done once the entire repair and replacement project has been completed. Upon completion of the update, the Board of Directors, by unanimous vote, approved continuation of the emergency authorization.

RECOMMENDATION(S):

Approve continuation of the emergency authorization for the General Manager to replace approximately 1,500 feet of deteriorated 10-inch water main on Calabasas Road following informal bidding procedures in an amount not to exceed \$700,000.

FINANCIAL IMPACT:

The Board of Directors previously authorized the work in an amount not to exceed \$700,000.

DISCUSSION:

Las Virgenes Municipal Water District Code Section 2-5-502 - Emergencies:

(b) "When a meeting of the Board can be commenced in a timely manner to authorize emergency action, by a 4/5's vote, the Board may authorize procurement of good and services without formal bids, informal bids, or requests for proposal. Such authorization shall be based on substantial evidence set forth in the minutes of the meeting that the emergency will not permit delay and action is necessary to respond to the emergency. Until the emergency subsides or the work is complete, at each subsequent regular meeting the Board shall determine by 4/5's vote whether to continue or terminate the authorization for emergency."

Prepared By: Kimmey Conklin, Executive Assistant/Clerk of the Board



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Communications Site Lease Agreement: Morrison Tank (Woodglen Drive and Ridgebrook Drive, Agoura Hills, CA)

SUMMARY:

Staff is recommending approval of a communications site lease agreement with New Cingular Wireless PCS, LLC (Cingular/AT&T) for the Morrison Tank site, near Woodglen and Ridgebrook Drives in Agoura Hills. The agreement provides for Cingular/AT&T to pay the District \$2,100 per month in rent with an annual escalator of 3%. The term of the agreement is ten (10) years with the option for Cingular/AT&T to renew for four (4) additional five (5) year terms.

RECOMMENDATION(S):

Authorize the General Manager to execute a communications site lease agreement with New Cingular Wireless PCS, LLC for the Morrison Tank site.

FINANCIAL IMPACT:

The agreement provides for Cingular/AT&T to pay rent in the amount of \$2,100 per month, generating approximately \$25,000 per year in new revenue to the District. In addition, the agreement includes a rent escalation factor of 3%, effective each January 1st for the term of the agreement. Development costs, including permitting, utility installation and ongoing operational costs, will be paid by Cingular/AT&T.

DISCUSSION:

Cingular/AT&T is proposing to build a new wireless site installation at the District's Morrison Tank. Significant features of the installation, as proposed, include eight (8) vertically-mounted Long Term Evolution antennas and seven (7) enclosed equipment cabinets. The equipment cabinets will be installed in an enclosure with security and landscape screening. A location map, site plan, and elevation renderings are attached.

In addition to seeking a site lease agreement, the applicant has submitted an application to the City of Agoura Hills (City) for the development of the site. The City requires geotechnical and soils reports and hydrology and drainage studies among other documents. Cingular/AT&T is developing the required documents and anticipates submittal to the City within the next two months. Cingular/AT&T will have ninety days to obtain the City's approval and an additional ninety days upon payment of \$1,200 to the District. If the approvals are not obtained in 180 days, the lease will be void. District Legal Counsel has reviewed the attached draft lease agreement.

Prepared By: Doug Anders, Administrative Services Coordinator

ATTACHMENTS:

[Communication Site Lease Agreement](#)

[Site Plan](#)

COMMUNICATIONS SITE LEASE AGREEMENT

As of _____, 2013, **New Cingular Wireless PCS, LLC, a Delaware limited liability company** ("Lessee") and **Las Virgenes Municipal Water District** ("Lessor") agree as follows, which agreement will be hereinafter referred to as the "Lease".

1. Premises. Lessor leases to Lessee that portion of Lessor's Property depicted in Exhibit "A", including applicable easements for access and utilities (the "Premises"). The Premises are depicted on Exhibit "B".

2. Use. Lessee may use the Premises for lawful activity in connection with mobile/wireless communications services, including without limitation, the transmission and reception of radio communication signals on various frequencies and the construction, maintenance and operation of communications facilities.

3. Conditions Precedent. Performance by Lessee is conditioned upon (i) satisfactory results of Tests (as defined in Section 6(a) below), (ii) a good faith determination by Lessee of the suitability of the Premises in its sole discretion, including but not limited to an environmental inspection of Lessor's Property and adjacent property, and (iii) approval and issuance of governmental approvals and permits to enable Lessee to construct and operate mobile/wireless communications facilities on the Premises, and (iv) approval of work plans as required by paragraph 6(g). Lessor shall cooperate with Lessee in making application for licenses, permits and other approvals required for Lessee's use of the Premises. If the conditions of this Section 3 have not been satisfied within 90 days after the date first above written, upon payment of \$1,200.00 to Lessor, Lessee shall be granted an additional 90 days in which to comply with the terms of this Section 3. If the conditions of this Section 3 have not been satisfied within 180 days after the date first above written, this Lease will not commence.

4. Term. The initial term of this Lease ("Initial Term") shall be ten (10) years commencing with the issuance of a permit allowing Lessee to construct its facilities on the Premises ("Commencement Date"). This lease will automatically be renewed for four (4) additional terms (a "Renewal Term") of five (5) years unless Lessee provides Lessor notice of intention not to renew not less than 90 days prior to the expiration of the Initial Term or any Renewal Term.

5. Rent. Beginning on the Commencement Date, Lessee shall pay Lessor, as rent, the sum of two thousand one hundred (\$2,100.00) ("Rent") per month. Rent shall be payable on the first day of each month, in advance, to Lessor. Rent shall be increased annually on each January 1st by three percent (3%) over the rent paid during the previous year.

If the Commencement Date is other than the first day of a calendar month, Lessee shall pay on the first day of the Term the prorated Rent for the remainder of the calendar month in which the Term commences. Thereafter, Lessee shall pay a full month's Rent on the first day of each calendar month, except that payment shall be prorated for the final fractional month of this Lease, or if this Lease is terminated before the expiration of any month for which Rent should have been paid.

6. Improvements; Access.

(a) Prior to the Commencement Date Lessee may enter the Premises to inspect, survey (and soil test where applicable) and test (collectively "Tests") to determine the suitability of the Premises and to prepare for the construction of Lessee's Facilities. During Tests or pre-construction work, Lessee will have insurance as set forth herein. Lessee will notify Lessor of proposed Tests or pre-construction work and will coordinate the scheduling with Lessor.

(b) Lessee may construct, maintain and operate on the Premises only those radio communications facilities, including but not limited to radio frequency transmitting and receiving equipment, batteries, utility lines, transmission lines, radio frequency transmitting and receiving antennas and supporting structures and improvements ("Lessee's Facilities") approved by Lessor as depicted in Exhibit "B". Lessee may modify Lessee's Facilities with Lessor's prior consent, which consent will not be unreasonably withheld, conditioned or delayed, without the payment of additional Rent as long as Lessee's Facilities remain wholly within the Premises. Lessee may utilize any radio frequencies which are licensed

to it by the Federal Communications Commission as long as the use is in compliance with the terms of Section 7, Interference with Communications. Lessee may do work necessary to prepare, add, maintain and alter the Premises for Lessee's communications operations and to install utility lines and transmission lines connecting antennas to transmitters and receivers. Lessee may install warning signs, as approved by Lessor, deemed necessary on or about the Premises. Lessee's construction and installation work shall be performed at Lessee's sole cost and expense and in a good and workmanlike manner. Title to Lessee's Facilities and equipment placed on the Premises by Lessee shall be held by Lessee. Lessee's Facilities shall remain the property of Lessee and are not fixtures. Lessee shall remove Lessee's Facilities at its sole expense on or before the expiration or termination of this Lease.

(c) Lessor shall provide access to Lessee, Lessee's employees, agents, contractors and subcontractors to the Premises twenty-four (24) hours a day, seven (7) days a week. Lessee shall contact District standby personnel for access to Premises outside of normal working hours. Lessor has easement rights of ingress to and egress from the Premises, and may not be able to grant such rights to Lessee. Lessee shall secure, at Lessee's expense, easement rights to access the Premises.

(d) Lessee may install utilities, at Lessee's expense, and improve the present utilities on or near the Premises, as approved by Lessor. Subject to Lessor's approval of the location, Lessee may place utilities on (or to bring utilities across) Lessor's Property as depicted in Exhibit "B" to service the Premises and Lessee's Facilities. On Lessee's request, this lease will be amended to include leasehold rights across the contiguous property owned by Lessor.

(e) Lessee shall fully and promptly pay to the appropriate utility for all utilities furnished to the Premises for the use, operation and maintenance of Lessee's Facilities. Upon the expiration, cancellation or termination of this Lease, Lessee shall remove improvements installed by Lessee and surrender the Premises to Lessor in good condition, less ordinary wear and tear. Prior to commencing construction of Lessee's Facilities, Lessee shall obtain Lessor's approval of Lessee's work plans. Lessor shall give such approval or provide Lessee with its requests for changes within five (15) working days of Lessor's receipt of Lessee's work plans.

7. Interference with Communications. Lessee's Facilities shall not disturb the equipment and improvements on Lessor's property. Lessee's Facilities shall comply with all non-interference rules of the Federal Communications Commission ("FCC"). Lessor may improve its communications equipment as necessary to meet Lessor's obligation to its customers. Lessor shall require future tenants, licensees, or occupants using Lessor's Property for the operation of wireless communications facilities to obtain Lessee's prior written consent. Pre-existing communications operating in the same manner as on the Commencement Date shall not be deemed interference.

8. Taxes. Lessee shall pay taxes assessed against Lessee's facilities, including possessory interest taxes.

9. Termination. Lessee may terminate this Lease at any time with thirty (30) days prior notice to Lessor without further liability if Lessee does not obtain all permits or other approvals (collectively, "approval") required from any governmental authority or any easements required from any third party to operate its wireless communications system, or if any such approval is canceled, expires or is withdrawn or terminated, or if Lessor fails to have proper ownership of the Site or authority to enter into this Agreement, or if Lessee, for any other reason, in its sole discretion, determines that it will be unable to use the Premises. Lessee may terminate this Lease without further liability on thirty (30) days prior written notice if Lessor defaults on a Lease covenant, condition or term that is not cured within sixty (60) days of receipt of written notice of demand. Upon termination, Lessor will retain all prepaid rent unless such termination is due to Lessor's failure of proper ownership or authority, or such termination is a result of Lessor's default. Lessor may terminate this Lease without further liability on thirty (30) days prior written notice if Lessee defaults on a Lease covenant, condition or term that is not cured within sixty (60) days of receipt of written notice of default. Five (5) years after the Commencement Date, Lessor may terminate this Lease with eighteen (18) months advance written notice to Lessee if Lessor reasonably determines that the requirements of its customers necessitate use of the Premises in a manner that requires Lessee to vacate the Premises, and if relocation of Lessee's Facilities pursuant to paragraph 18 below cannot resolve the customer's requirements prompting Lessor's termination.

10. Destruction of Premises. If the Premises or Lessor's Property is destroyed or damaged so as in Lessee's judgment to hinder its effective use of Lessor's Property, Lessee may elect to terminate this Lease as of the date of the damage or destruction by so notifying Lessor no more than thirty (30) days following the date of damage or destruction. In such event, rights and obligations of parties that do not survive the termination of this Lease shall cease as of the date of the damage or destruction. At all times Lessee shall properly maintain their equipment within the premises. In a good and workmanlike manner.

11. Condemnation. If a condemning authority takes all of Lessor's Property, or a portion that in Lessee's opinion is sufficient to render the Premises unsuitable for Lessee's use, then this Lease shall terminate as of the date when possession is delivered to the condemning authority. In a condemnation proceeding, each party shall be entitled to make a claim against the condemning authority for just compensation. Sale of all or part of the Premises to a purchaser with the power of eminent domain in the face of the exercise of its power of eminent domain shall be treated as a taking by a condemning authority.

12. Insurance.

(a) Lessee shall maintain the following insurance: (1) Commercial General Liability with limits of \$5,000,000.00 per occurrence, (2) Automobile Liability with a combined single limit of \$1,000,000.00 per accident, (3) Workers' Compensation as required by law, and (4) Employer's Liability with limits of \$1,000,000.00 per occurrence. Lessee shall include Lessor as an additional insured with respect to the above Commercial General Liability insurance for claims arising out of Lessee's use or occupancy of the Premises.

(b) Lessee shall have the right to self-insure with respect to any of the above insurance. Should Lessee desire to self-insure Lessee shall provide Lessor a certificate of self-insurance in the amounts as stated under 12. (a)

13. Assignment. Lessee shall not have the right to sublease or assign its rights under this Lease without notice to or the prior written consent of Lessor. Lessee shall have right to sublease or assign its rights under this Agreement to any of its subsidiaries, affiliates, or successor legal entities, or to any entity acquiring substantially all of the assets and liabilities of Lessee or Lessee's FCC license, without prior notice to or the consent of Lessor. However, any assignee or sublessee of Lessee shall be obligated to comply with all of the terms and conditions of this Lease, and any such assignment or sublease shall not alleviate Lessee of any liability under this Lease.

14. Indemnity.

(a) Lessee shall defend, indemnify, hold and save Lessor, its officers, agents, employees and volunteers harmless from and against loss, costs, liability or damage (including reasonable attorney's fees and court costs) arising by reason of the willful misconduct or negligence of Lessee, or Lessee's officers, agents or employees, in connection with the use of the Premises, except said indemnification shall not apply to any loss, costs, liability, or damage arising by reason of the negligence or willful misconduct of Lessor or Lessor's officers, agent, or employees.

(b) The foregoing indemnity in paragraph 14(a) above shall survive the termination, cancellation or expiration of this Lease.

15. Title and Quiet Enjoyment.

(a) Lessor warrants it has full right, power and authority to execute this Lease. Lessor warrants Lessee shall have quiet enjoyment of the Premises during the Term of this Lease or any Renewal Term.

(b) Lessee may obtain a title report or commitment for a leasehold title policy from a title insurance company of its choice. If, in the opinion of Lessee, such title report shows defects of title or liens or encumbrances adversely affecting Lessee's use of the Premises, Lessee may terminate this Lease immediately upon written notice to Lessor.

Access to the premises shall be limited to Monday through Friday, 7:30 a.m. – 4:30 p.m. Lessee shall coordinate with Lessor to determine Lessee's contact person to pre-schedule all routine work forty-eight (48) hours in advance of performing work. Emergency, after hours and weekend work shall be coordinated through Lessor's on-call staff. In the event of emergency, after hours or weekend work Lessee will reimburse Lessor for applicable labor costs incurred.

16. Repairs. Lessee shall not be required to make repairs to the Premises except for damages to the Premises caused by Lessee, its employees, agents, contractors or subcontractors.

17. Environmental. Lessor represents that, to the best of its knowledge, the Premises have not been used for the generation, storage, treatment or disposal of hazardous materials, hazardous substances or hazardous wastes. Lessee shall not introduce any hazardous materials, hazardous substances, hazardous wastes, pollutants, asbestos, polychlorinated biphenyls (PCBs), petroleum or other fuels (including crude oil or fraction or derivative thereof) or underground hazardous materials storage tanks in violation of any applicable law. If, during the term of the Lease, there is a determination made pursuant to an official unappealable order of the Federal Communications Commission or any other governmental agency that use of the Premises by Lessee poses a human health hazard which cannot be remediated, then (i) Lessee shall immediately cease all operations on the Premises, and (ii) the Lease shall terminate as of the date of such order.

18. Relocation of the Antenna Facilities

(a) Lessor will have the one-time right to relocate Lessee's Facility, or any part thereof, to an alternate ground location on Lessor's property; provided, however, that such relocation will (1) be at Lessee's sole cost and expense, (2) be performed exclusively by Lessee or its agents, (3) not result in any interruption of the communications service provided by Lessee on Lessor's property, (4) not impair, or in any manner alter, the quality of communications service provided by Lessee on and from Lessor's property, and (5) be done in accordance with the terms and conditions contained in paragraphs (b) and (c) below. Upon relocation of the Lessee's Facility, the access and utility easement(s) of Lessee will be relocated as required to operate and maintain Lessee's facilities.

(b) Lessor shall exercise its relocation right under paragraph (a) above by (and only by) delivering written notice ("the notice") to the Lessee. In the notice, Lessor will propose an alternate site on Lessor's property to which Lessee may relocate its communications facility. Lessee will have sixty (60) days from the date it receives the notice to evaluate Lessor's proposed relocation site, during which period Lessee will have the right to conduct tests to determine the technological feasibility of the proposed relocation site. If Lessee fails to approve of such proposed relocation site in writing within said thirty day period, then Lessee will be deemed to have disapproved such proposed relocation site. If Lessee disapproves such relocation site, then Lessor may thereafter propose another relocation site by notice to Lessee in the manner set forth above. Any relocation site which Lessor and Lessee agree upon in writing is referred to hereinafter as the "Relocation Site". Lessee will have a period of ninety (90) days after execution of a written agreement between the parties concerning the location and dimensions of the Relocation Site to relocate (at Lessee's expense) its communications facility to the Relocation Site. The parties agree that they shall cooperate in good faith and exercise commercially reasonable efforts to reach agreement on a suitable relocation site.

(c) Upon relocation of the communications facility of Lessee, or any part thereof, to the Relocation Site, all references to the Lessee's Facilities in the Lease will be deemed to be references to the Relocation Site. Lessor and Lessee hereby agree that the Relocation Site (including the access and utility right of way) may be surveyed by a licensed surveyor at the sole cost of Lessee, and such survey will then replace Exhibit A and become a part hereof and will control or describe the Lessee Facilities. Except as expressly provided in this paragraph 18, Lessor and Lessee hereby agree that in no event will the relocation of the communications facility of Lessee, or any part thereof, under Paragraph (a), above, affect, alter, modify or otherwise change any of the terms and conditions of this Lease.

19. Miscellaneous.

(a) This Lease shall be binding on and inure to the benefit of the successors and permitted assignees of the respective parties.

(b) Any notice or demand required to be given herein shall be made by certified or registered mail return receipt requested, confirmed fax, or reliable overnight mail to the address of the respective parties set forth below:

Lessor: Las Virgenes Municipal Water District
4232 Las Virgenes Road, Calabasas, CA. 91302-1994
Attn: General Manager
Phone: (818) 251-2100
Fax: (818) 251-2149

Lessee: New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
RE: Cell Site #: ____; Cell Site Name: ____ (CA)
Fixed Asset No. : _____
12555 Cingular Way, Suite 1300
Alpharetta, GA 30004

With a copy to: New Cingular Wireless PCS, LLC
Attn: AT&T Legal Department
RE: Cell Site #: ____; Cell Site Name: ____ (CA)
Fixed Asset No. : _____
(by US Mail) P.O. Box 97061 Redmond, WA 98073-9761
(by courier) 16331 NE 72nd Way Redmond, WA 98052

(c) Lessee shall pay Rent to the address stated below:

Las Virgenes Municipal Water District
4232 Las Virgenes Road, Calabasas, CA. 91302-1994
Attn: Accounts Receivable
Phone: (818) 251-2224

Lessor or Lessee may from time to time designate any other address for this purpose by written notice to the other party.

(d) This Lease shall be governed under the laws of the State of California.

(e) The substantially prevailing party in any legal claim arising hereunder shall be entitled to its reasonable attorney's fees and court costs, including appeals.

(f) Terms and conditions of this Lease, which by their sense and context survive the termination, cancellation or expiration of this Lease will so survive.

(g) Upon request either party may require that a Memorandum of Lease be recorded in the form of Exhibit "C".

(This Lease constitutes the entire agreement and understanding between the parties, and supersedes all offers, negotiations and other leases concerning the subject matter contained herein. There are no representations or understandings of any kind not set forth herein. Any amendments to this Lease must be in writing and executed by both parties.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties have executed this Lease as of the date first above written.

LESSOR
LAS VIRGENES MUNICIPAL WATER DISTRICT

By: _____

Name: David W. Pedersen

Title: General Manager

Tax ID#: 952212398

Approved as to Form:

Wayne Lemieux

LESSEE
New Cingular Wireless PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: _____

Name: _____

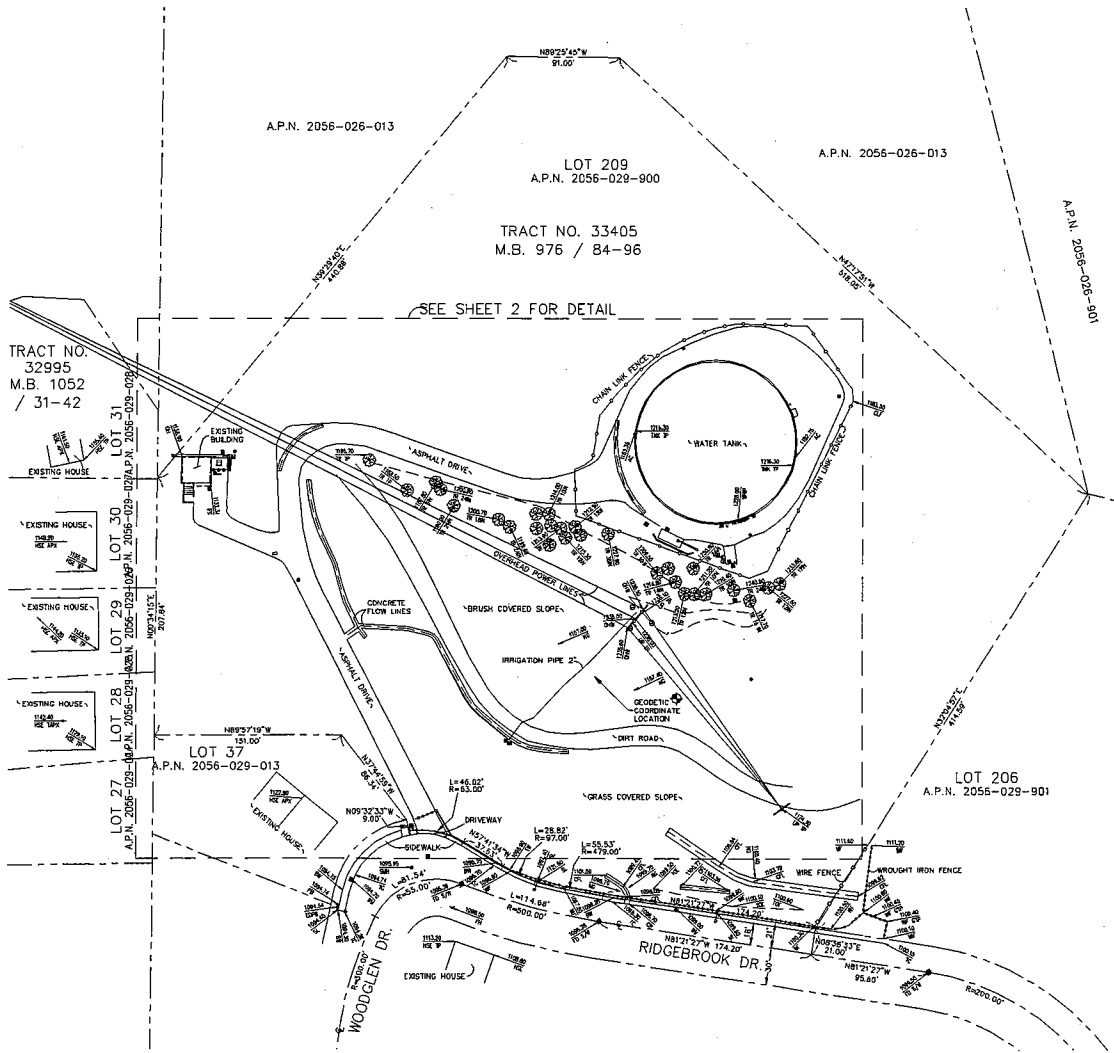
Title: _____

EXHIBIT "A"

All that certain real property situated in the County of Los Angeles, State of California, described as follows:

Lot 209 of Tract No. 33405, in the City of Agoura Hills, County of Los Angeles, State of California, as per map recorded in Book 976 Pages 84 to 96 inclusive of maps, in the Office of the County Recorder of said County.

Assessor's Parcel Number: **2056-029-900**



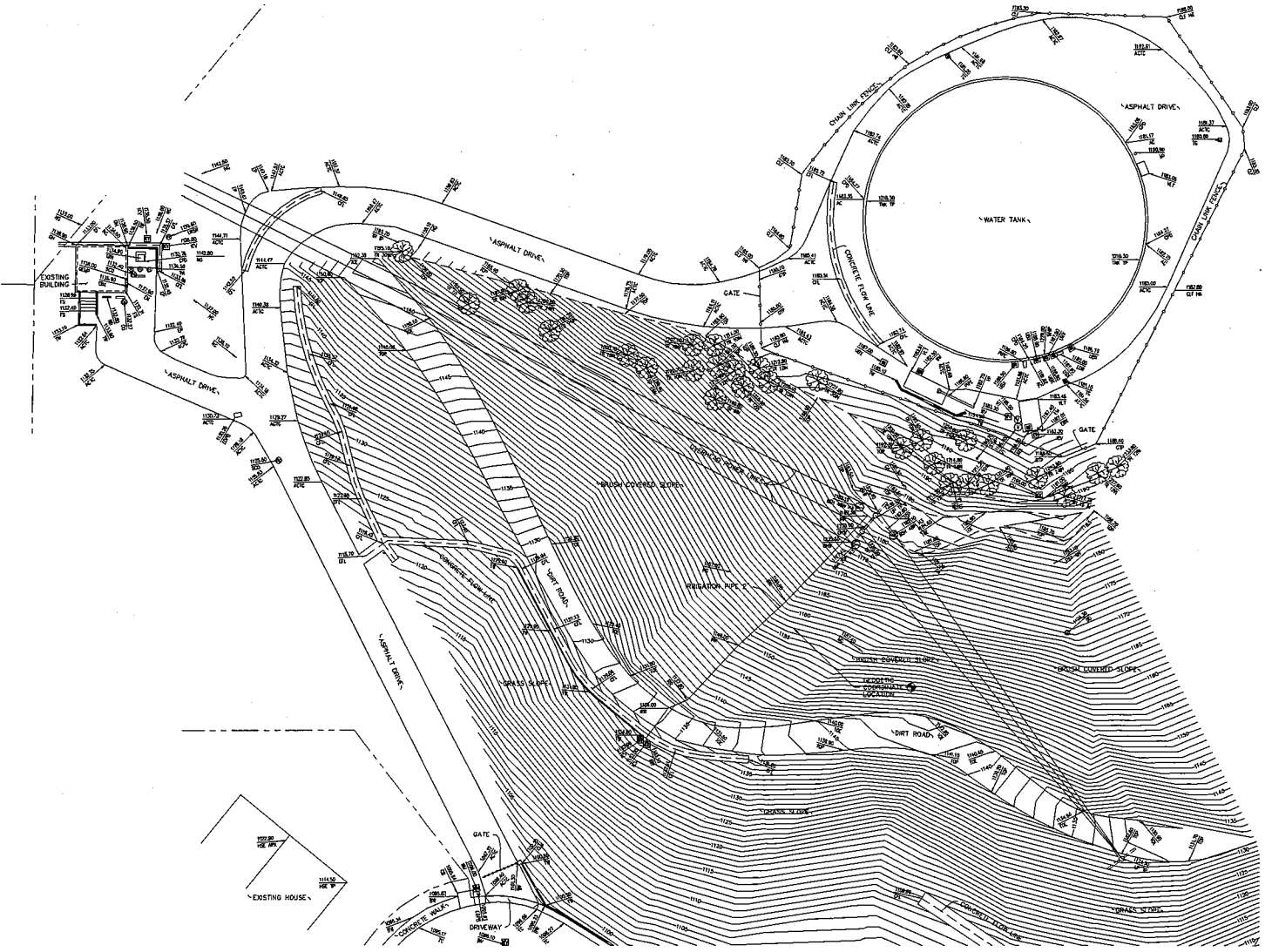


EXHIBIT C**Return to:**

(For Overnight Courier)
 New Cingular Wireless PCS, LLC
 12555 Cingular Way
 Alpharetta, GA 30004
 Attn: AT&T Network Real Estate Administration

CELL SITE NO:

CELL SITE NAME: MORRISON TANK

Fixed Asset Number:

State: California
 County: Los Angeles

**MEMORANDUM
 OF
 LEASE**

This Memorandum of Lease is entered into on this ____ day of ____ 2013 by and between Las Virgenes Municipal Water District, a Municipal Water District of the State of California having a mailing address of 4232 Las Virgenes Road, Calabasas, CA. 91302-1994 (hereinafter referred to as "**Lessor**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 5405 Windward Parkway, Alpharetta, GA 30004 (hereinafter referred to as "**Lessee**").

1. Lessor and Lessee entered into a certain Communications Site Lease Agreement ("**Agreement**") on the ____ day of _____, 2013, for the purpose of installing, operating and maintaining a communications facility and other improvements. All of the foregoing are set forth in the Agreement.
2. The initial lease term will be ten (10) years ("**Initial Term**") commencing on the issuance of a permit allowing Lessee to construct its facilities on the Premises, with four (4) successive automatic five (5) year options to renew.
3. The portion of the land being leased to Lessee (the "**Premises**") is described in **Exhibit 1** annexed hereto.
4. This Memorandum of Lease is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Lease and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

ITEM 8A

IN WITNESS WHEREOF, the parties have executed this Memorandum of Lease as of the day and year first above written.

WITNESSES:

Print Name: _____

Print Name: _____

"LESSOR"

Las Virgenes Municipal Water District,
a Municipal Water District of the State of
California

By: _____
Name: _____
Its: _____
Date: _____

APPROVED AS TO FORM:

Legal Counsel

"LESSEE"

New Cingular Wireless PCS, LLC
a Delaware limited liability company,
By: AT&T Mobility Corporation
Its: Manager

Print Name: _____

Print Name: _____

By: _____
Name: _____
Its: _____
Date: _____

TENANT ACKNOWLEDGMENT

STATE OF CALIFORNIA)
)
COUNTY OF _____)

On _____ before me, _____, the undersigned, a Notary Public in and for said State, personally appeared

_____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

Name _____

(typed or printed)

(Seal)

LANDLORD ACKNOWLEDGMENT

STATE OF CALIFORNIA)
)
COUNTY OF _____)

On _____ before me, _____, the undersigned, a Notary Public in and for said State, personally appeared

_____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

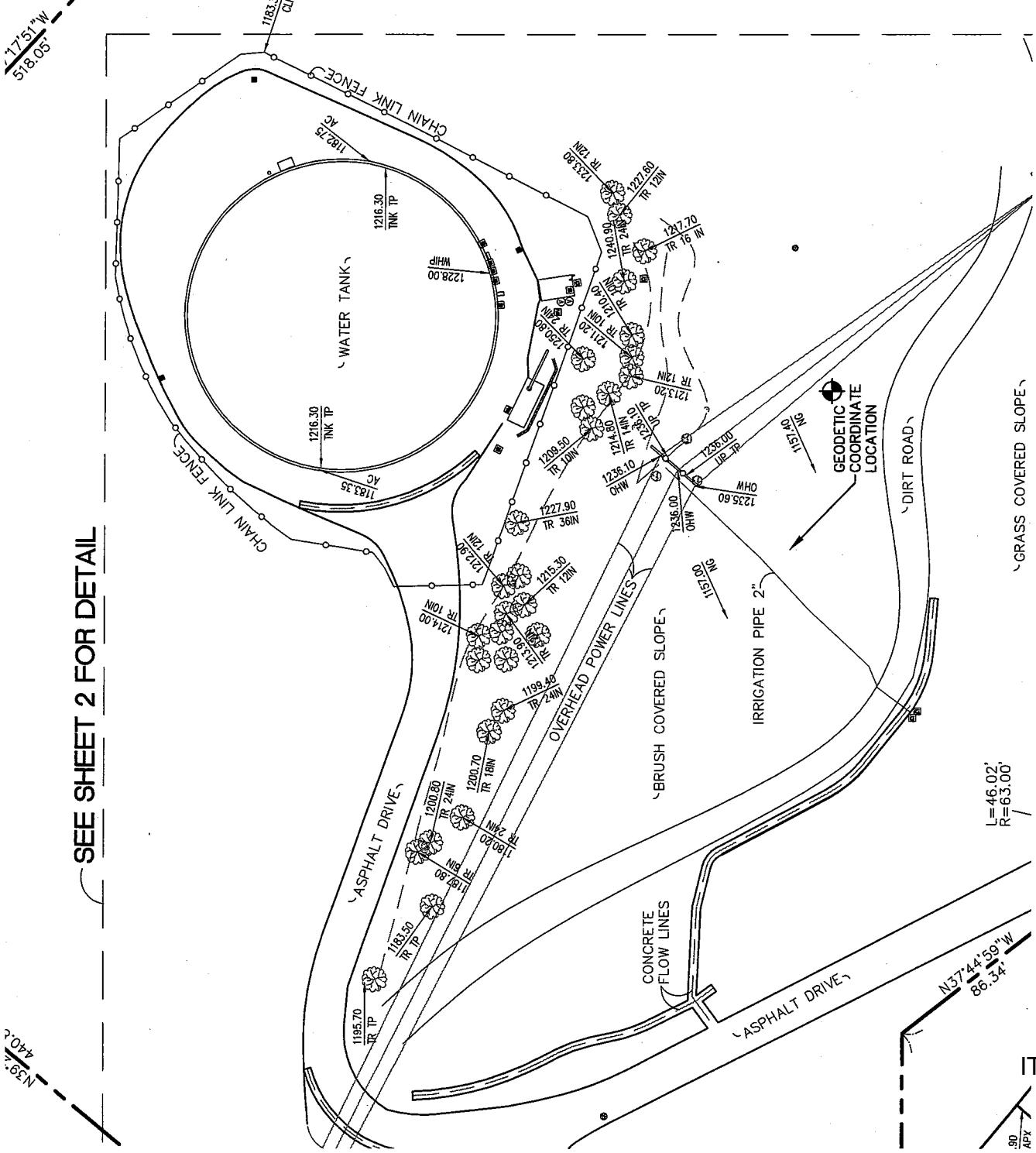
Signature _____

Name _____

(typed or printed)

(Seal)

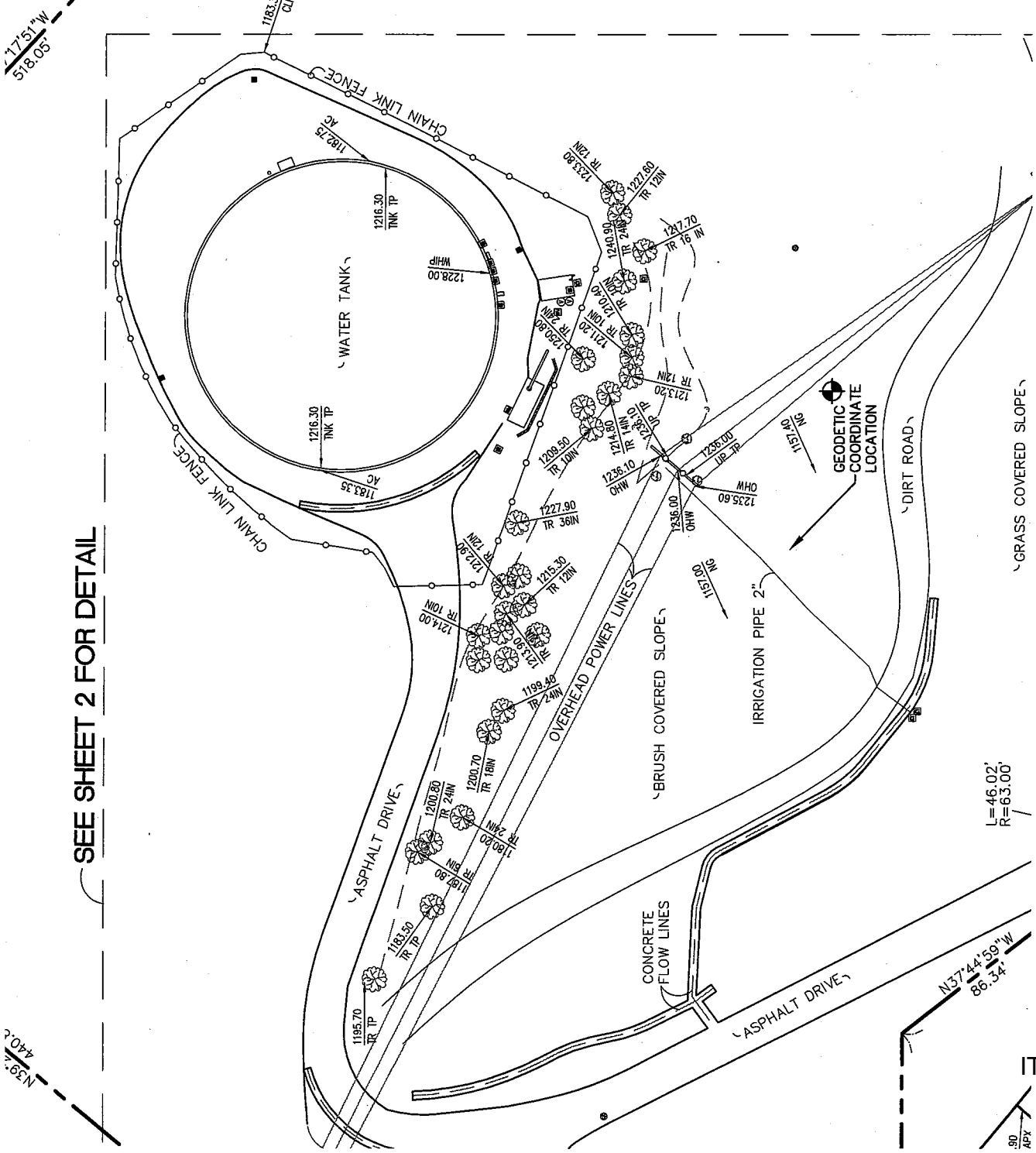
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A.P.N. 2056-029-901

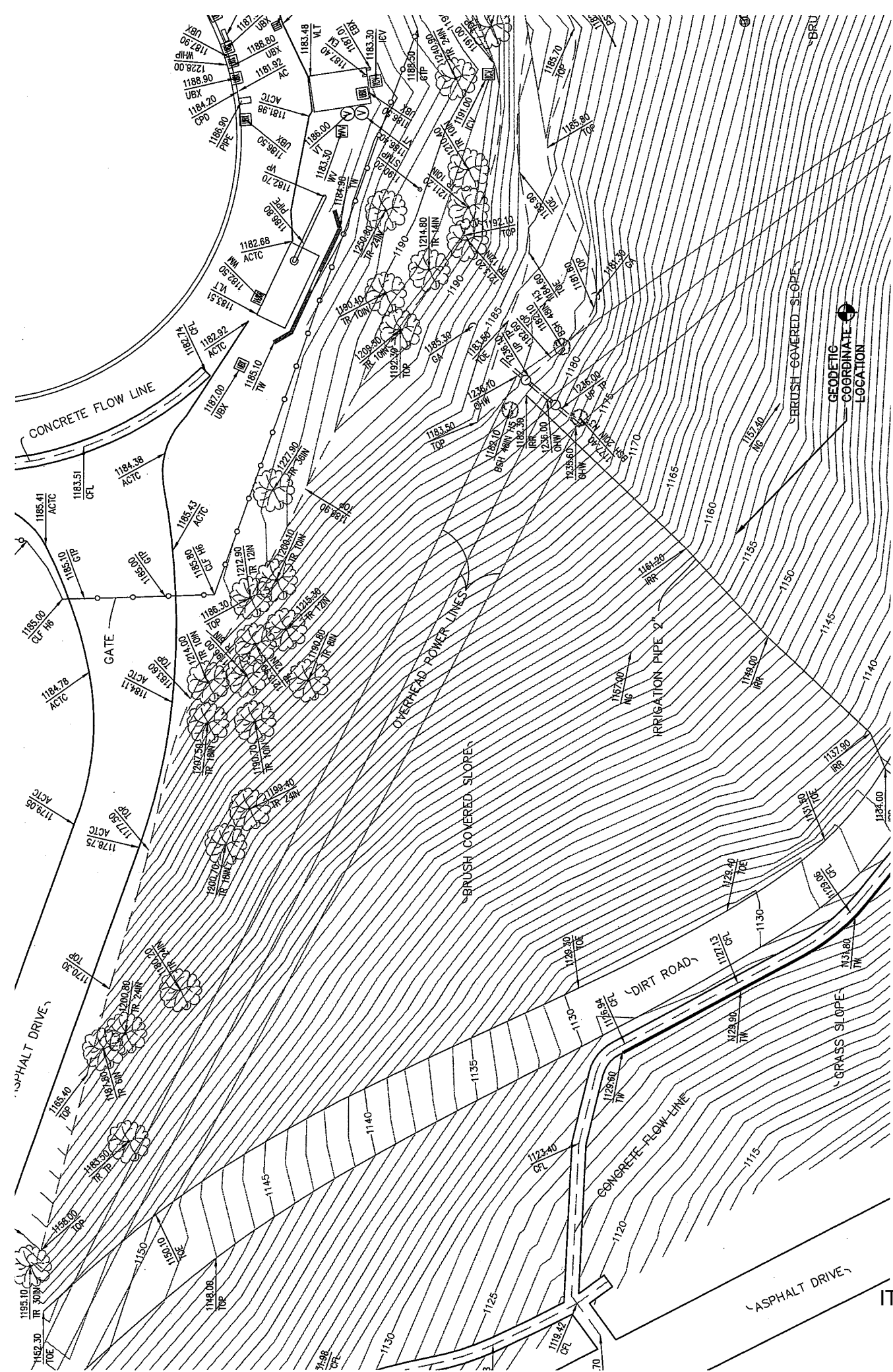


SEE SHEET 2 FOR DETAIL

L=46.02'
R=63.00'

ITEM 8A





ITEM 8A



12900 PARK PLAZA DRIVE
CERRITOS, CA 90703



BLACK & VEATCH
12750 CENTER COURT DRIVE
SUITE #600
CERRITOS, CA 90703

PROJECT NO: 26500707-1S



CES cable
engineering
services
PRESCOTT COMMUNICATIONS, INC.
18000 SEPULVEDA BLVD, SUITE 1, MILPITAS, CA 95028
Phone: (415) 947-6325 Fax: (415) 947-6328

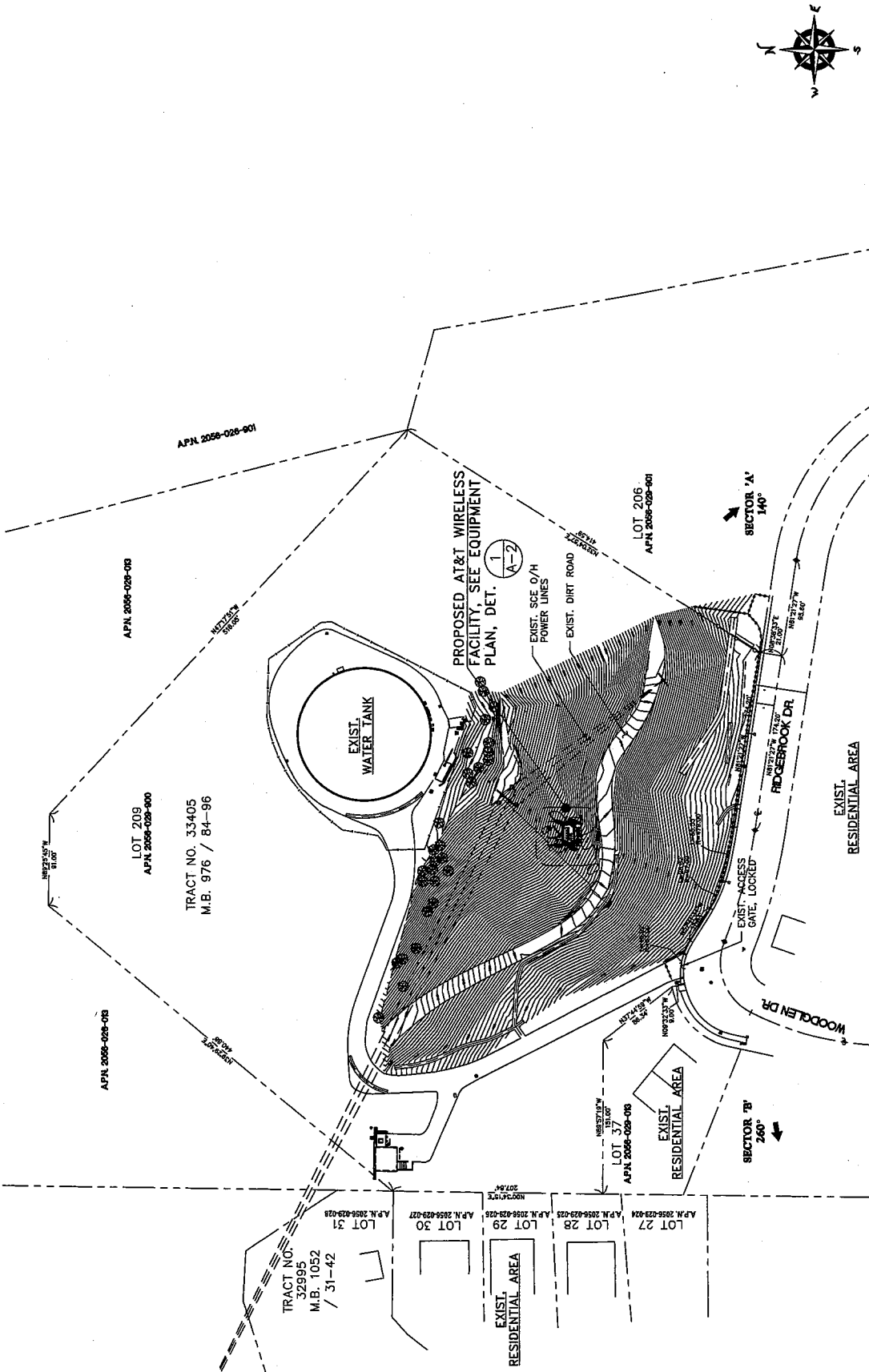
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1	07-29-13	NOT DSE, RE-ISSUED FOR ZONING
0	07-14-13	TORR 205, ISSUED FOR ZONING
B	06-22-13	ADDED LAYING, NOT ZONING
A	06-19-13	PRELIMINARY SITE ZONING

IT IS A VIOLATION OF LAW FOR ANY PERSON
OTHER THAN THE REGISTERED PROFESSIONAL ENGINEER
TO ALTER THIS DOCUMENT.

CLV2261
WOODGLEN DRIVE
& RIDGEBROOK DRIVE
AGOURA HILLS, CA 91301
STUB MOUNT

SHEET TITLE
SITE PLAN

SHEET NUMBER
A-1



SCALE: 1"=50'-0"

SITE PLAN

SYMBOL	DESCRIPTION
[Symbol]	FENCE
[Symbol]	WOOD/IRON FENCE
[Symbol]	LEASE AREA
[Symbol]	ICE BRIDGE
[Symbol]	CABLE TRAY
[Symbol]	WALL/PARTITION
[Symbol]	LONG TERM EVOLUTION
[Symbol]	TIME DIVISION MULTIPLE ACCESS
[Symbol]	CODE DIVISION MULTIPLE ACCESS
[Symbol]	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
[Symbol]	RRU: REMOTE RADIO UNIT
[Symbol]	TMA: TOWER MOUNTED AMPLIFIER
[Symbol]	CMU: CONCRETE MASONRY UNIT
[Symbol]	HMV: HEATING, VENTILATING AND AIR CONDITIONING

ACRONYM LEGEND

GRAPHICS LEGEND

ITEM 8A

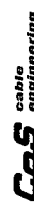


12800 PARK PLAZA DRIVE
CERRITOS, CA 90703



BLACK & VEATCH
12750 CENTER COURT DRIVE
SUITE #600
CERRITOS, CA 90703

PROJECT NO: 28560707-15



CES cable engineering services
FRESCOTT COMMUNICATIONS INC.
11600 SHERMAN WAY, SUITE 200
MILPITAS, CA 95035
PHONE NO: (415) 962-2332 FAX NO: (415) 962-8188

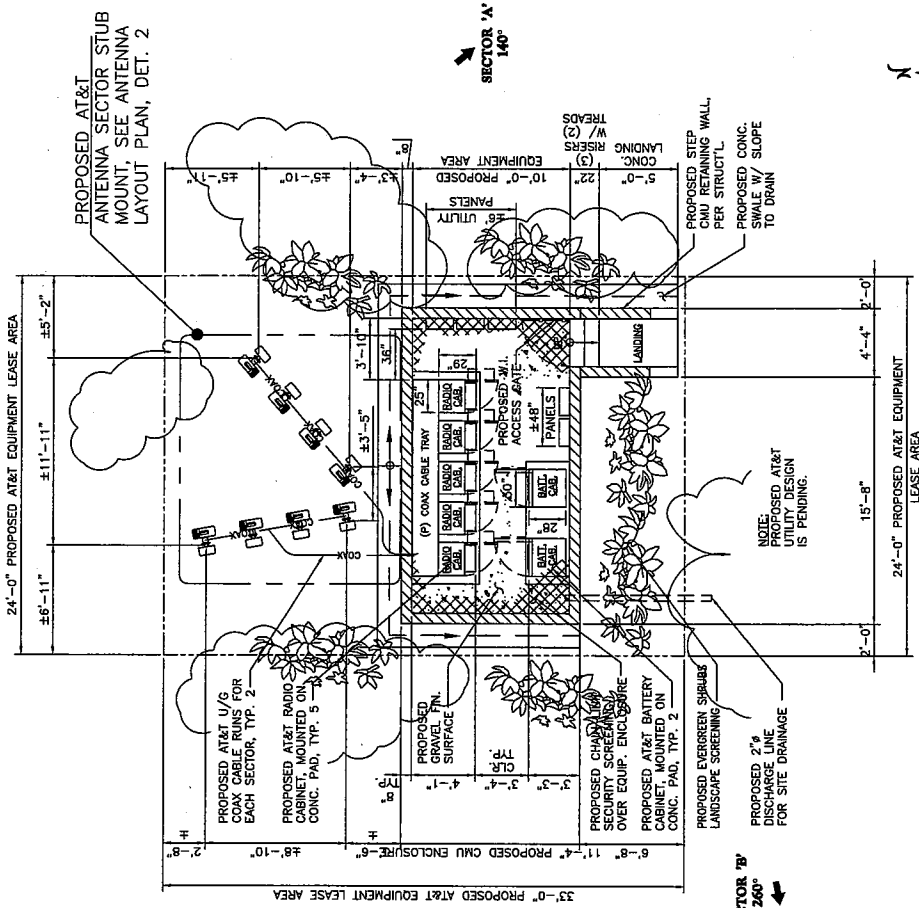
REV	DATE	DESCRIPTION
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2	07-29-13	ISSUED FOR TOWING
3	08-22-13	ISSUED FOR TOWING
4	08-22-13	ISSUED FOR TOWING
5	08-22-13	ISSUED FOR TOWING

IF YOU HAVE ANY QUESTIONS REGARDING THIS DRAWING, PLEASE CONTACT THE DESIGNER OR A REGISTERED PROFESSIONAL ENGINEER.
UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES.
ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

CLV2261
WOODGLEN DRIVE
& RIDGEROOK DRIVE
AGOURA HILLS, CA 91301
STUB MOUNT

SHEET TITLE
EQUIPMENT PLAN AND
ANTENNA LAYOUT PLAN

SHEET NUMBER
A-2



SCALE	1"=50'	
REV	DATE	DESCRIPTION
1		REVISIONS

ACRONYM LEGEND

GRAPHICS LEGEND

SYMBOL	DESCRIPTION
[Symbol]	LONG TERM SOLUTION
[Symbol]	FACILITY INTERFACE FRAME
[Symbol]	TIME DIVISION MULTIPLE ACCESS
[Symbol]	CODE DIVISION MULTIPLE ACCESS
[Symbol]	GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS
[Symbol]	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM

ITEM 8A

99



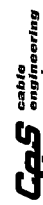
12800 PARK PLAZA DRIVE
CERRITOS, CA 90703



BLACK & VEATCH

12750 CENTER COURT DRIVE
SUITE #600
CERRITOS, CA 90703

PROJECT NO: 28500707-1S



ces cable engineering services
PRESSECO COMMUNICATIONS INC.
1460 Sepulveda Blvd., Mission Viejo, CA 92690
Phone: (714) 942-2200 Fax: (714) 942-2201

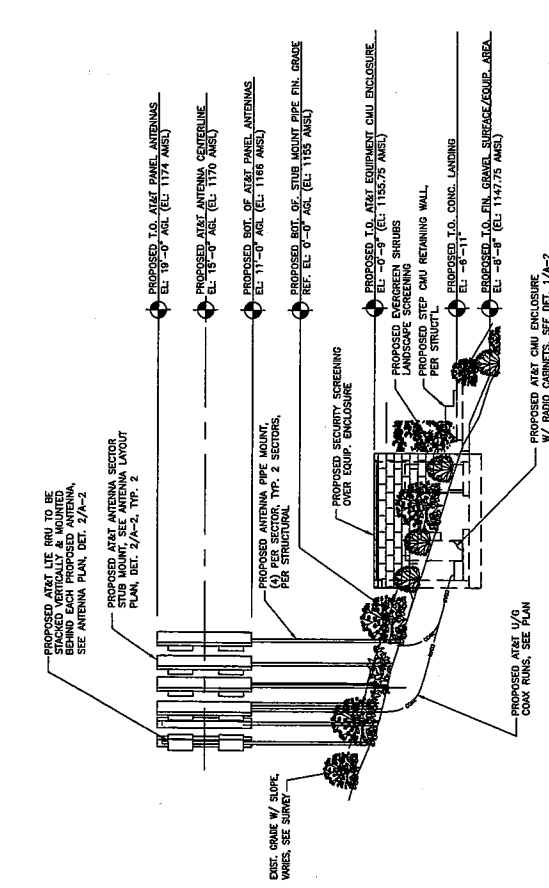
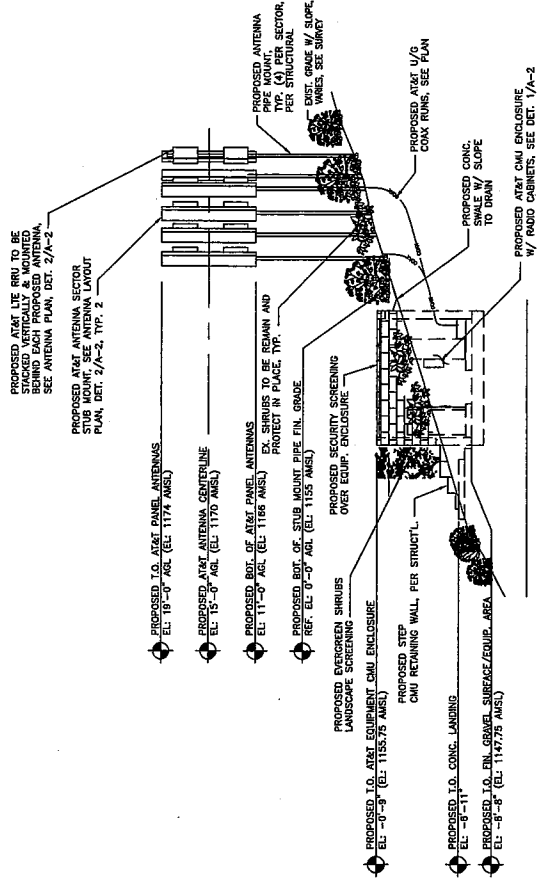
REV	DATE	DESCRIPTION
1	07-23-13	100% ZONING PERMITTED FOR ZONING
2	07-14-13	100% ZONING PERMITTED FOR ZONING
3	05-21-13	ADDED LAYOUTS, NOT ZONING
4	05-10-13	PRELIMINARY SET ZONING

IT IS A WARRANTY OF LAW FOR ANY PERSON,
OTHER THAN A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

CLV2261
WOODGLEN DRIVE
& RIDGEBROOK DRIVE
AGOURA HILLS, CA 91301
STUB MOUNT

SHEET TITLE
WEST ELEVATION
AND
EAST ELEVATION

SHEET NUMBER
A-3



SCALE: 1/8"=1'-0"

SCALE: 1/8"=1'-0"

SCALE: 1/8"=1'-0"

SCALE: 1/8"=1'-0"

SCALE: 1/8"=1'-0"

2

1

EAST ELEVATION

WEST ELEVATION



12500 PARK PLAZA DRIVE
CERRITOS, CA 90703



BLACK & VEATCH
12750 CENTER COURT DRIVE
SUITE #600
CERRITOS, CA 90703

PROJECT NO: 28500707-15

CES cable engineering services
PRESOTT COMMUNICATIONS INC.
10465 SHERBORN RD. S. 8. S. 10. MOUNTAIN VIEW, CA 94039
Phone No: (415) 952-2282 Fax No: (415) 952-8198

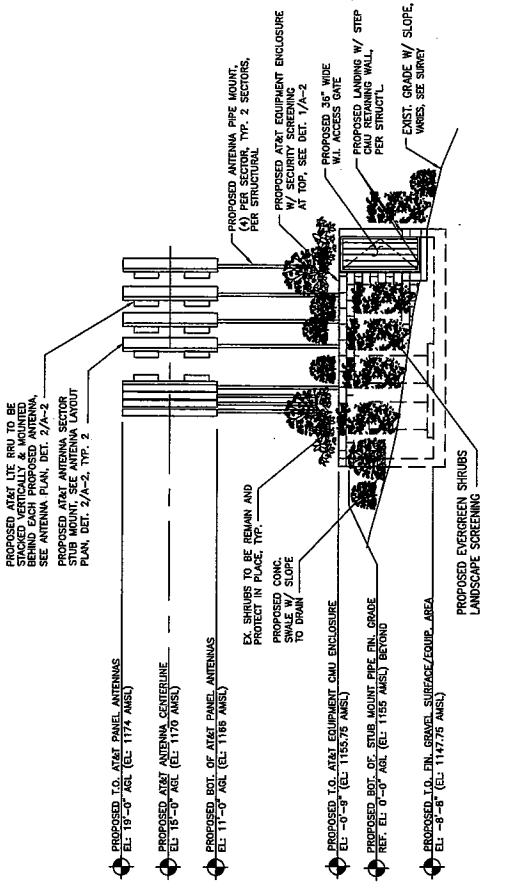
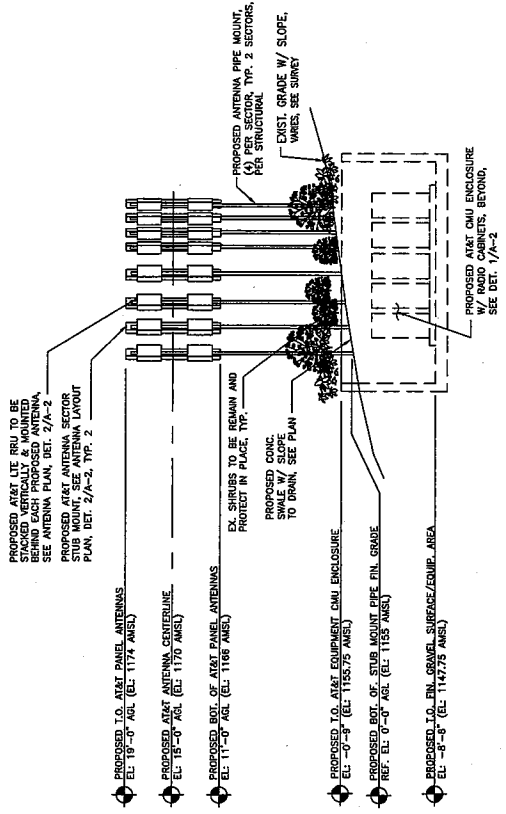
REV	DATE	DESCRIPTION
1	07-22-13	ISSUE FOR PERMITS
2	07-22-13	ISSUE FOR PERMITS
3	08-22-13	ADDED LAYOUTS, SPT ZONING
4	08-22-13	PRELIMINARY SPT ZONING

IT IS THE POLICY OF CES TO PROVIDE SERVICES TO CLIENTS UNLESS THEY ARE ACTIVE UNDER THE ORIGINATOR OF A LICENSED PROFESSIONAL ENGINEER.

CLV2261
WOODGLEN DRIVE
& RIDGEBROOK DRIVE
AGOURA HILLS, CA 91301
STUB MOUNT

SHEET TITLE
SOUTH ELEVATION
AND
NORTH ELEVATION

SHEET NUMBER
A-4



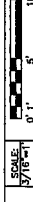
2



SCALE: 3/16"=1'

NORTH ELEVATION

1



SCALE: 3/16"=1'

SOUTH ELEVATION



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Twin Lakes Pump Station: Pump No. 1 Overhaul

SUMMARY:

In the adopted Fiscal Year 2012-13 Budget, staff included \$25,000 for the overhaul of Pump No. 1 at the Twin Lakes Pump Station. The District received three initial repair quotes: (1) California Centrifugal Pump, Inc. at \$10,906.00, (2) Vaughan's Industrial Repair at \$11,205.75, and (3) General Pump Company at \$13,927.40. The quotes were based on a standard pump overhaul as it is difficult to provide an exact cost until the pump is removed, disassembled, and inspected.

Based on the quotes, the pump was sent to California Centrifugal Pump for disassembly and inspection. Although still able to move water, the pump showed excessive vibrations during routine preventative maintenance inspections, indicating internal problems. California Centrifugal Pump documented the actual items needed for the complete pump overhaul, and staff recommends that the District proceed with the work.

RECOMMENDATION(S):

Waive formal bidding requirements for the overhaul of Pump No. 1 at Twin Lakes Pump Station; authorize the General Manager to issue a purchase order in the amount of \$33,109.39 to California Centrifugal Pump, Inc.; and appropriate additional funds in the amount of \$15,525 to complete the work.

FINANCIAL IMPACT:

The adopted Fiscal Year 2012-13 Budget included \$25,000 under CIP No. 10525 for repair of Pump No. 1 at the Twin Lakes Pump Station. Only a portion of these funds were encumbered to allow for use in Fiscal Year 2013-14. As a result, an additional appropriation in the amount of \$15,525 is required for CIP No. 10525 in Fiscal Year 2013-14 to complete the work.

DISCUSSION:

The pump was installed in 1966 and has reached the point where it needs to be overhauled and brought back to factory specifications. Following disassembly and inspection of the severely worn pump, it was discovered that the bowls, although worn, could be repaired. The impellers, shaft bushings and gland were in pretty good shape. The existing bowls are proposed to be sandblasted and epoxy coated. The impellers, wear rings and line shaft bushings are to be machined to factory specifications and a new shaft will be provided. The following options were explored:

1. Machining and other materials to overhaul the pump for \$33,109.39
2. Purchasing new bowls and necessary machining/materials for \$40,222.00
3. Purchase a new pump at a cost of \$61,958.92

Staff recommends Option No. 1, which includes machining and repairing the existing pump components in the amount of \$33,109.39.

At the August 27, 2013 Board meeting, this item was tabled to provide staff with additional time to answer the following questions.

How long does a pump like this normally last?

With proper maintenance, the life span of this type of pump is up to 50 years.

How old is the pump and when was it last rebuilt?

The pump was originally installed in 1966 and staff has no record of it being rebuilt. A new motor was installed in 1990 when LADWP switched the primary station voltage from 2300 to 4160 VAC. The motor was cleaned, dipped and baked and had new bearings installed in anticipation of this pump overhaul.

What is the likely cause of excessive pump wear?

The wear is commensurate with the age of the pump.

Do we have SCE hydraulic efficiency test results for the pump to determine "payback period"? If so, what is the payback period for the three different repair/replacement options?

The District does take advantage of the SCE Hydraulic Efficiency Testing Program; however, this pump station is in LADWP's service area and they do not offer such a program. The payback period for the three options will be similar because each results in similar wire-to-water or overall plant efficiency, which is the combined efficiency of the motor and pump unit under system operating conditions.

Should we consider full replacement of the pump instead of rebuild/matching bowls?

Not in this case. The pump components can be rebuilt, resulting in the same efficiency as a new pump, at a savings of \$28,849.53 compared to the replacement cost. With a rebuilt pump, reconditioned motor, proper installation and alignment, and the District's professional maintenance program, the pump can potentially last another 47 plus years.

Staff will be available at the Board meeting to answer additional questions and provide more information on the District's on-going Pump Maintenance Program.

Prepared By: Darrell Johnson, Facilities Supervisor



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: General Liability and Property Insurance Renewal

SUMMARY:

Tolman & Wiker Insurance Services, LLC, the District's insurance broker, has prepared a proposal for renewal of the District's general liability and property insurance policies, which are due for renewal on October 1, 2013. Agronaut Insurance Company is recommended to continue as the District's main insurance carrier; staff has been very pleased with the service and coverage provided by Agronaut.

The total insurance package cost is \$746,413 for the term of October 1, 2013, through October 1, 2014, which is \$24,061 or 3% higher than the previous year. Staff recommends the Board approve the proposal as submitted by Tolman & Wiker. Jeff Dodds and Joanne Marshall of Tolman & Wiker plan to attend the Board meeting to discuss the insurance environment and answer any questions about the proposal.

RECOMMENDATION(S):

Approve the insurance proposal by Tolman & Wiker Insurance Services, LLC in the amount of \$746,412.80, for the term of October 1, 2013, through October 1, 2014.

FINANCIAL IMPACT:

The adopted Fiscal Year 2013-14 Budget included \$1,044,260 for general liability and property insurance. The amount reflects the historically higher cost of insurance without the higher deductible coverages provided by Argonaut. The total insurance premium as proposed is \$746,413, which is substantially below budget. The difference between the budgeted and actual amounts can be utilized to pay for out-of-pocket costs associated with claims within the self-insurance retention.

DISCUSSION:

Tolman & Wiker issued a request for quotes to AIG/Chartis, Zurich and our former carrier, Glatfelter (previously known as Rural Special District Insurance), but the insurers could not meet the coverage or pricing that we currently receive from Argonaut Insurance Company.

The proposed insurance costs, compared to the prior year, are as follows:

Insurance Coverage	Carrier	10/1/12 to 09/30/13	Proposed Premium	% Change
Property	Argonaut	\$107,536	\$110,405	2.7
Earthquake/Flood	Empire Indemnity and Princeton E&S	198,758	198,419	-0.2
General Liability	Argonaut	104,972	136,290	29.8
Management and Public Officials Liability	Argonaut	25,210	30,809	22.2
Auto	Argonaut	61,998	50,901	-17.9
Stop Loss Premium	Argonaut	1,590	7,897	400.0
Crime	Zurich	8,230	8,230	0
Excess Liability (up to \$11 M)	Argonaut	79,495	66,337	-16.6
Excess Liability (>\$11 M to \$36 M)	RUSI	91,000	91,000	0
Excess Liability (>\$36 M to \$61 M)	Arch	43,563	46,125	5.9
Total		\$722,352	\$746,413	3.3%

The District also received quotes for terrorism insurance; however, staff does not recommend purchasing a terrorism policy at this time.

Prepared By: Sandra Hicks, Director of Finance & Administration

ATTACHMENTS:

[LVMWD Insurance Proposal](#)

Robert E. Acquistapace
Gregory C. Anderson
Shawn E. Carson
Steven W. Carter
Raymond M. Clem
Dennis W. Corte
Ronald F. Cossa
Jeffrey G. Dann
Judith M. Diaz
Jeffrey T. Dodds



106
John A. Feliciano
Kipton Keller
Shaun M. Kelly
Joan M. Kirchhof
David L. Rucker
David R. Shore
Denise D. Sutton
Richard W. Toohey
Gregory W. Van Ness
Barbara J. Ward

**PROPOSAL FOR:
LAS VIRGENES MUNICIPAL
WATER DISTRICT**

POLICY TERM: 10/1/2013 – 10/1/2014

Presented by:

**Jeffrey T. Dodds
Managing Member**

September 11, 2013

196 SOUTH FIR STREET, P.O. BOX 1388, VENTURA, CALIFORNIA 93002-1388 | PHONE 805-585-6100 | FAX 805-585-6200

BAKERSFIELD | SALINAS | SANTA MARIA | VENTURA

www.tolmanandwiker.com

CDI LICENSE: OE52073

ITEM 9A

	EXPIRING 2012-2013	RENEWAL 2013-2014
Coverage/Policy Type	Carrier/AM Best Rating Limits & Coverages	Carrier/AM Best Rating Limits & Coverages
Property	<p>Argonaut Insurance Co. A XII, Admitted 115,499,922 Real and Personal Property 50,000 deductible</p> <p>Business Income: 1,000,000 Extra Expense: 1,000,000 Accounts Receivable: 250,000 on premises / 10,000 in transit Fine Arts: 100,000 per occurrence / 5,000 per item Property in Transit: 100,000 Valuable Papers and Records: 250,000 on premises / 50,000 off premises Outdoor Property: 50,000 Trees, shrubs, plants and lawns: included in Outdoor Property Water Plus 360 endorsement to be added Building Ordinance or Law: Demolition Costs and/or Undamaged Portion of Building: \$10,000,000 Increased Cost of Construction: 10% of the building value as shown on the schedule</p>	<p>Argonaut Insurance Co. A XII, Admitted 118,988,344 Real and Personal Property 50,000 deductible</p> <p>Business Income: 1,000,000 Extra Expense: 1,000,000 Accounts Receivable: 250,000 on premises / 10,000 in transit Fine Arts: 100,000 per occurrence / 5,000 per item Property in Transit: 100,000 Valuable Papers and Records: 250,000 on premises / 50,000 off premises Outdoor Property: 50,000 Trees, shrubs, plants and lawns: included in Outdoor Property Water Plus 360 endorsement to be added Building Ordinance or Law: Demolition Costs and/or Undamaged Portion of Building: \$10,000,000 Increased Cost of Construction: 10% of the building value as shown on the schedule</p>
Premium	\$107,536.00 plus \$3,226 Optional Terrorism	\$110,405.00 plus \$3,777 Optional Terrorism
Scheduled Equipment	Argonaut Insurance Co. A XII, Admitted	Argonaut Insurance Co. A XII, Admitted
Limits	<p>Inland Marine/Contractors Equipment - 922,607 50,000 Deductible Contractor's Equipment Coverage Form to be attached Covered property under Contractor's Equipment Coverage Form includes your equipment and tools Employees' tools included at 250 any one employee/1,000 all employees Borrowed Equipment limit increased to 250,000 Equipment Leased or Rented From Others increased to 250,000 (up to 12 months in your CCC) Contractor's Equipment Boom Exclusion to be attached – see Specimen</p>	<p>Inland Marine/Contractors Equipment – 850,000 50,000 Deductible Contractor's Equipment Coverage Form to be attached Covered property under Contractor's Equipment Coverage Form includes your equipment and tools Employees' tools included at 250 any one employee/1,000 all employees Borrowed Equipment limit increased to 250,000 Equipment Leased or Rented From Others increased to 250,000 (up to 12 months in your CCC) Contractor's Equipment Boom Exclusion to be attached – see Specimen</p>
Premium	Included	Included

LAS VIRGENES MUNICIPAL WATER DISTRICT 2013 PROPOSAL SUMMARY

	EXPIRING 2012-2013	RENEWAL 2013-2014
Coverage/Policy Type	Carrier/AM Best Rating Limits & Coverages	Carrier/AM Best Rating Limits & Coverages
EDP Computer Protection	Argonaut Insurance Co. A XII, Admitted Included in Limit	Argonaut Insurance Co. A XII, Admitted Included in Limit
Premium	Included	Included
Equipment Breakdown	Argonaut Insurance Co. A XII, Admitted	Argonaut Insurance Co. A XII, Admitted
Limit/Deductible	100,000,000 limit with 50,000 Deductible Sublimits: 1,000,000 as respects the following: Ammonia / Refrigeration Contamination Perishable Goods Spoilage Expediting Expenses Hazardous Substances Data Restoration 250,000 as respects the following coverage: Demolition and Increased Cost	100,000,000 limit with 50,000 Deductible Sublimits: 1,000,000 as respects the following: Ammonia / Refrigeration Contamination Perishable Goods Spoilage Expediting Expenses Hazardous Substances Data Restoration 250,000 as respects the following coverage: Demolition and Increased Cost
Premium	Included	Included
DIC Earthquake/Flood	Empire Indemnity 83.33% - Non-Admitted A XV** Princeton E&S 16.67% - Non Admitted A + XV**	Empire Indemnity 83.33% - Non-Admitted A XV** Princeton E&S 16.67% - Non Admitted A + XV**
Limits	30,000,000 Total Limit, Covers Buildings, BPP and EDP	30,000,000 Total Limit, Covers Buildings, BPP and EDP
Deductible	Earthquake - 15% Deductible – Maximum 4,500,000 for 30,000,000 loss, Minimum \$50,000, All Other Perils 25,000 Flood – Excludes Tapia in first 5,000,000 layer. Deductible for Flood is \$100,000 except Tapia is 15% per building – subject to \$100,000 minimum after the first 5,000,000 layer.	Earthquake - 15% Deductible – Maximum 4,500,000 for 30,000,000 loss, Minimum \$50,000, All Other Perils 25,000 Flood – Excludes Tapia in first 5,000,000 layer. Deductible for Flood is \$100,000 except Tapia is 15% per building – subject to \$100,000 minimum after the first 5,000,000 layer.
Premium	\$183,000.00 Premium \$400.00 Policy Fee \$240.00 Inspection Fee \$5,968.30 Surplus Taxes/Fees \$9,150.00 Surplus Broker Fee \$198,758.30 Total Terrorism available for \$91,500.00	\$183,000.00 Premium \$400.00 Policy Fee \$ 0.00 Inspection Fee \$5,868.80 Surplus Taxes/Fees \$9,150.00 Surplus Broker Fee \$198,418.80 Total Terrorism available for \$91,500.00

	EXPIRING 2012-2013	RENEWAL 2013-2014
Coverage/Policy Type		
General Liability	Argonaut Insurance Co. A XII, Admitted	Argonaut Insurance Co. A XII, Admitted
	Water Plus 360 endorsement included; Includes Professional Liability; Sewer Backup; Pollution; Terrorism; Employee Benefits Liability;	Water Plus 360 endorsement included; Includes Professional Liability; Sewer Backup; Pollution; Terrorism; Employee Benefits Liability;
Limits	1,000,000 Premises Operations – Per Occurrence 1,000,000 Personal and Advertising Injury 1,000,000 Damages to Premises Rented By You 3,000,000 General Aggregate Per Location 3,000,000 Products Completed Operations Aggregate	1,000,000 Premises Operations – Per Occurrence 1,000,000 Personal and Advertising Injury 1,000,000 Damages to Premises Rented By You 3,000,000 General Aggregate Per Location 3,000,000 Products Completed Operations Aggregate
Pollution Coverage	Pollution Exclusion Exceptions for: Hostile Fire, Heating/Air Conditioning, Mobile Equipment, Pesticides/Herbicides, Water and Sewer operations Pollution Exclusion carve-back for Rancho Compost Products Liability.	Pollution Exclusion Exceptions for: Hostile Fire, Heating/Air Conditioning, Mobile Equipment, Pesticides/Herbicides, Water and Sewer operations Pollution Exclusion carve-back for Rancho Compost Products Liability.
Deductible	\$50,000 SIR Occurrence/Aggregate	\$50,000 SIR Occurrence/Aggregate
General Liability Premium	\$104,972.00	\$136,290.00
	Stop Loss of \$200,000 (max payout- all claims- all lines of coverage)	Stop Loss of \$200,000 (max payout- all claims- all lines of coverage)
Stop Loss Premium	\$1,590.00	\$7,897.00
Management Liability/ Public Officials Liability	Argonaut Insurance Co. A XII, Admitted Includes coverage for: Wrongful Acts, Employment Practices, Employee Benefits Administration, Inverse Condemnation. Includes Failure to Supply – Services and Board decisions.	Argonaut Insurance Co. A XII, Admitted Includes coverage for: Wrongful Acts, Employment Practices, Employee Benefits Administration, Inverse Condemnation. Includes Failure to Supply – Services and Board decisions.
Limits	1,000,000 Per occurrence 1,000,000 Aggregate	1,000,000 Per occurrence 1,000,000 Aggregate
Deductible/SIR	50,000 SIR	50,000 SIR
Management Liability Premium	\$25,210.00	\$30,809.00
Auto Liability	Argonaut Insurance Co. A XII, Admitted	Argonaut Insurance Co. A XII, Admitted
Limits	1,000,000 Combined Single Limit Owned Auto Liability 1,000,000 Per Accident Hired & Non-owned Auto 1,000,000 Per Accident Uninsured/Underinsured 10,000 Deductible per Accident	1,000,000 Combined Single Limit Owned Auto Liability 1,000,000 Per Accident Hired & Non-owned Auto 1,000,000 Per Accident Uninsured/Underinsured 10,000 Deductible per Accident
Auto Liability Premium	\$61,998.00	\$50,901.00
Total Liability Premium	\$193,770.00 plus \$5,534 Optional Terrorism	\$225,897.00 plus \$6,116 Optional Terrorism

	EXPIRING 2012-2013	RENEWAL 2013-2014
Crime	Zurich - Fidelity and Deposit Co of Maryland – A XV Admitted	Zurich - Fidelity and Deposit Co of Maryland – A XV Admitted
Limits	3,000,000 Employee Dishonesty 3,000,000 Forgery or Alteration 100,000 Theft, Disappearance & Destruction 1,000,000 Computer Fraud 1,000,000 Funds Transfer Fraud 3,000,000 Faithful Performance of Duty	3,000,000 Employee Dishonesty 3,000,000 Forgery or Alteration 100,000 Theft, Disappearance & Destruction 1,000,000 Computer Fraud 1,000,000 Funds Transfer Fraud 3,000,000 Faithful Performance of Duty
Deductible	25,000 Employee Theft and Forgery or Alteration 10,000 all other coverages	25,000 Employee Theft and Forgery or Alteration 10,000 all other coverages
Premium	\$8,230.00 Options: 3 Year Policy - Equal Annual Installment \$8,627 3 Year Pre-paid \$24,615	\$8,230.00 Options: 3 Year Policy - Equal Annual Installment \$8,627 3 Year Pre-paid \$24,615

	EXPIRING 2012-2013	RENEWAL 2013-2014
Excess Liability	Argonaut Insurance Co. A XII, Admitted Excess of underlying Liability Limits: Includes Sewer Backup, Failure to Supply, Professional Liability, Dam Failure; Inverse Condemnation; Terrorism	Argonaut Insurance Co. A XII, Admitted Excess of underlying Liability Limits: Includes Sewer Backup, Failure to Supply, Professional Liability, Dam Failure; Inverse Condemnation; Terrorism
Excess Limit	10,000,000 Excess of 1,000,000	10,000,000 Excess of 1,000,000
Exclusions Include, but are not limited to:	No Dam Failure Exclusion	No Dam Failure Exclusion
Premium	\$79,495.00	\$66,337.00
Excess Liability	RSUI Indemnity Company - A XIII; Admitted	RSUI Indemnity Company - A XIII; Admitted
Excess Limit	25,000,000 Excess of 11,000,000 for total of 36,000,000	25,000,000 Excess of 11,000,000 for total of 36,000,000
Exclusions Include but are not limited to:	Exclusions: Asbestos, D&O, EPLI, Terrorism, Eminent Domain or Condemnation, Failure to Supply, Professional Services, Public Officials, Uninsured or Underinsured Motorists; Inverse Condemnation; Dam Failure	Exclusions: Asbestos, D&O, EPLI, Terrorism, Eminent Domain or Condemnation, Failure to Supply, Professional Services, Public Officials, Uninsured or Underinsured Motorists; Inverse Condemnation; Dam Failure
Premium	\$91,000.00 Premium Terrorism Available for \$13,650.00	\$91,000.00 Premium Terrorism Available for \$13,650.00
Excess Liability	Arch Insurance Co. -- A+ XV; Admitted	Arch Insurance Co. -- A+ XV; Admitted
Excess Limit	25,000,000 Excess of 36,000,000 for a total of 61,000,000	25,000,000 Excess of 36,000,000 for a total of 61,000,000
Exclusions Include but are not limited to:	Lead, Silica, Fungi and Bacteria, Earth Movement or Subsidence, Errors & Omissions, EPLI, D&O, Failure to Supply, Punitive Damages, Communicable Disease, Discrimination, Eminent Domain/Condemnation, Dam Failure; Inverse Condemnation	Lead, Silica, Fungi and Bacteria, Earth Movement or Subsidence, Errors & Omissions, EPLI, D&O, Failure to Supply, Punitive Damages, Communicable Disease, Discrimination, Eminent Domain/Condemnation, Dam Failure; Inverse Condemnation
Premium	\$42,500.00 Premium \$1,063.00 Broker Fee \$43,563.00 Total	\$45,000.00 Premium \$1,125.00 Broker Fee \$46,125.00 Total
	(Terrorism available for additional Premium of \$5,000.00)	(Terrorism available for additional Premium of \$5,000.00)
Total Premiums Paid	\$722,352.30	\$746,412.80

** Carrier is non-admitted.

Deductibles / Retentions

<u>Coverage</u>	<u>Alteris</u> (Expiring)	<u>Alteris</u> (Proposed)
Property	50,000	50,000
Scheduled Equipment	50,000	50,000
Equipment Breakdown	50,000	50,000
DIC- Earthquake*	15% of claim, per unit	15% of claim, per unit
DIC- Flood*	100,000	100,000
General Liability	50,000	50,000
Management Liability	50,000	50,000
Auto- Liability	10,000	10,000
Auto- Physical Damage	10,000	10,000
Crime	25,000	25,000
*: see details on quote		
Deductible Stop Loss (maximum deductible- all lines of coverage)	200,000	200,000

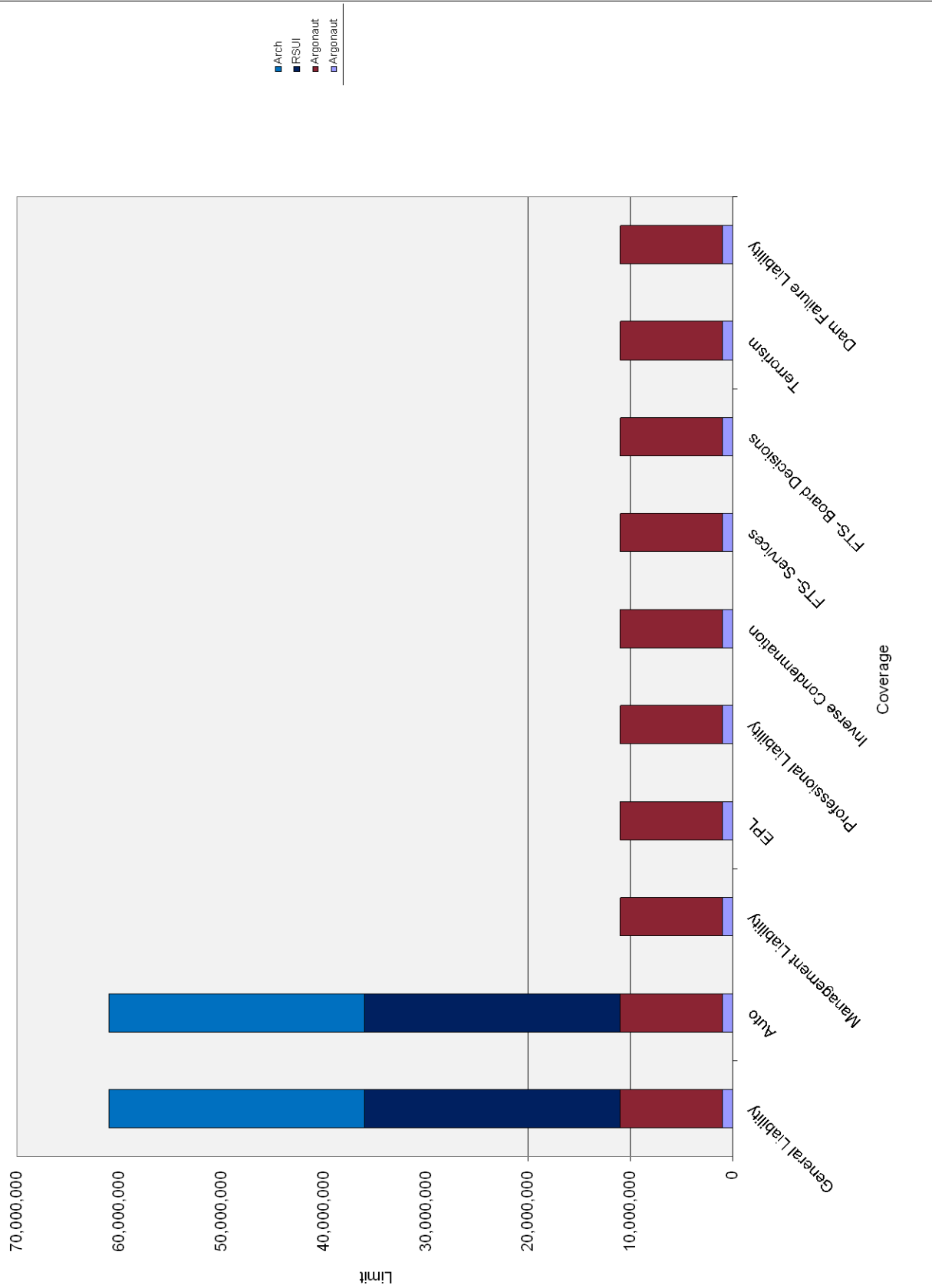
Premium Summary 2013-2014

<u>Coverage</u>	<u>Expiring</u>	<u>Renewal</u>
Property	107,536.00	110,405.00
Scheduled Equipment	Included	Included
EDP	Included	Included
Equipment Breakdown	Included	Included
DIC (Earthquake & Flood)	198,758.30	198,418.80
General Liability	104,972.00	136,290.00
Stop Loss Aggregate	1,590.00	7,897.00
Management Liability	25,210.00	30,809.00
Auto	61,998.00	50,901.00
Crime	8,230.00	8,230.00
Excess Liability (First Layer: 10M x 1M)	79,495.00	66,337.00
Excess Liability (Second Layer: 25M x 11M)	91,000.00	91,000.00
Excess Liability (Third Layer: 25M x 3M)	<u>43,563.00</u>	<u>46,125.00</u>
Total	722,352.30	746,412.80

Features:

Earthquake & Flood	Covered	Covered
Dam Liability	Covered	Covered
Inverse Condemnation	Covered	Covered
Failure To Supply- Services	Covered	Covered
Failure To Supply- Board Decisions	Covered	Covered
Multi-Year Commitment	No	No
Program Exit Conditions	None	None
Retrospective Premium Adjustment	No	No

ALTERIS PROGRAM LIMITS



ITEM 9A

Robert E. Acquistapace
Gregory C. Anderson
Shawn E. Carson
Steven W. Carter
Raymond M. Clem
Dennis W. Corte
Ronald F. Cossa
Jeffrey G. Dann
Judith M. Diaz
Jeffrey T. Dodds



115
John A. Feliciano
Kipton Keller
Shaun M. Kelly
Joan M. Kirchhof
David L. Rucker
David R. Shore
Denise D. Sutton
Richard W. Toohy
Gregory W. Van Ness
Barbara J. Ward

ABOUT THE INSURANCE CARRIER & PROGRAM



Alteris Public Risk Solutions provides products and services to large individual governmental entities and self-insured governmental pools. Using both traditional and creative approaches, APRS aligns interests with its clients by targeting sophisticated accounts who participate in the risk bearing. Alteris Public Risk Solutions provides unbundled alternative risk structures supporting both carriers and program managers.



Alteris, Inc., is part of **Argo Group International Holdings, Ltd.**, an international underwriter of specialty insurance and reinsurance products in the property and casualty market with a total capitalization of \$2 Billion. Argo Group's insurance subsidiaries are rated 'A' (Strong) by S&P and 'A' (Excellent) by AM Best. In addition, reinsurance support for the program is provided by Swiss Reinsurance of America and Travelers Re. Both organizations deliver solid financial support and service to policyholders.

Issuing Company:

Argonaut Insurance Company

196 SOUTH FIR STREET, P.O. BOX 1388, VENTURA, CALIFORNIA 93002-1388 | PHONE 805-585-6100 | FAX 805-585-6200

BAKERSFIELD | SALINAS | SANTA MARIA | VENTURA

www.tolmanandwiker.com

CDI LICENSE: 0E52073

ITEM 9A



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Call for Bids: Below Ground Vault Access Cover Retrofit Program

SUMMARY:

Currently, the District has 85 below ground vaults for meters and valves at various locations throughout the District that are in significant need of repair. Many of the District's metering structure vaults were acquired over the past 50+ years and have lids with severely corroded hinges, torsion bars and cross beams. Numerous attempts have been made to address the condition of these vaults and lids over the years, including replacing cross beams and swapping the steel lids with aluminum ones. However, none of the repairs have effectively remedied the problems with the lids.

Due to size and weight, removal of the lids normally requires two persons with hooks to lift the lids and access the vault. The deteriorated lids are very heavy and difficult to remove while adhering to current safety requirements for confined space, back injury prevention, and ergonomics. As a result, removal and handling of the lids poses a significant risk of injury to employees. Additionally, the deteriorated lids can also pose a potential hazard to the public due to uneven surfaces and risk of failure.

The District currently has the following three different types of surface security lids and covers for its cast and precast vaults:

1. Loose (non-hinged) steel and aluminum plates - These plates range in weight from approximately 30 lbs. to 150 lbs. each. The loose individual parts require two persons with lifting tools to communicate with one another to perform a safely coordinated procedure to obtain access.
2. Hinged composite and steel plates - The hinges for these covers are generally corroded and/or damaged, requiring some lifting.
3. Manhole style covers - The covers are typically used for vaults within the traveled way and have limited access to equipment.

Staff proposes to seek bids for the design and manufacture of access covers and lids suitable for retrofit of the existing vaults over a three-year period. The work involves replacing the vault lids without modifying or replacing the vaults. Custom vault dimensions are provided to allow for vendors to accurately estimate the cost of the manufacturing the lids.

RECOMMENDATION(S):

Approve the Notice Inviting Sealed Proposals and proposed bid schedule for the Below Ground Vault Access Cover Retrofit Program.

FINANCIAL IMPACT:

In an effort to minimize the financial impact of the project, the work is proposed over a three-year period. The contract award will be based on the total bid price for the project with the cost spread over three years. The adopted Fiscal Year 2013-14 Budget includes \$166,750 for the project, which is sufficient for the first year's order. Subsequent orders for the two remaining years will be at the District's option based on product quality and vendor performance, while the bid pricing shall remain firm. Funds for the remaining two years of work, currently estimated to be \$166,000 per year, will be proposed Fiscal Years 2014-15 and 2015-16

budgets.

DISCUSSION:

Bids will be requested according to the following schedule:

Board Authorization: Tuesday, September 24, 2013

First Newspaper Advertisement: Monday, September 30, 2013

Second Newspaper Advertisement: Monday, October 7, 2013

Optional Site Walk: Tuesday, October 15, 2013; 10:00 a.m.

Bid Opening: Thursday, October 24, 2013; 2:00 p.m.

Award of Contract: Tuesday, November 12, 2013

The successful bidder will be awarded a contract based on a combination of pricing and proposal responsiveness to the bid specifications. Product performance, vendor reliability and customer service will be assessed prior to placing subsequent orders.

Prepared By: Gretchen Bullock, Buyer

ATTACHMENTS:

[Vault Access Cover Bid Notice](#)

NOTICE INVITING SEALED PROPOSALS (BIDS)
FOR SUPPLY AND DELIVERY OF
BELOW GROUND VAULT ACCESS COVER RETROFIT
FOR
LAS VIRGENES MUNICIPAL WATER DISTRICT

NOTICE IS HEREBY GIVEN that the Board of Directors of Las Virgenes Municipal Water District invites and will receive sealed proposals (bids) up to the hour of **2:00 P.M. on Tuesday, October 24, 2013** for the manufacture and delivery of 85 Below Ground Vault Access Covers. Bids received after the time stated in the Call for Bids will not be accepted and will be returned, unopened, to the bidder. The time shall be determined by the time on the receptionist telephone console in our Headquarters lobby. Proposals will be publicly opened and read aloud at the office of the District, 4232 Las Virgenes Road, Calabasas, California.

Said bids shall conform to and be responsive to the Instructions to Bidders, Specifications, and Bid Documents for said work as heretofore approved by the District.

Each bid must be on the original District bid form and shall be sealed and filed with the secretary of the District at or before the time stated in this Notice.

All terms and conditions contained in the Instruction to Bidders, Specifications, and Bid Documents shall become part of the contract. The Board of Directors of Las Virgenes Municipal Water District reserves the right to reject any and all bids and to waive any and all irregularities in any bid. No bidder may withdraw their bid after the said time for bid openings until 60 days thereafter or until the District has made a final award to the successful bidder or has rejected all bids, whichever event first occurs.

The Board of Directors of the District reserves the right to select the schedule(s) under which the bids are compared and contract(s) are awarded.

**BY ORDER OF THE BOARD OF DIRECTORS OF
LAS VIRGENES MUNICIPAL WATER DISTRICT**

Dated _____

Barry S. Steinhardt
Secretary of the Board
LAS VIRGENES MUNICIPAL WATER DISTRICT





September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

Subject: Approval of Financial Policy 11: Recycled Water Operations Reserves

SUMMARY:

On July 23, 2013, the Board approved a staff recommendation regarding the use of net revenue in the Recycled Water Operations Fund beyond operating and replacement costs for two purposes: (1) funding of research, studies and construction of projects to increase the beneficial use of recycled water; and (2) setting funds aside to ultimately pay for (pay-go) or service the debt associated with a seasonal storage reservoir for recycled water. This item provides the draft text of a new financial policy for approval by the Board.

RECOMMENDATION(S):

Approve the draft Policy 11: Recycled Water Operations Reserves, as written, to be included in the adopted Financial Policies of Las Virgenes Municipal Water District.

DISCUSSION:

The draft policy is provided below and, if approved, will be Policy 11 in the adopted Financial Policies for the District.

Draft Policy 11: Recycled Water Operations Reserves

When the operating reserves for recycled water exceed the amount required in Policy 6 (Operating Funds Cash Requirement) plus Policy 7 (Replacement and Major Maintenance Fund by Enterprise), the District may use the net reserves to pay for research, studies and construction of projects to increase the beneficial use of recycled water and/or set aside funds to ultimately pay for (pay-go) or service the debt associated with a seasonal storage reservoir for recycled water, if the expenditure is approved by the Board.

The Tapia Water Reclamation Facility treats wastewater to such a level that the result can be sold as recycled water. Although the recycled water is considered a valuable asset to the District because recycled water can replace some irrigation uses, thus lowering the demand for potable water, there are times of the year that the District accumulates more recycled water than customers can use and the District has to pay to dispose of the excess recycled water.

The District's goal is to make recycled water available to as many customers as is practical as a way of conserving potable water. To that end, funds in the Recycled Water Operations reserve that are available after the fund has met its requirements for having a cash balance equivalent to 25% of the operating budget for recycled water and for having funds available for replacement and major maintenance as specified in the annual Infrastructure Investment Plan (reserves equivalent to three years of capital improvement projects) can, at the Board's discretion and upon approval, be used to pay for research, studies and construction of projects to increase the beneficial use of recycled water and/or to set funds aside to ultimately pay for (pay-go) or service the debt associated with a seasonal storage reservoir for recycled water.

Prepared By: Sandra Hicks, Director of Finance & Administration



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: 1,235 Ft. Backbone Improvements Project Calabasas Pipeline: Change Order No. 1

SUMMARY:

Change Order No. 1, totaling \$20,863, is a deductive change order for the 1,235 Ft. Backbone Improvements Project Calabasas Pipeline. The change order was administratively approved by the General Manager on September 5, 2013. The purpose of the deductive change order is to offset the cost of additional design services at the request of the Contractor during construction for proposed changes in alignment, both vertically and horizontally.

The Contractor has agreed to reimburse the District for these services to be performed by the design consultant, Kennedy/Jenks Consultants, as a deduction to the construction contract amount. The amount includes a 15% administrative fee to cover the District's expenses for contract administration. Any changes to the pipeline alignment are expected to result in a cost-savings to the District that will be incorporated in a future change order once a revised design is completed and approved.

FINANCIAL IMPACT:

The approved Fiscal Year (FY) 2012-13 and FY 2013-14 Budget provides funding in the amount of \$7,287,975 for the 1,235 Ft. Backbone Improvements Project Calabasas Pipeline, CIP Job No. 10344. Sufficient funds are available for this change order and no additional budget or appropriation is needed at this time. Change Order No. 1 is a deductive change order that will reduce the construction contract amount by \$20,863, from \$5,053,984 to \$5,033,121.

Prepared By: Eric Schlageter, Associate Engineer

ATTACHMENTS:

[Change Order 1](#)



CONTRACT CHANGE ORDER
No. 1

4232 Las Virgenes Road
 Calabasas, California 91302-1994

Project 1235 Ft. Backbone Improvement Project, Calabasas Pipeline

Project No. Acct. No. 10344.1880.605

Contractor Preston Pipelines

Date 9/03/2013

CONTRACTOR CHANGE ORDER NO. 1 The Contractor is hereby authorized and directed to make the herein described changes from the Plans and Specifications or do the following work not included in the Plans and Specifications for the construction of this project.

This change requested by: Preston Pipelines^{2,3}

DESCRIPTION OF CHANGE:

	Description	Amount	Days
1	To Provide Additional Contractor Proposed Realignment and Design Services During Construction per Kennedy Jenks proposal (attached as Appendix A)	\$18,142.00 ⁴	0 ¹
2	LVMWD Administration Fee (15%) for Processing and Review of Contractor Proposed Changes	\$2,721.30	0 ¹
3	Deduct of Appurtenances from the Contract due to Contractor Proposed Changes	TBD ⁴	0 ¹
	TOTAL	\$20,863.30	0 ¹

¹ The Contractor agrees that the requested realignment changes and other associated requests made by the Contractor as part of CO#1 will not extend the project schedule per the contract documents. All costs associated with the requested changes will be the requirement of the contractor and will be deducted from the total contract amount to reimburse the design consultant for these additional services.

² See Appendix C for Preston Pipelines formal request to Kennedy Jenks for proposal for re-alignment

³ See Appendix B for Preston Pipelines official Notice to Proceed

⁴ Per the meeting minutes during the August 7th meeting to discuss Preston's proposed alignment changes, all pipeline appurtenances or changes made that provide a reduction from the contracted amount or quantity shall be deducted as a credit to the District. Since the revised changes have not been finalized or approved by the District the deduct amount cannot be determined at this time.

INCREASES
 TOTAL AT AGREED PRICES OR FORCE ACCOUNT \$20,863.30
 DECREASES

Contract Change Order No. 1 Project No. 10344 Acct. No. 1880.605

Date 9/03/2013

(2) Estimate of increases and/or decreases in contract items at contract unit prices:

INCREASES

Item	Description	Quantity	Unit Price	Total
TOTAL INCREASES				<u>\$N/A</u>

DECREASES

Item	Description	Quantity	Unit Price	Total
TOTAL DECREASES				<u>\$</u>

TOTAL NET _____ IN CONTRACT ITEMS AT CONTRACT UNIT PRICES \$ _____

TOTAL COST OF THIS CHANGE ORDER **\$20,863.30**

INCREASE

DECREASE

It is agreed 0¹ consecutive calendar days extension of time will be allowed by reason of this change.

Recommended by

Eric Schlageter, P.E.
Project Engineer

Departmental Approval

David R. Lippman
Director of Facilities and Operations

ACCEPTED:

By: _____

Date: _____

APPROVED:

Las Virgenes Municipal Water District

By: David W. Pedersen
David W. Pedersen, General Manager

Date: 09/05/13

Note: Attention is called to the sections of the Special Provisions and Standard Provisions on EXTRA, ADDITIONAL OR OMITTED WORK.

- THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY OWNER
- IF ACCEPTABLE TO THE CONTRACTOR, THIS CHANGE ORDER IS EFFECTIVE IMMEDIATELY

Kennedy/Jenks Consultants

Engineers & Scientists

2775 North Ventura Road, Suite 100
Oxnard, CA 93036
(805) 973-5700
FAX (805) 973-1440

21 August 2013

Mr. Eric Schlageter, P.E.
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, California 91302

Subject: Proposal to Provide Additional Design Services During Construction for the
1,235 ft. Backbone System Improvement Program
Calabasas Pipeline – Contractor Proposed Realignment
1389027*00 (2.01)

Dear Mr. Schlageter:

We are pleased to provide this proposal for Additional Design Services During Construction for the Contractor proposed realignment related to the Calabasas Pipeline Project. The Contractor's, Preston Pipelines, proposed request for realignment, both vertically and horizontally, as shown on their drawing markups, provided to us on 7 August 2013, and described in the attached spreadsheet provided to us on 21 August 2013 are the basis for this proposal. The following task has been developed to assist Las Virgenes Municipal Water District (District) with realigning the pipeline design.

Task 7 – Design Services During Construction

Kennedy/Jenks Consultants shall provide design services during construction for the Contractor proposed redesign including realigning the pipeline alignment and revising/adjusting air valve and pump-out locations. The basis of the design revisions will be:

- The Alignment Changes spreadsheet provided by Preston Pipelines
- Alignment staying within District easements
- The pipeline separation requirements identified by the Los Angeles County Public Works Department (County)
- City of Calabasas and County traffic control requirements
- Pipe cover requirements by the City, County and District (including Standard Drawing PW-139)
- Standard engineering practice of care

ITEM 10A

Mr. Eric Schlageter, P.E.
Las Virgenes Municipal Water District
21 August 2013
Page 2

We currently understand that the alignment revision across Highway 101 will not be allowed by the District, since portions of the revision fall outside the District's easements. Therefore, these changes will not be incorporated. We further understand that the City of Calabasas has requested the Contractor to provide benefits for the modifications along the Las Virgenes Road portion of the alignment. Final determination of changes along this reach will need to be made prior to beginning design efforts along Mureau Road since later modifications, to either add or remove the realignment, or any portion thereof, will require updating the modifications already made on Mureau Road.

Schedule

Kennedy/Jenks Consultants can proceed immediately following receipt of a notice to proceed. As indicated above, final determination of changes will be required before proceeding beyond the intersection of Las Virgenes Road and Mureau Road.

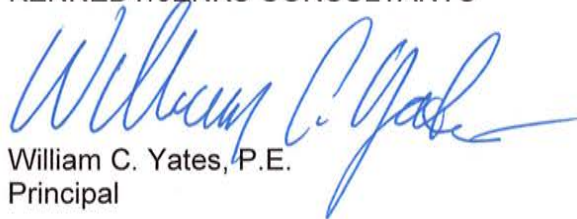
Budget

The budget for this task has been established as \$18,142. If we are requested to update modifications previously made, additional budget will be required.

We appreciate the opportunity to provide the design services during construction to the District for the Contractor proposed realignment and look forward to our continued involvement with this project.

Very truly yours,

KENNEDY/JENKS CONSULTANTS



William C. Yates, P.E.
Principal

cc: Jeff Savard, P.E.
file

ITEM 10A

13-040 CALABASAS ALIGNMENT
CHANGES

Description	From	To	Note	YES if flood control agrees	NO	REVIEW	Comment
Combine Bend	10+39.35	10+54.28	Move VPI to 10+54.28 and make combined bend. Eliminates one bend. Gives room under 3" Telecom not shown on drawings.	YES			
Profile straight and flat	10+54.28	15+34	Eliminates VPI and AVR from 12+39. Eliminates BO at 14+77. Relocates vertical deflection from 14+79 to 15+34 in combined bend.			REVIEW	
Move plan view	17+00		Move 2 feet away from power lines to minimize conflict for maintenance. KJ to see if 2' move is still in permanent easement.			REVIEW	
Move AVR	20+49	19+20	Relocate the AVR from 20+49 to 19+20. Run profile down to match bore invert. Eliminates 2 vertical bends.	yes			
Relocate Receive Pit and horizontal bend	20+74	19+75	Extend receive pit side of Bore (Approx 80 foot increase in bore) and shift west. Slope of bore to maintain 0.005%. The bend at 19+75 is combined about 50 degree horizontal and the small vertical deflection at one station.	yes			
Change from 45 to 90 VPI	24+94.61		To clear shoring so safe to work.			review	
Add AVR		25+61.38	None shown, but is it needed?	YES			
Profile straight S=0.0050	26+40.31	25+61.38	Gas was deeper than shown so clear under T and above G. Eliminates 2 bends.	yes			
Profile Straight line	26+45.30	28+47.21	Eliminates 26+85.30 and 28+43.78 deflection and bend. Reduces 28+47.21 from 45 degrees to minor bend.			review	

13-040 CALABASAS ALIGNMENT
CHANGES

Description	From	To	Note	YES if flood control agrees	NO	REVIEW	Comment
Relocate or Add minor horizontal deflection east	27+00	34+84.39	We are concerned as drawn, too close to existing water main. Keep 10 feet from centerline of existing water main. Might work to relocate the 27+25 deflection to 27+00.			review	
Profile Straight line	29+22.88	32+35.54	May need to do an offset on the 6" FH line at 30+98. May need a concrete pad between new pipeline and 32+35.54 RCP. Current pothole shows 7'-0" cover from top of RCP to finish grade. Eliminates ARVR at 32+06 and BO at 32+21. Eliminates 6 39-45 degree bends.	yes		review	yes ok on 6" offset if PPI does offset. PPI provide better detail for coverage over storm by 8.8.13. District to set up meeting with Flood Control ASAP.
Combine 58 and 30 degree bends	34+84.39 & 35+31.28		Move angle point north about 25 feet to about 35+09 +/- . Will become about a 90 degree bend. Will cross existing 6" gas, T, 8" W, and 6" W perpendicular instead of at an angle. Safer for utilities. Eliminates 2 45 degree bends and adds one 90 degree bend.			review	
Profile Straight line	35+40	35+92	Change the 35+67 and 35+85 from bends to deflections by shifting from 18 foot to 52 foot separation. May have to offset the 6" W at 35+60.			review	

13-040 CALABASAS ALIGNMENT
CHANGES

Description	From	To	Note	YES if flood control agrees	NO	REVIEW	Comment
Profile Straight line	35+92	42+70	Cross over RCP lines around 37+50 and 37+95 and maybe a concrete slab between RCP and 30". Current pothole shows 7'-0" cover from top of RCP to finish grade. Will offset 8" W at 38+35 if needed. Will hold 30" deeper 42+70 to clear under unmarked 1" G around 38+40 and telecoms around 42+40. Eliminate blow off and AVR. Eliminate 4 bends. Deflection might be needed at 38+51.3 to clear 1" G. Will field install.	yes			
Profile flat line	43+70+/-	46+09.53	Put in deflection at invert Elevation 796.00(approx 43+70) then go flat to 46+10 to get under the unmarked telecom at 45+70. Offset 6" Water at 45+10 depending on pothole info. Eliminates two 40 degree bends and reduce a 39 degree bend to a minor bend. Eliminate ARVR and BO.	yes			
Horizontal Deflections add to move 30" north over 24" RCP 47+40	46+09.53	48+00	Roll vertical bend at 46+09.53 a little north. By shifting the 30" north, the 24" will be deeper when the 30" crosses over the 24" RCP. Current pothole info is 59" from top of 24" RCP to finish grade. Expect when line moved north, cover will increase to above 60" so water can fit above the 24" RCP.	yes			

ITEM 10A

13-040 CALABASAS ALIGNMENT
CHANGES

Description	From	To	Note	YES if flood control agrees	NO	REVIEW	Comment
Profile Straight line	46+09.53	47+40	Eliminates a 39, 40, and 45 degree bend and adds a minor bend combined with horizontal. Eliminates an AVR.V.	yes			
Profile Straight line	47+40	48+00	Eliminates a 44, 45, and 41 degree bend and adds a minor bend combined with horizontal. Eliminates an BO.	yes			
Profile deflect up	80+00+/-	80+50	Raise 30" by deflections to min cover, go over 18" RCP at 80+46. Concrete pad maybe. Eliminate 1 AVR.V. Eliminate 2 vertical bends.	yes			
Eliminate offsets. Straight profile	80+50	85+98.52	Raise 30" by deflections to min cover, go over 18" RCP at 84+66. Concrete pad maybe. Eliminate 1 ARVR and 2 BO. Eliminate 6 vertical bends.	yes			
Relocate horizontal bend	86+16.22	86+56+/-	Move horizontal bend 40 feet east and bend north rather than south	yes			
Add Horizontal bend	86+80+/-			yes			
Straight line in horizontal dimension	86+80+/-	88+29.96	We are now in the west bound lane between and above the big storm drain structures. Net is eliminate one Horizontal bend. Keep within 4 feet of the FO line until we cross over the 18" SD.	yes			
Profile flat line	85+98.52	87+20	Since not crossing 18" W, don't need offset. Eliminate 2 vertical bends. Eliminate AVR.V and BO.	yes			
Profile straight line	87+20	87+90 +/-	Minor bend up at 87+20. Deflection back down at 87+90+/- . Might need concrete pad over 18" RCP at 87+80.	yes			
Profile straight line	87+90	89+00	Eliminate 2 bends. Add deflection at 89+00	yes			

13-040 CALABASAS ALIGNMENT
CHANGES

Description	From	To	Note	YES if flood control agrees	NO	REVIEW	Comment
may need to offset 4" RW.	87+58			yes			
Reduce vertical deflection to 1.5	98.34.61			yes			
Profile Straight line	98.34.61	100+15		yes			
Reduce horizontal portion of 45 degree bend and turn north in plan view.	99+20.30		Run the line parallel to the water just after crossing under. Stay in west bound lane north of 16" gas.	yes			
Relocate 99+46 75 degree horizontal bend to 100+00 +/-	100+00 +/-			yes			
Put in combined bend	100+20 +/-		Relocate 99+53 vertical bend up and roll so plan view runs between the FO and Gas line. Profile view raises to min cover.	yes			
Add vertical bend	100+30 +/-		Bring back down.	yes			Extend to get away from Gas & Oil pipelines.
Move AVR			There is an existing AVAR at 107+50 +/-1. May want to cap this AVAR rather than replacing and instead put a new AVAR at the 107+30 location with the new tee in.		no		Build per plan

APPENDIX B

Schlageter, Eric

From: Young, Josh <JYoung@prestonpipelines.com>
Sent: Friday, August 23, 2013 7:41 AM
To: Schlageter, Eric; Bill Yates
Cc: Zhao, John; Davila, Eduardo
Subject: RE: Preston Realignment Proposal

Eric / Bill –

Thank you for providing the proposal for the pipeline changes proposed by PPI.

Please consider this email I as a notice to proceed to Kennedy/Jenks with the redesign realignment ASAP, so that we can in turn forward these revised drawings to our pipeline supplier to generate revised shop / lay drawings for submission for those areas affected by the proposed modifications.

Additionally, we would like to ask the District to expedite the review of the recently submitted lay drawings, so we can release of the steel pipe fabrication for those areas that are not affected by the proposed changes (i.e. – the bore under 101, etc).

Please let us know when we can expect these revised drawings, and thank you again.

Josh Young

From: Schlageter, Eric [<mailto:ESchlageter@lvmwd.com>]
Sent: Wednesday, August 21, 2013 4:56 PM
To: Young, Josh; Davila, Eduardo
Cc: Zhao, John; Bill Yates
Subject: FW: Preston Realignment Proposal

Josh,

Please find attached KJ's proposal for Preston's requested realignment of the Calabasas Pipeline. Please review and let us know how you would like to proceed. Thanks.

Eric Schlageter, PE, ENV SP
 Associate Engineer
 Las Virgenes Municipal Water District
 4232 Las Virgenes Road
 Calabasas, CA 91302
 818-251-2142 direct
 818-251-2159 fax
ESchlageter@lvmwd.com



ITEM 10A

From: Bill Yates [<mailto:BillYates@KennedyJenks.com>]
Sent: Wednesday, August 21, 2013 4:10 PM
To: Schlageter, Eric
Cc: Zhao, John
Subject: Preston Realignment Proposal

Eric,

Attached is our proposal for the contractor requested realignment of the Calabasas Pipeline. We will wait to hear if we should proceed.

Thanks, Bill

William C. Yates | Principal
Kennedy/Jenks Consultants
2775 North Ventura Road, Suite 100 | Oxnard, CA, 93036
P: 805.973.5700 | F: 805.973.1440 | Direct: 805.973.5705

Kennedy/Jenks
Consultants



Preston Pipelines
General Engineering Contractor

August 12, 2013

Las Virgenes Municipal Water District
4262 Las Virgenes Road
Calabasas, CA 91302

Attn: Eric Schlageter

Re: Backbone Improvement Project

Subject: Kennedy Jenks request for proposal for re-alignment

Dear Eric,

Please allow this letter to serve as Preston Pipelines' formal request to Kennedy Jenks through LVMWD to provide a cost proposal for engineering costs associated with the proposed realignment and grade-line modifications to the pipeline as discussed in our meeting on Wednesday, August 7, 2013 at your office.

We will review the cost proposal prepared by Kennedy Jenks Consultants, and if acceptable, the District will issue a deductive change order to Preston for these costs associated with the realignment and grade line modifications. Additionally, we are including coordinates and elevations at the freeway on ramp and vicinity along the new proposed casing alignment under state route 101 for Kennedy Jenks use.

Thank you again for meeting with us, and we look forward to working with you and the District on this exciting project.

Thank you,

Josh Young,
Project Executive

Corporate Office
133 Bothelo Avenue
Milpitas, CA 95035
(408) 262-1418
(408) 262-1870 Fax

Sacramento Office
3780 Commerce Drive
West Sacramento, CA 95691
(916) 386-1500
(916) 386-7531 Fax



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

Subject: Local Agency Formation Commission (LAFCO): Call of Meeting to Select LAFCO Alternate Member Replacement for Balance of Current Term

SUMMARY:

On August 22, 2013, the District received notification from LAFCO of the need to select a representative to complete the unexpired term of office for the position of Alternate Member representing independent special districts. The position was previously held by Lillian Kawasaki who passed away recently.

LAFCO has requested the Presiding Officer (Board President) attend their Special Meeting on Monday, October 7, 2013 at 7:00 p.m. in Glendale to cast the District's vote. The Board President, who is also the Vice Chair of the Joint Powers Authority (JPA), will therefore be absent from the JPA Regular Meeting of Monday, October 7, 2013.

FINANCIAL IMPACT:

None.

DISCUSSION:

As of 11:00 a.m. on Monday, September 16, 2013, LAFCO has received only one nomination from the Presiding Officer of Three Valleys Municipal Water District, who nominated Joe Ruzicka, a member of the Board of Directors of Three Valleys MWD.

Attached for reference are copies of the correspondence from LAFCO and the current list of LAFCO Commissioners.

Prepared By: Kimmey Conklin, Executive Assistant/Clerk of the Board

ATTACHMENTS:

[LAFCO: Alternate Member Replacement](#)

[List of LAFCO Commissioners](#)



Local Agency Formation Commission
for the County of Los Angeles

Rec'd 08/22/13
134
ke

Commission
Jerry Gladbach
Chair

Richard H. Close
Donald L. Dear
Margaret Finlay
Tom LaBonge
Gloria Molina
Henri F. Pellissier
David Spence
Zev Yaroslavsky

Alternates
Lori Brogin
Lillian Kawasaki
Don Knabe
Paul Krekorian
Gerard McCallum
Judith Mitchell

Staff
Paul A. Novak, AICP
Executive Officer

June D. Savala
Deputy
Executive Officer

Amber De La Torre
Doug Dorado
Michael Henderson
Alisha O'Brien
Patricia Wood

August 21, 2013

Mr. Charles Caspary
President
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

RE: Call of Meeting to Select LAFCO Alternate Member
Replacement for Balance of Current Term

Dear Mr. Caspary:

Pursuant to Government Code Section 56332(b)(2), I am writing to provide notice that **a meeting of the Independent Special District Selection Committee will convene on Monday, October 7, 2013, at 7:00 p.m. at Fire Station 21 (2nd Floor Community Room) at 421 Oak Street, Glendale, California, 91204 (map enclosed).** Parking is available on adjoining city streets and east of Columbus Avenue in the Glendale Galleria parking structure.

The purpose of this meeting is to select a representative to complete the unexpired term of office for the position of Alternate Member representing independent special districts on the Local Agency Formation Commission for the County of Los Angeles (LAFCO). This position was formerly held by Lillian Kawasaki, who recently passed away. The term of office ends on May 5, 2014.

At a future date time, another selection process will be conducted for the full four-year term in this position that starts on May 5, 2014.

The Independent Special District Selection Committee is composed of the **presiding officer** of the legislative body of each independent special district board in Los Angeles County. If the presiding officer is unable to attend the meeting, **the legislative body of the district may designate another board-member** to vote in place of the presiding officer at the October meeting. Board-members designated by their district board to vote in place of their district's presiding officer should provide that authorization (in the form of an original signed resolution) to LAFCO in advance of the meeting or bring the original signed resolution to the meeting.

80 South Lake Avenue
Suite 870
Pasadena, CA 91101
Phone: 626-204-6500
Fax: 626-204-6507

www.lalafco.org

LAFCO Notice
August 21, 2013
Page Two

Please note that a **quorum** of the Independent Special District Selection Committee **is required to conduct the selection at the committee meeting**. Because there are 53 independent special districts in Los Angeles County, 27 members or more constitute a quorum.

At a future point in time, as Executive Officer, should I “determine that a meeting of the special district selection committee, for the purpose of selecting the special district representatives or for filling a vacancy, is not feasible,” Government Code Section 56332(c)(1) allows me to “conduct the business of the committee in writing.”

Please RSVP no later than Monday, September 30th, 2013, by contacting Patricia Wood of LAFCO via telephone (626/204-6500) or e-mail (pwood@lalafco.org).

Sincerely,



Paul A. Novak, AICP
Executive Officer

Enclosures:

- Election Procedures
- Draft Resolution
- Map to Fire Station 21

Independent Special District Selection Committee
Election Procedures (Government Code Section 56332)

I. PURPOSE

The purpose of the Independent Special District Selection Committee shall be to appoint the two (2) regular and one (1) alternate special district members of the Local Agency Formation Commission for the County of Los Angeles ("Commission" or "LAFCO") and to fill unexpired terms when vacancies occur.

II. MEMBERSHIP

Membership of the Independent Special District Selection Committee shall be composed of the presiding officer or designated board member of the legislative body of each independent special district either located wholly within Los Angeles County or containing territory within the county that represents 50% or more of the assessed value of taxable property of the district.

III. MEETING(S)

Notification and Solicitation of Nominations

At least six weeks prior to the meeting, the Executive Officer of the Commission shall give written notice to all eligible independent special districts of any meeting of the Independent Special District Selection Committee, specifying the date, time, and place.

Legislative Body Designation of Board-Member other than Presiding Officer

In the event that the presiding officer is unable to attend a meeting of the Committee, the legislative body may appoint one of its members to attend in the presiding officer's place. Such a designated member shall submit written authorization to LAFCO in advance or at the time of registration.

Registration

Each voting member shall register at the meeting and complete a declaration of qualification, subject to the satisfaction of the Executive Officer. The voting member will then be given the required number of ballots and other voting materials.

Quorum

Members representing a majority of the eligible districts shall constitute a quorum for the conduct of Committee business. No meeting shall be called to order (1) earlier than the time specified in the notice, and (2) until a quorum has been declared to be present. Before calling the meeting to order, the Executive Officer shall announce that a quorum is present and request that any voting member who has not yet registered do so at that time. Only those eligible members registered and present shall be allowed to vote.

Eligibility

Pursuant to Government Code Section 56332(d), independent special district representatives serving on the Commission "shall be elected or appointed special district officers residing within the county but shall not be members of the legislative body of a city or county."

Pursuant to Government Code Section 56326(e), the Independent Special District Selection Committee is encouraged to select members to fairly represent the diversity of the independent special districts in the County, with respect to population and geography.

Nominations

Nominations may be submitted in writing in advance, or verbally at a meeting of the Committee.

Nominations from the presiding officer (or designated appointee) of an independent special district may be accepted in writing, provided that said written nomination is received by LAFCO (80 South Lake Avenue, Suite 870, Pasadena, CA, 91101) no later than 5:00 p.m. on the last business day preceding the meeting of the Independent Special District Selection Committee (LAFCO is closed on Fridays as well as traditional holidays).

Nominations may be submitted from the floor at a meeting of the Independent Special District Selection Committee. Nominations may only be submitted by the presiding officer (or designated appointee)

Majority to Win

In order for a candidate to be elected, that candidate must receive a majority of the votes being cast. If no candidate receives a majority, a subsequent round of voting shall be conducted with the eligible candidates limited to the two candidates who received the most votes in the previous round and any candidates who received the same number of votes as the second candidate.

Each member of the Independent Special District Selection Committee shall be entitled to one vote for each independent special district of which he or she is the presiding officer (or authorized designee).

Conduct of Meeting

The Executive Officer shall adhere to the following order of business:

1. Call to order
2. Pledge of allegiance
3. Roll call and Determination of Quorum
4. Call for nominations
5. Certification of eligibility of nominee(s)
6. Candidate statement(s)
7. Distribution of ballots
8. Counting of ballots

9. Run-off ballots (if necessary)
10. Announcement of results
11. Adjournment

Should circumstances warrant, and at his or her discretion, the Executive Officer may vary the conduct of the meeting.

Legal Counsel

The Executive Officer may rely upon LAFCO legal counsel for any matters pertaining to the business of the Independent Special District Selection Committee.

Commission Designee

As authorized by the Commission, the Executive Officer may rely upon Bill Kruse, counsel with Lagerlof, Lagerlof, Senecal, Gosney & Kruse, LLP for any matters pertaining to the business of the Independent Special District Selection Committee.

IV. MAILED-BALLOT ELECTIONS

If the Executive Officer determines that a meeting of the Independent Special District Selection Committee is not feasible, a mailed ballot election may be conducted.

In the event that a mailed ballot election is conducted, the Executive shall adhere generally to the "Rules for LAFCO Special Districts Commissioners and their Alternates" adopted by the Independent Special District Selection Committee on April 23, 2007.

VI. CONFLICT OF INTEREST

The representation by a regular district member who is a special district officer shall not disqualify, or be cause for, disqualification of, the member from acting on a proposal affecting the special district. The Committee may, at the time it appoints a member or alternate, provide that the member or alternate is disqualified from voting on proposals affecting the district of which the member is a representative.

VII. PUBLIC RECORD

All records of the meeting called to begin the selection proceedings and the ballots are public documents.

All votes and actions of the Independent Special District Selection Committee shall be recorded in writing by the Executive Officer or designee. Ballots shall include the name of agency and of the member voting.

IX. STATE LAW

Nothing in these Rules of Procedure shall supersede Section 56332 of the California Government Code, which governs the establishment and authority of the Independent Special District Selection Committee.

The meeting of the committee shall be noticed and conducted consistent with the Ralph M. Brown Act.

SAMPLE

RESOLUTION <Number>

RESOLUTION OF THE BOARD OF DIRECTORS OF
<DISTRICT NAME> AUTHORIZING A DELEGATE TO
VOTE ON BEHALF OF THE DISTRICT, AT THE
LAFCO SPECIAL DISTRICTS' SELECTION MEETING

WHEREAS, the Local Agency Formation Commission for the County of Los Angeles (LAFCO) is a regulatory and planning agency responsible for coordinating logical and timely changes in local government boundaries within the County; and,

WHEREAS, <DISTRICT NAME> is an independent special district in Los Angeles County under the jurisdiction of LAFCO; and,

WHEREAS, special districts within Los Angeles County elect individuals from among their district boards as Special District members of the LAFCO Commission pursuant to Government Code Section 56326(e) and 56332; and,

WHEREAS, the LAFCO executive officer has called for the Special District Selection Committee to convene on <DATE>, 2013 for purposes of selecting an Alternate Special District Commissioner to fill an unexpired term that ends on May 5, 2014; and,

WHEREAS, pursuant to Section 56332, the presiding officer of the legislative body of each independent Special District is allowed to cast one vote; and

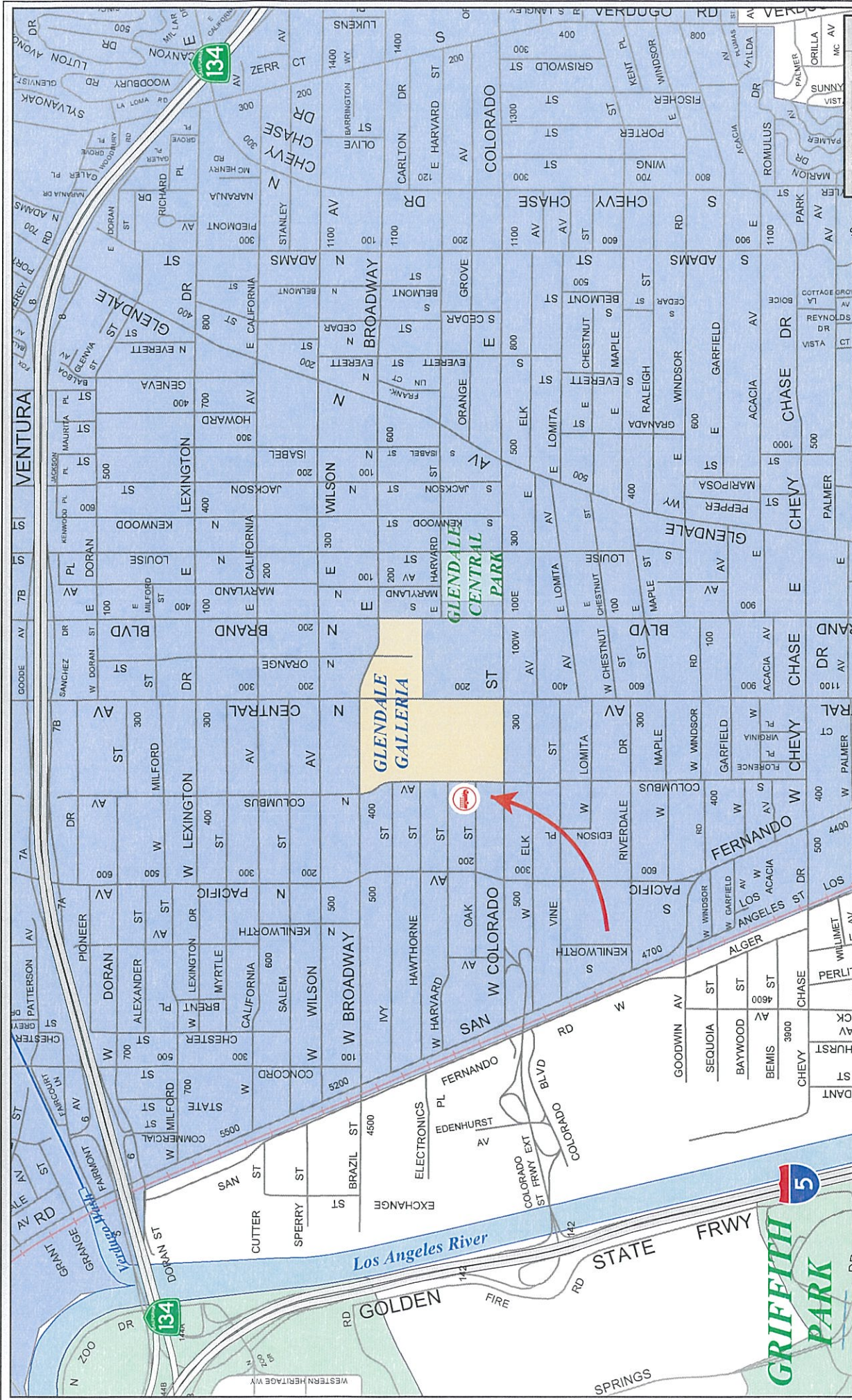
WHEREAS, in the event the presiding officer (Board President) of the legislative body (Board of Directors) is unable to attend this meeting, the Board may designate another member of the Board to cast its vote, on behalf of the District, at the Special District Selection Committee Meeting.

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of <DISTRICT NAME> that <DISTRICT NAME> affirms <NAME OF DIRECTOR>, as the voting delegate in the event the presiding officer cannot participate in the proceedings of the Independent Special District Selection Committee election ON <DATE>, 2013.

ADOPTED this <DATE>, 2013.

<NAME>
President

<DATE>



Map of Downtown Glendale Area

- Legend**
- Glendale Galleria
 - City of Glendale

Fire Station No. 21 - 421 Oak St., Glendale, CA



Commissioners

LAFCO is composed of 9 members and 6 alternates. Commissioners are appointed to 4-year terms and until the appointment and qualification of a successor.

Member	Alternate	Appointing/Electing Authority
<i>County of Los Angeles</i>		
The Honorable GLORIA MOLINA (Term expires May 7, 2016)	The Honorable DON KNABE (Term expires May 6, 2013)	Appointed by the Los Angeles County Board of Supervisors
The Honorable ZEV YAROSLAVSKY (Term expires May 5, 2014)		
<i>City of Los Angeles</i>		
The Honorable TOM LaBONGE (Term expires May 5, 2014)	The Honorable PAUL KREKORIAN (Term expires May 5, 2014)	Appointed by the Council President of the Los Angeles City Council
<i>Cities in Los Angeles County</i>		
The Honorable MARGARET FINLAY (Term expires May 1, 2017)	The Honorable JUDITH MITCHELL (Term expires May 4, 2015)	Elected by City Selection Committee
The Honorable DAVID SPENCE (Term expires May 5, 2014)		
<i>Independent Special Districts</i>		
The Honorable EDWARD “Jerry” GLADBACH (Term expires May 5, 2014)	VACANT (Term expires May 5, 2014)	Elected by the Independent Special Districts Selection Committee
The Honorable DONALD L. DEAR (Term expires May 2, 2016)		
<i>San Fernando Valley</i>		
MR. RICHARD CLOSE (Term expires May 5, 2014)	MS. LORI BROGIN (Term expires May 5, 2014)	Appointed by the Los Angeles County Board of Supervisors
<i>General Public</i>		
MR. HENRI F. PELLISSIER (Term expires May 4, 2015)	MR. GERARD McCALLUM (Term expires May 2, 2016)	Elected by the other eight regular members.



September 24, 2013 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

Subject: Seismic Valve Report for Potable and Recycled Water Tanks

SUMMARY:

On June 11, 2013, the Board requested staff to review the merits of using seismic control valves for the District's tank facilities. Staff researched the various types of seismic valves available and met with several manufacturers to get a better understanding of their applicability to the District's tank facilities. Based on the investigation, there appears to be merit to install seismic valve actuators and appurtenances at some of the District's tanks.

Staff recommends a phased project approach based upon project site priority (high, medium or low), so resources can be focused on sites providing critical system reliability first. The estimated budget for installation of the valve actuators and appurtenances at six high priority tank sites would be approximately \$230,450. Upon completion of the installations at the high priority sites, additional seismic valves could be considered for the medium and low priority sites, depending on staff's assessment of the functionality and reliability of the devices.

FINANCIAL IMPACT:

A future project budget and appropriation of approximately \$230,450 would be required to install seismic valves at six high priority tank sites. The cost to install seismic valves for all of the District's tanks would be approximately \$995,000.

DISCUSSION:

Staff prepared the attached seismic valve report that provides a general overview on seismic valves and their typical uses. The report includes a general description of the components required, typical uses, and power source requirements; and provides a list of other agencies utilizing them. The report also provides some of the pros and cons associated with the functionality of the valves along with an initial cost estimate for the individual components required.

Staff developed an inventory of the District's tank facilities (also attached) to evaluate the varying site conditions and estimate the installation costs for each tank. Variables such as the number of tanks per site, valve and piping orientations, and availability of electricity were logged to estimate the cost at each site. Two important cost factors were the number of valve controllers required and whether or not solar panels were necessary.

Tank sites were prioritized as high, medium and low based on a number of criteria including tank capacity, number of services, system reliability requirements and associated flood risk potential. High priority sites, consisting of large capacity tanks that are critical to system reliability, would be recommended for implementation first. The low priority sites generally consist of recycled water tanks and lower capacity potable water tanks that are less critical to overall system operation.

The addition of a seismic valve for the proposed 5-million-gallon tank was considered; however, it is not recommended at this time due to the tank's design features and site configuration. Following is a summary

of the primary reasons factors considered:

- In the event of a mainline rupture, the water from the tank will be contained within the Las Virgenes Reservoir. The site has been designed to drain away from the saddle dam abutment into the reservoir.
- Flexible isolation joints and flexible expansion joints (Flex-tends) have been incorporated into the design and provide pipeline protection from ground motion and shear during a seismic event.
- The majority of the pipeline is placed within a steel casing, protecting the internal pipe from rupture. In the event of an internal mainline break, the water would escape from the ends of the steel casing and drain to the reservoir.
- The tank has been designed to current seismic design standards based upon site specific data relative to the distance to known faults and soil types at the project site.
- The geotechnical site conditions consist primarily of rock. Earthquake resistance of pipe is a function of its ability to move with the ground without breaking. Seismic waves travel faster through hard rock than through softer soils, reducing the effect of ground motion.
- Steel pipe provides better resistance to seismic activity compared to other pipe materials based on ductility, joint flexibility and restraints.
- Staff is typically on site and, when not present, on-call staff is assigned specifically for the site.
- Valve orientation and proposed conduit allows for valve actuators to be installed in the future (i.e. in conjunction with treatment plant expansion), allowing valve isolation remotely through SCADA.

Prepared By: Eric Schlageter, Associate Engineer

ATTACHMENTS:

[Seismic Valve Report](#)

[LVMWD Inventory](#)

Reservoir Seismic Valve Report

1. General

- Seismic valve operation consists of four components (Seismic Instrument, Controller, Valve Actuator, and power pack.
- Seismic valve control does not require valve replacement and utilizes existing butterfly (or other type) valves on inlet / outlet of reservoirs.
- Easy to retro-fit in the field on the 2" nut of any manually operated valve.
- One-sized actuator for all valve sizes
- Consists of Seismic Controller (NEMA 4X panel enclosure) and valve actuator (mounted on valve)
- Seismic controller - where all control and status wiring for the equipment and SCADA inputs to and exits from to operate and provide information
- One controller will operate multiple valves within the same site location
- The controller automatically closes the inlet / outlet valves of the reservoir based on a predetermined magnitude earthquake
- Remote monitoring / control available

2. Types Available

- Three primary manufacturers (Earthquake Safety Systems, FlowLoc, AES)
- Electronic (can be calibrated in field) vs. Mechanical sensor (lab set only, sensor swap)
- Can combine seismic controller and power supply in a single enclosure
- Additional flow monitoring system controller may be added to only shut the valves when a break in the pipeline is detected (requires second signal from a flow meter) May be beneficial for sites without electricity / SCADA to minimize manual valve opening by operators.
- Valve actuators can be powered by AC, DC or with solar panels in remote locations
- Valve control can be set to full open, closed, or partial closed.

3. Widely Used

City of Thousand Oaks
 City of Simi Valley
 City of San Buenaventura
 Los Angeles County (Department of Water and Power)
 Castaic Lake Water Agency
 City of Arcadia
 Azusa L. & W.
 City of Beverly Hills
 City of Brentwood- multiple installations
 Capistrano Valley Water District
 Central Coast Water Authority - multiple installations

City of Chino Hills
 City of Corona
 Crescenta Valley Water District - multiple installations
 City of Del Mar - multiple installations
 Eastern Municipal Water District - multiple installations
 Irvine Ranch Water District
 Kinneola Irrigation District - multiple installations
 Laguna Beach Water District - multiple installations
 Littlerock Creek Irrigation District
 City of Loma Linda - multiple installations
 City of Long Beach
 Marin Municipal Water District
 Newhall County Water District - multiple installations
 Olivenheim Water District - multiple installations
 Otay Water District - multiple installations
 Padre Dam Municipal Water District - multiple installations
 Palmdale Municipal Water District - multiple installations
 City of Pomona - multiple installations
 Preston School of Industry
 City of Riverside - multiple installations
 City of San Diego - multiple installations
 San Dieguito Water District
 Sonoma County Water Agency
 Tri-Cities Municipal Water District, San Clemente
 USMC/29 Palms - multiple installations
 V.A. Medical Center
 Valencia Water Company - multiple installations
 Valley of the Moon Water District
 Victor Valley Water District - multiple installations
 City of Westminster
 City of Yorba Linda

4. Pro's / Con's

- Partially closed valves restrict flow to allow time to assess damage while still providing fireflow (pressure maintained / reduced flow)
- The specified valve closure (partial vs. full closure) is a policy question. Should water be shut off after a large earthquake or be allowed to flow? If water is shut off, suppression of fires may be delayed due to District action. If water is not shut off, water may be lost due to damage to pipeline; this limits available fire suppression, but occurs later and is a result of the earthquake, not District action.
- Sites with Electricity may not need solar panels (battery backup only)

- Sites without Electricity need solar panels with battery units
- Sites with existing motorized valves may be compatible with seismic controllers
- Common inlet / outlet vs. separate inlet / outlet at LVMWD tank sites varies
- Separate inlet / outlet reservoirs with check valves mounted at the inlet eliminate the need for a second actuator.
- Manual handwheel valves may need to be replaced or modified to accept electric actuators
- Solar power / backup power
- SCADA can control motorized valves but reservoir sites without SCADA would require manual operation of the valve to open after an event.
- Routing of Conduit / Site constraint for location of enclosure, proximity to power and actuators
- Annual Service / Maintenance / Calibration should be performed to verify product performance
- Battery maintenance / replacement program (3-5 yrs)
- Self-tests itself weekly
- Existing Reservoirs with SCADA controlled power actuators already have ability to close valves remotely but requires operator signal vs. automatic
- Proprietary actuators are not required. May use District preferred actuator brand
- Recycled water reservoirs to be considered as well due to potential flooding damage

5. Cost Estimate

- Costs vary depending on # of actuators, site constraints and length of autonomy preferred
- The District Owns 24 potable reservoirs (20 sites) and 3 recycled reservoirs for a total of 27.
- General Costs

Single Valve Controller = \$24,000

Dual Valve Controller = \$34,000

Solar Panel = \$2,000

Vandal Covers = \$3,500

Installation = \$7,000

- See spreadsheet for detailed overall project costs

POTABLE																
Tank Name	Nominal Capacity	# of Tanks	# of inlets / outlets (per site)	Check Valve (inlet)	Pipe / Valve Size	Valve Type	Valve Actuator	Electricity	SCADA	Comments	Seismic Site Condition	Solar ²	Cost Per Site ³	Flood Risk (High/Med/Low)	Priority (High/Med/Low)	Reason
Calabasas Tank	8.0 MG	1	4 (currently)	No	24"	Butterfly	No	No	Yes	5 valves (Three 24" Butterfly / two 8" gate)	3	Yes	\$67,500		High	Large Capacity, Large Number of Services
Dardenne Tank	0.5 MG	1	1	No	8"	Butterfly	No	No	Yes	Butterfly is 16" Also Motorized plug valve down station	1	Yes	\$36,500	Moderate	Low	Small Capacity, Small Number of Services, Solar Only
Equestrian Tank	4.2 MG	1	1	No	24"/16"	Butterfly / Plug	No / Yes	Yes	Yes		1	No	\$34,500		High	Large Capacity, Large Number of Services
Jed Smith Tanks (1/2)	(0.60 MG/0.60 MG)	2	(1/1)	No	12"/12"	Butterfly	No	No	Yes		2	Yes	\$46,500	Moderate	Low	Small Capacity, Small Number of Services, Solar Only, hard to recover
Kimberly Tank	0.5 MG	1	1	No	8"	Butterfly	No	No	Yes		1	Yes	\$36,500	Moderate	Low	Small Capacity, Small Number of Services, Solar Only
Laligo Tank	1.5 MG	1	2	No	12"	Gate	No	Yes	Yes		2	No	\$44,500		Med	Med Capacity, Med Number of Services, Electricity Available
McCoy Tank	2.0 MG	1	1	No	16"	Butterfly	No	No	Yes		1	Yes	\$36,500		High	Large Capacity, Large Number of Services, Electricity Available
Morrison Tank	3.0 MG	1	1	No	16"	Butterfly	No	Yes	Yes		1	No	\$34,500		High	Large Capacity, Large Number of Services, Electricity Available
Mulwood Tank	1.6 MG	1	1	No	14"	Butterfly	No	No	Yes		1	Yes	\$36,500		Med	Med Capacity, Med Number of Services
Oakridge Tank	0.30 MG	1	1	No	8"	Butterfly	No	No	Yes		1	Yes	\$36,500	Low	Low	Small Capacity, Small Number of Services, Solar Only
Ranchview Tank	0.39 MG	1	1	Yes	8"	Butterfly	No	Yes	Yes		1	No	\$34,500	Low	Low	Small Capacity, Small Number of Services
Saddlepeak Tank	2.3 MG	1	1	No	14"	Butterfly	No	No	Yes		1	Yes	\$36,500		High	Large Capacity, Large Number of Services
Saddlepeak Tank	0.3 MG	1	1	No	10"	Gate	No	No	Yes		1	Yes	\$36,500	Low	Low	Small Capacity, Small Number of Services, Solar Only
Seminole Tanks (1/2)	(0.4 MG/1.6 MG)	2	(1/1)	No	(12"/12")	(Butterfly/butterfly)	Yes	Yes	Yes		2	No	\$44,500		Med	Med Capacity, Med Number of Services, Electricity Available
Twin Lakes Tanks (1/2)	(0.4 MG/1.6 MG)	2	(1/1)	(No/No)	(12"/12")	Gate	No	Yes	Yes	Check connection	2	No	\$44,500		Med	Med Capacity, Med Number of Services, Electricity Available
Upper Twin Lakes Tank	0.39 MG	1	1	No	8"	Butterfly	No	Yes	Yes		1	No	\$34,500	Low	Low	Small Capacity, Small Number of Services
Upper Woodsey	0.50 MG	1	1	No	8"	Gate	No	Yes	Yes		1	No	\$34,500	Low	Low	Small Capacity, Small Number of Services
Upper Oaks Tank	0.26 MG	1	2	No	6"/12"out	Butterfly	Yes (out)	Yes	Yes	Elastomer Discharge Check	2	No	\$44,500	Low	Low	Small Capacity, Small Number of Services
Lower Oaks Tank	1.0 MG	1	1	No	12"	Butterfly	Yes (out)	Yes	Yes	Elastomer Discharge Check	1	No	\$34,500		Med	Med Capacity, Med Number of Services, Electricity Available
Warner Tanks (1/2)	(0.5 MG/2.0 MG)	2	(1/1)	(No/No)	16"	Butterfly	Yes	Yes	Yes		2	No	\$44,500		High	Large Capacity, Large Number of Services

RECYCLED																
Tank Name	Capacity	# of Tanks	# of inlets / outlets (per site)	Check Valve (inlet)	Pipe / Valve Size	Valve Type	Valve Actuator	Electricity	SCADA	Comments	Seismic Site Condition	Solar ²	Cost Per Site ³	Flood Risk (High/Med/Low)	Priority (High/Med/Low)	Reason
Parkway Tank	0.2 MG	1	1	Yes	6"	Butterfly	No	Yes	No		1	No	\$34,500	Low	Low	Recycled Water
Cordillera Tank	3.0 MG	1	1	No	24"	Butterfly	No	Yes	Yes		1	No	\$34,500	Low	Low	Recycled Water
Indian Hills Tank	2.6 MG	1	1	No	20"	Butterfly	No	No	Yes		1	Yes	\$36,500	Low	Low	Recycled Water

Site Condition #1	Single Valve Controller	\$34,500
Site Condition #2	Dual Valve Controller	\$34,000
Site Condition #3	A Valve Controller	\$2,000
	Vandal Covers	\$3,500
	Installation (est)	\$7,000
Total		\$94,500
	10% Contingency	\$9,450
	Estimated Cost	\$99,950

Phase 1	\$230,450
Phase 2	\$273,900
Phase 3 (Electricity / System Recovery)	\$ 162,800
Phase 4 (Solar)	\$217,750
Phase 5 (Recycled)	\$116,050
	\$994,950

¹ Cost includes seismic instrument, controller, valve actuator, power pack, vandal covers and installation
² When solar panels are required \$2,000 is added to the total cost