Yucaipa Valley Water District

Notice and Agenda of a Board Workshop

Tuesday, March 13, 2012 at 4:00 p.m.

MEETING LOCATION:	District Administration Building 12770 Second Street, Yucaipa
MEMBERS OF THE BOARD:	Director Ian Cuthbertson, Division 1 Director Bruce Granlund, Division 2 Director Jay Bogh, Division 3 Director Lonni Granlund, Division 4 Director Hank Wochholz, Division 5

I. Call to Order

II. Public Comments At this time, members of the public may address the Board of Directors on matters within its jurisdiction; however, no action or significant discussion may take place on any item not on the meeting agenda.

III. Staff Report

IV. Presentations

A. American Water Works Association Report - Buried No Longer: Confronting America's Water Infrastructure Challenge [Workshop Memorandum No. 12-050 - Page 5 of 168]

B. Regional Implementation of Maximum Benefit Commitments for the Beaumont Management Zone [Workshop Memorandum No. 12-051 - Page 44 of 168]

V. Operational Issues

A. Appurtenance Evaluation of Modular Backflow Assemblies [Workshop Memorandum No. 12-052 - Page 103 of 168]

VI. Development Issues

A. Development Agreement for Tract No. 13375 Located on Oak Glen Road Approximately 1,500 Feet East of Fremont Street, Yucaipa [Workshop Memorandum No. 12-053 - Page 105 of 168]

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Erin Anton at (909) 797-5117, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this agenda submitted to the Board of Directors after distribution of the workshop packet are available for public inspection during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting material is also be available on the District's website at www.yvwd.dst.ca.us

VII. Capital Improvement Projects

A. Status Report on the Construction of the Yucaipa Valley Regional Brineline [Workshop Memorandum No. 12-054 - Page 125 of 168]

B. Status Report on the Construction of the R-10 Recycled Water Reservoir and Booster Complex [Workshop Memorandum No. 12-055 - Page 130 of 168]

C. Status Report on the Construction of the Crow Street Pipeline Facilities [Workshop Memorandum No. 12-056 - Page 132 of 168]

D. Status Report on the Construction of the Recycled Water Booster Facility at the Reservoir R-12.1 Complex [Workshop Memorandum No. 12-057 - Page 133 of 168]

E. Status Report on the Construction of the Wochholz Improved Salinity Effluent (WISE) Project [Workshop Memorandum No. 12-058 - Page 134 of 168]

F. Status Report on the Construction of the Crafton Hills Reservoir Expansion Project by the Department of Water Resources [Workshop Memorandum No. 12-059 - Page 136 of 168]

VIII. Administrative Issues

A. Unaudited Financial Report for the Period Ending February 29, 2012 [Workshop Memorandum No. 12-060 - Page 139 of 168]

B. Renewal of Medical Insurance [Workshop Memorandum No. 12-061 - Page 168 of 168]

IX. Director Comments

X. Closed Session

A. Conference with Real Property negotiator(s) (Government Code 54956.8)
Property: Assessor's Parcel Number: 301-201-29
Agency Negotiator: Joseph Zoba, General Manager
Negotiating Parties: Palmer General Corporation
Under Negotiation: Terms of Payment and Price

B. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: IBEW Local Union 14356 - YVWD Employees Association

C. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Supervisor Bargaining Unit

D. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Confidential Employee Bargaining Unit

E. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Exempt Employee Bargaining Unit

XI. Adjournment

STAFF REPORT

PRESENTATIONS

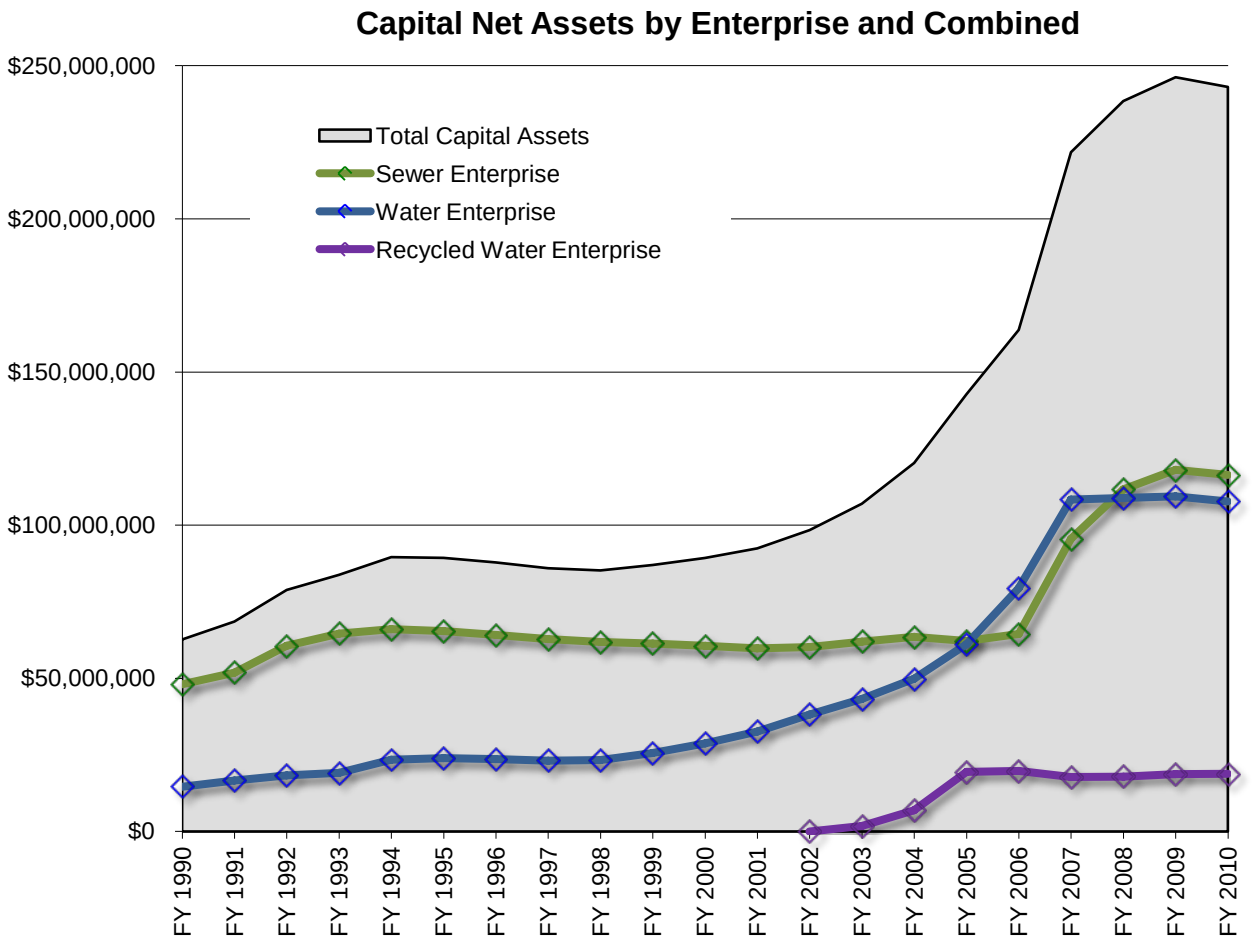
Yucaipa Valley Water District

Workshop Memorandum 12-050

Date: **March 13, 2012**

Subject: **American Water Works Association Report - Buried No Longer: Confronting America's Water Infrastructure Challenge**

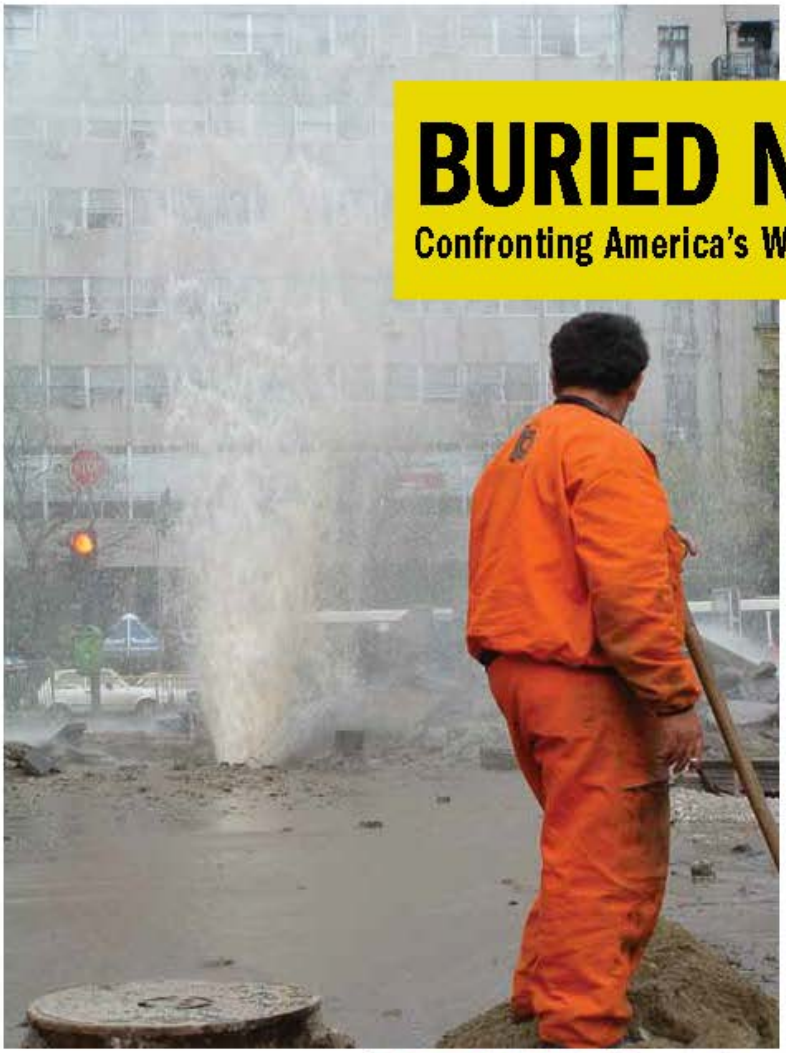
The Yucaipa Valley Water District continues to make significant progress on investing in the replacement and enhancement of water, sewer and recycled water infrastructure for our customers. In 2002, the total capital net assets of the District were about $100 million. Over the past decade the District invested over $150 million to arrive at a current capital net asset value of about $250 million. These values do not reflect the projects currently under construction and anticipated to be completed by the end of this calendar year.



According to the American Water Works Association, the investment needed for buried drinking water infrastructure in the United States totals more than $1 trillion between now and 2035. The need will double from roughly $13 billion a year today to almost $30 billion (in 2010 dollars) annually by the 2040's. This additional cost is expected to be met primarily through higher water bills and local fees.

BURIED NO LONGER:

Confronting America's Water Infrastructure Challenge



American Water Works Association

The Authoritative Resource on Safe Water®

Acknowledgments

This report was developed by the American Water Works Association under the direction of its Water Utility Council, through Stratus Consulting in Boulder, Colorado. Significant portions of the analyses described in this report were initiated or developed by John Cromwell, who unfortunately passed away before this project was completed. John was a true visionary, a wonderful friend and colleague, and an ardent believer in promoting sound management of water system infrastructure. We hope this report does proper service to John's intent, integrity and passion. Special recognition is also due to Bob Raucher, who completed the work with great attention to detail, patience and outstanding professionalism.

Haydn Reynolds is the developer of the Nessie Model and managed all the empirical investigations in this report. His continued engagement in the development of this report has been exemplary, as has been his willingness to address the many questions involved in the transition of the final report preparation from John Cromwell to Bob Raucher and others at Stratus Consulting. Finally, but not least, a number of AWWA utility members did significant work on this project, including Dave Rager (who chairs the Water Utility Council), Mike Hooker (who was WUC chair when the report was initiated), Aurel Arndt (who chairs the advisory work group on this project), and Joe Bella, John Sullivan, Richard Talley, Robert Walters, and Dave Weihrauch, all of whom made significant contributions as members of the advisory work group.

Project Funding

Funding for this project was provided by the Water Industry Technical Action fund (WITAF). WITAF is funded through AWWA organizational member dues. It supports activities, information, and analysis to advance sound and effective drinking water legislation, regulation and policy.

Introduction. A new kind of challenge is emerging in the United States, one that for many years was largely buried in our national consciousness. Now it can be buried no longer. Much of our drinking water infrastructure, the more than one million miles of pipes beneath our streets, is nearing the end of its useful life and approaching the age at which it needs to be replaced. Moreover, our shifting population brings significant growth to some areas of the country, requiring larger pipe networks to provide water service.

As documented in this report, restoring existing water systems as they reach the end of their useful lives and expanding them to serve a growing population will cost at least $1 trillion over the next 25 years, if we are to maintain current levels of water service. Delaying the investment can result in degrading water service, increasing water service disruptions, and increasing expenditures for emergency repairs. Ultimately we will have to face the need to "catch up" with past deferred investments, and the more we delay the harder the job will be when the day of reckoning comes.

In the years ahead, all of us who pay for water service will absorb the cost of this investment, primarily through higher water bills. The amounts will vary depending on community size and geographic region, but in some communities these infrastructure costs alone could triple the size of a typical family's water bills. Other communities will need to collect significant "impact" or development fees to meet the needs of a growing population. Numerous communities will need to invest for replacement **and** raise funds to accommodate growth at the same time. Investments that may be required to meet new standards for drinking water quality will add even more to the bill.

Although the challenge to our water infrastructure has been less visible than other infrastructure concerns, it's no less important. Our water treatment and delivery systems provide public health protection, fire protection, economic prosperity and the high quality of life we enjoy. Yet most Americans pay less than $3.75 for every 1,000 gallons of safe water delivered to their taps.

This report demonstrates that as a nation, we need to bring the conversation about water infrastructure above ground. Deferring needed investments today will only result in greater expenses tomorrow and pass on a greater burden to our children and grandchildren. It's time to confront America's water infrastructure challenge.

The Era of Infrastructure Replacement. More than a decade ago the American Water Works Association (AWWA) announced that a new era was dawning: the replacement era, in which our nation would need to begin rebuilding the water and wastewater systems bequeathed to us by earlier generations. Our seminal report—*Dawn of the Replacement Era*—demonstrated that significant investments will be required in coming decades if we are to maintain the water and wastewater systems that are so essential to our way of life.

The *Dawn* report examined 20 water systems, using a relatively new technique to build what came to be called a "Nessie Curve" for each system. The Nessie Curve, so called because the graph follows an outline that someone likened to a silhouette of the Loch Ness Monster, revealed that each of the 20 water systems faced unprecedented needs to rebuild its underground water infrastructure—its pipe network. For each system, the future investment was an "echo" of the demographic history of the community, reflecting succeeding generations of pipe that were laid down as the community grew over many years. Most of those generations of pipe were shown to be coming to an end of their useful service lives in a relatively compressed period. Like the pipes themselves, the need for this massive investment was mostly buried and out of sight. But it threatens our future if we don't elevate it and begin to take action now.

The present report was undertaken to extend the *Dawn* report beyond those 20 original cities and encompass the entire United States. The results are startling. They confirm what every water utility professional knows: we face the need for massive reinvestment in our water infrastructure over the coming decades. The pipe networks that were largely built and paid for by earlier generations—and passed down to us as an inheritance—last a long time, but they are not immortal. The nation's drinking water infrastructure—especially the underground pipes that deliver safe water to America's homes and businesses—is aging and in need of significant reinvestment. Like many of the roads, bridges, and other public assets on which the country relies, most of our buried drinking water infrastructure was built 50 or more years ago, in the post-World War II era of rapid demographic change and economic growth. In some older urban areas, many water mains have been in the ground for a century or longer.

Given its age, it comes as no surprise that a large proportion of US water infrastructure is approaching, or has already reached, the end of its useful life. The need to rebuild these pipe networks must come on top of other water investment needs, such as the need to replace water treatment plants and storage tanks, and investments needed to comply with standards for drinking water quality. They also come on top of wastewater and stormwater investment needs which—judging from the US Environmental Protection Agency's (USEPA) most recent "gap analysis"—are likely to be as large as drinking water needs over the coming decades. Moreover, both water and wastewater infrastructure needs come on top of the other vital community infrastructures, such as streets, schools, etc.

Prudent planning for infrastructure renewal requires credible, analysis-based estimates of where, when, and how much pipe replacement or expansion for growth is required. This report summarizes a comprehensive and robust national-level analysis of the cost, timing, and location of the investments necessary to renew water mains over the coming decades. It also examines the additional pipe investments we can anticipate to meet projected population growth, regional population shifts, and service area growth through 2050.

This analysis is based on the insight that there will be "demographic echoes" in which waves of reinvestment are driven by a combination of the original patterns of pipe investment, the pipe materials used, and local operating environments. The report examines the reinvestment demands implied by these factors, along with population trends, in order to estimate needs for pipe replacement and concurrent investment demands to accommodate population growth.

Although this report does not substitute for a careful and detailed analysis at the utility level as a means of informing local decisions, it constitutes the most thorough and comprehensive analysis ever undertaken of the nation's drinking water infrastructure renewal needs. The keys to our analysis include the following:

1. Understanding the original timing of water system development in the United States.
2. Understanding the various materials from which pipes were made, and where and when the pipes of each material were likely to have been installed in various sizes.
3. Understanding the life expectancy of the various types and sizes of pipe ("pipe cohorts") in actual operating environments.
4. Understanding the replacement costs for each type and size of pipe.
5. Developing a probability distribution for the "wear-out" of each pipe cohort.

Methodology

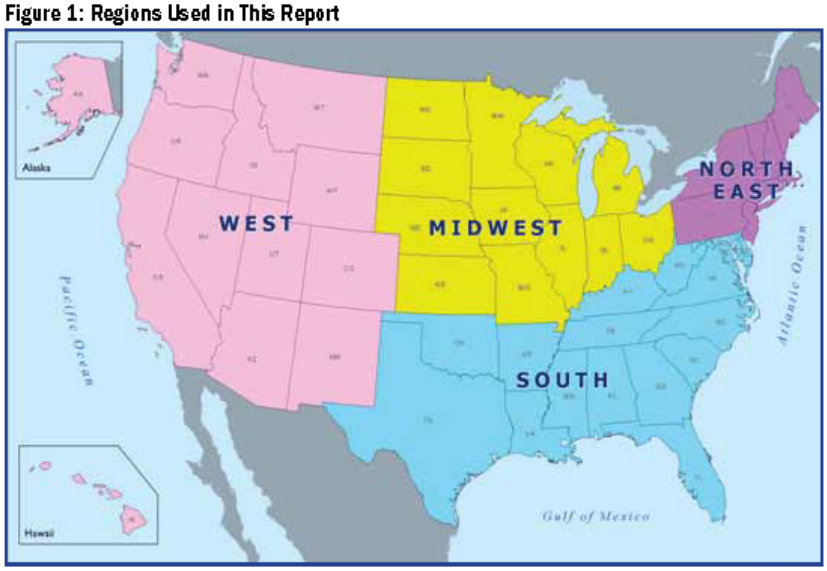
For this report, we differentiated across four water system size categories*:

- Very small systems (serving fewer than 3,300 people, representing 84.5% of community water systems).
- Small systems (3,300 to 9,999 served, representing 8.5% of community water systems).
- Medium-size systems (10,000 to 49,999 served, representing over 5.5% of systems). And,
- Large systems (serving more than 50,000 people, representing 1.5% of community water systems).

** Note that the water system size categories used in this analysis are not identical to the size categories USEPA uses for regulatory purposes. Note also that although data were analyzed based on these four size categories, some of the graphs that accompany this report combine medium-size and small systems. This is done for simplicity in the visual presentation, when the particular dynamics being represented are closely similar for medium-size and small systems.*

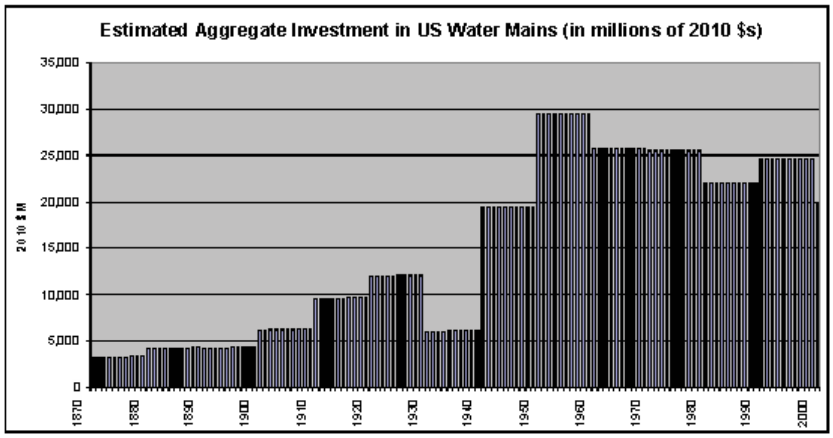
Next, we divided the country into four regions (Northeast, Midwest, South, and West), as shown in Figure 1. These regions are not equal in population, but they roughly share certain similarities, including their population dynamics and the

Figure 1: Regions Used in This Report



historical patterns of pipe installation driven by those dynamics. Data published by USEPA, the water industry, and the US Census Bureau were tapped to obtain a solid basis for regional pipe installation profiles by system size and pipe diameter. The US Census Bureau has produced a number of retrospective studies of the changes in urban and rural circumstances between 1900 and 2000 that proved especially useful in this analysis. The report also used the AWWA Water/Stats database, the USEPA Community Water Supply Survey, and data from the 2002 Public Works Infrastructure Survey (PWIS) as essential inputs in the analysis.

Figure 2: Historic Investment Profile for All US Water Systems, 1850-2000



In addition, we conducted a limited survey of professionals in the field concerning pipe replacement issues and other relevant "professional knowledge." The national aggregate for the original investment in all types and sizes of pipes is shown in Figure 2, while Figure 3 shows the aggregate current replacement value of water pipes by pipe material and utility size, totaling over $2.1 trillion.

Figure 3: Aggregate Replacement Value of Water Pipes by Pipe Material and Utility Size (millions 2010 $s)

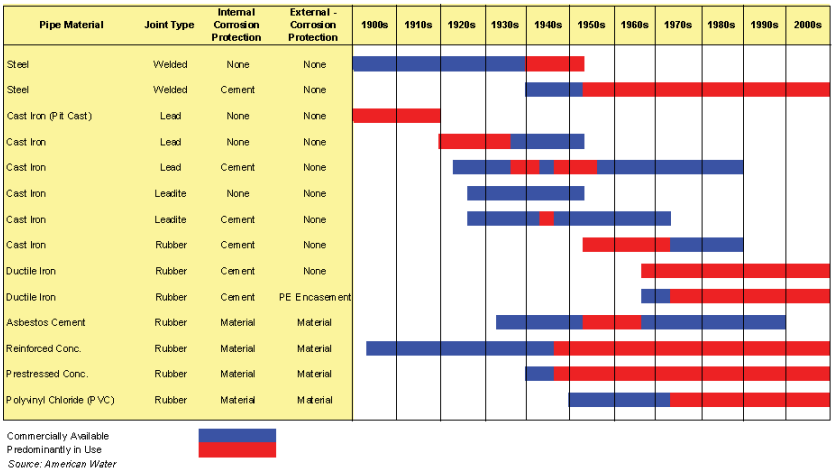
Region	CI	CICL	DI	AC	PV	Steel	PCCP	TOTAL
Northeast Large	48,958	8,995	5,050	2,308	1,875	335	0	67,522
Northeast Medium & Small	66,357	61,755	28,777	26,007	16,084	5,533	6,899	211,411
Northeast Very Small	14,491	15,992	10,661	7,281	7,937	329	462	57,152
Midwest Large	37,413	9,151	3,077	2,504	1,098	784	512	54,539
Midwest Medium & Small	74,654	92,106	51,577	37,248	30,506	8,682	11,152	305,925
Midwest Very Small	37,597	28,943	25,464	12,428	19,720	601	828	125,581
Southeast Large	30,425	28,980	29,569	21,229	14,936	9,337	7,227	141,703
South Medium & Small	54,772	98,608	140,079	103,659	102,804	21,394	17,160	538,475
South Very Small	43,183	24,998	49,791	34,529	47,823	1,461	1,244	203,028
West Large	15,448	16,055	28,949	14,774	14,723	7,443	6,215	103,607
West Medium & Small	15,775	50,145	70,355	50,541	48,885	12,276	9,806	257,782
West Very Small	16,344	11,199	17,910	13,166	17,245	545	453	76,862
Total	455,416	446,927	461,258	325,674	323,637	68,719	61,957	2,143,589

CI: cast iron; CICL: cast iron cement lined; DI: ductile iron; AC: asbestos cement; PV: polyvinyl chloride; PCCP: prestressed concrete cylinder pipe

Finally, we used historical data on the production and use of seven major types of pipe with 14 total variations (Figure 4) to estimate what kinds of pipe were installed in water systems in particular years. This was validated by field checking with a sample of water utilities as well as checking against the original Nessie analysis. Together these steps resulted in the development of 16 separate inventories (four regions with four utility sizes in each region), with seven types of pipe in each inventory, *thus providing the most comprehensive picture of the nation's water pipe inventory ever assembled.* Note that in some of the report's graphs, "long-" and "short-lived" versions of certain pipe materials are combined, for purposes of visual simplicity in the presentation.

In order to consider growth, it was also necessary to examine population trends across rural, suburban, and urban settings over the past century. US Census Bureau

Figure 4: Historic Production and Use of Water Pipe by Material



projections of demographic trends allowed the development of infrastructure need profiles for growth through 2050 in each of the regions and utility size categories (for the latter purpose, city size was used as a proxy for utility size).

The study generally assumes that utilities continue efforts to manage the number of main breaks that occur per mile of pipe rather than absorb increases in pipe failures. That is, the study assumes utilities will strive to maintain current levels of service rather than allow increasing water service outages. We assume that each utility's objective is to make these investments at the optimal time for maintaining current service levels and to avoid replacing pipes while the repairs are still cost-effective. Ideally, pipe replacement occurs at the end of a pipe's "useful life"; that is, the point in time when replacement or rehabilitation becomes less expensive in going forward than the costs of numerous unscheduled breaks and associated emergency repairs.

With this data in hand and using the assumptions above, we projected the "typical" useful service life of the pipes in our inventory using the "Nessie Model"™. The model embodies pipe failure probability distributions based on many utilities' current operating experiences, coupled with insights from extensive research and professional experiences with typical pipe conditions at different ages and sizes, according to pipe material. The analysis used seven different types of pipe in three diameters and addressed pipe inventories dating back to 1870. Estimated typical service lives of pipes are

Figure 5: Average Estimated Service Lives by Pipe Materials (average years of service)

Derived Current Service Lives (Years)	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	DI (SSL)	AC (LSL)	AC (SSL)	PVC	Steel	Conc & PCCP
Northeast Large	130	120	100	110	50	80	80	100	100	100
Midwest Large	125	120	85	110	50	100	85	55	80	105
South Large	110	100	100	105	55	100	80	55	70	105
West Large	115	100	75	110	60	105	75	70	95	75
Northeast Medium & Small	115	120	100	110	55	100	85	100	100	100
Midwest Medium & Small	125	120	85	110	50	70	70	55	80	105
South Medium & Small	105	100	100	105	55	100	80	55	70	105
West Medium & Small	105	100	75	110	60	105	75	70	95	75
Northeast Very Small	115	120	100	120	60	100	85	100	100	100
Midwest Very Small	135	120	85	110	60	80	75	55	80	105
South Very Small	130	110	100	105	55	100	80	55	70	105
West Very Small	130	100	75	110	60	105	65	70	95	75

LSL indicates a relatively long service life for the material resulting from some combination of benign ground conditions and evolved laying practices etc.
SSL indicates a relatively short service life for the material resulting from some combination of harsh ground conditions and early laying practices, etc.

Figure 6: Aggregate Needs for Investment in Water Mains Through 2035 and 2050, by Region

2011-2035 Totals			
(2010 $M)	Replacement	Growth	Total
Northeast	$92,218	$16,525	$108,744
Midwest	$146,997	$25,222	$172,219
South	$204,357	$302,782	$507,139
West	$82,866	$153,756	$236,622
Total	**$526,438**	**$498,285**	**$1,024,724**

2011-2050 Totals			
(2010 $M)	Replacement	Growth	Total
Northeast	$155,101	$23,200	$178,301
Midwest	$242,487	$36,755	$279,242
South	$394,219	$492,493	$886,712
West	$159,476	$249,794	$409,270
Total	**$951,283**	**$802,242**	**$1,753,525**

reflected in Figure 5. Note that the *actual* lives of pipes may be quite different in a given utility. Because pipe life depends on many important local variables as well as upon utility practices, predicting the actual life expectancy of any given pipe is outside the scope of this study. Many utilities will have pipes that last much longer than these values suggest while others will have pipes that begin to fail sooner. However, these values have been validated as national "averages" by comparing them to actual field experience in a number of utilities throughout the country. The model also includes estimates of the indicative costs to replace each size category of pipe, as well as the cost to repair the projected number of pipe breaks over time according to pipe size.

The analysis of pipe replacement needs is compiled in the Nessie Model by combining the demographically based pipe inventories with the projected effective service lifetimes for each pipe type. This yields an estimate of how much pipe of each size in each region must be replaced in each of the coming 40 years. Factoring in the typical cost to replace these pipes, we derive an estimate of the total investment cost for each future year. The model then derives a series of graphs (the Nessie curves) that depict the amount of spending required in each future year to replace each of the different pipe types by utility size and region. Aggregating this information, we derived the dollar value of total drinking water infrastructure replacement needs over the coming 25 and 40 years for each utility size category per region, and for the United States.

Key Findings

1. The Needs Are Large. *Investment needs for buried drinking water infrastructure total more than $1 trillion nationwide over the next 25 years,* assuming pipes are replaced at the end of their service lives and systems are expanded to serve growing populations. Delaying this investment could mean either increasing rates of pipe breakage and deteriorating water service, or suboptimal use of utility funds, such as paying more to repair broken pipes than the long-term cost of replacing them. Nationally, the need is close to evenly divided between replacement due to wear-out and needs generated by demographic changes (growth and migration).

Over the coming 40-year period, *through 2050, these needs exceed $1.7 trillion.* Replacement needs account for about 54% of the national total, with about 46% attributable to population growth and migration over that period.

Figure 6 (previous page) shows aggregate needs for investment in water mains through 2050, due to wear-out and population growth.

2. Household Water Bills Will Go Up. Important caveats are necessary here, because there are many ways that the increased investment in water infrastructure can be allocated among customers. Variables include rate structures, how the investment is financed, and other important local factors. But the level of investment required to replace worn-out pipes and maintain current levels of water service *in the most affected communities could in some cases triple household water bills.* This projection assumes the costs are spread evenly across the population in a "pay-as-you-go" approach (See "The Costs Keep Coming" below). Figures 7 and 8 illustrate the increasing cost of water that can be expected by households for replacement, and for replacement plus growth, respectively. The utility categories shown in these figures are presented to depict a range of household cost impacts, from the least-to-the-most affected utilities.

Figure 7: Costs per Household for Water Main Replacement by Utility Size and Region

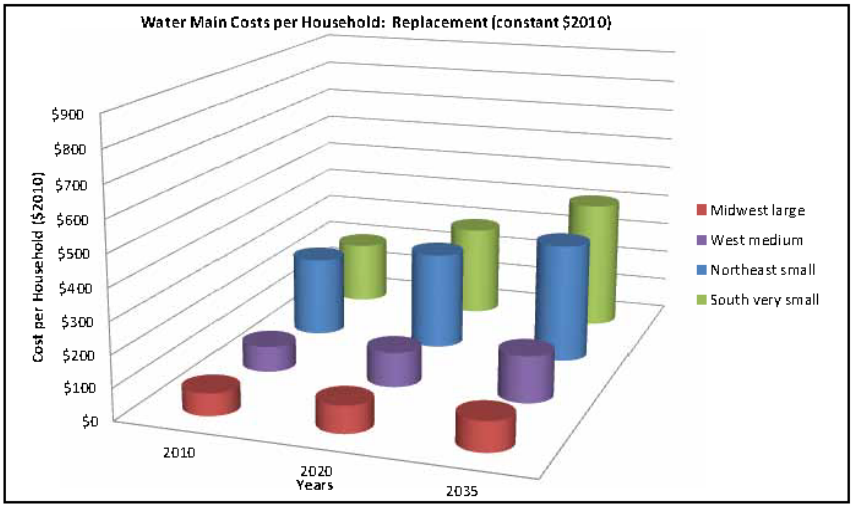
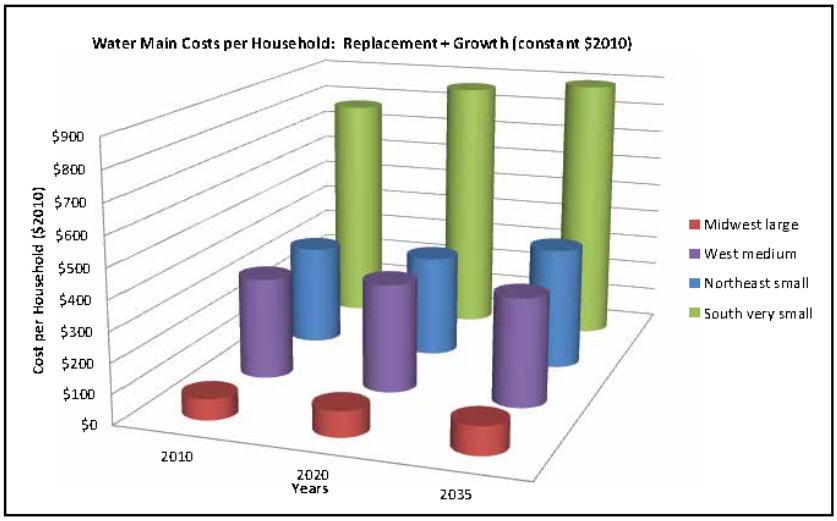


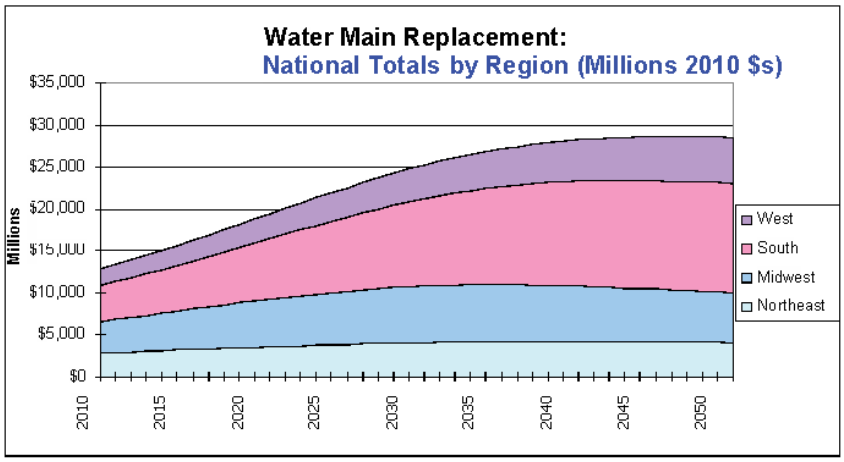
Figure 8: Costs per Household for Water Main Replacement Plus Growth



With respect to the cost of growth, other caveats are important. Many communities expect growth to pay or help pay for itself through developer fees, impact fees, or similar charges. In such communities, established residents will not be required to shoulder the cost of population growth to the extent that these fees recover those costs. *But regardless of how the costs of replacement and growth are allocated among builders, newcomers, or established residents, the total cost that must be borne by the community will still rise.*

3. There Are Important Regional Differences. The growing national need affects different regions in different ways. In general, the South and the West will face the steepest investment challenges, with total needs accounting for considerably more than half the national total (see Figures 6 and 9). This is largely attributable to the fact that the population of these regions is growing rapidly. In contrast, in the Northeast and Midwest, growth is a relatively small component of the projected need. However, the population shifts away from these regions complicate the infrastructure challenge, as there are fewer remaining local customers across whom to spread the cost of renewing their infrastructure.

Figure 9: Water Main Replacement Costs per Region

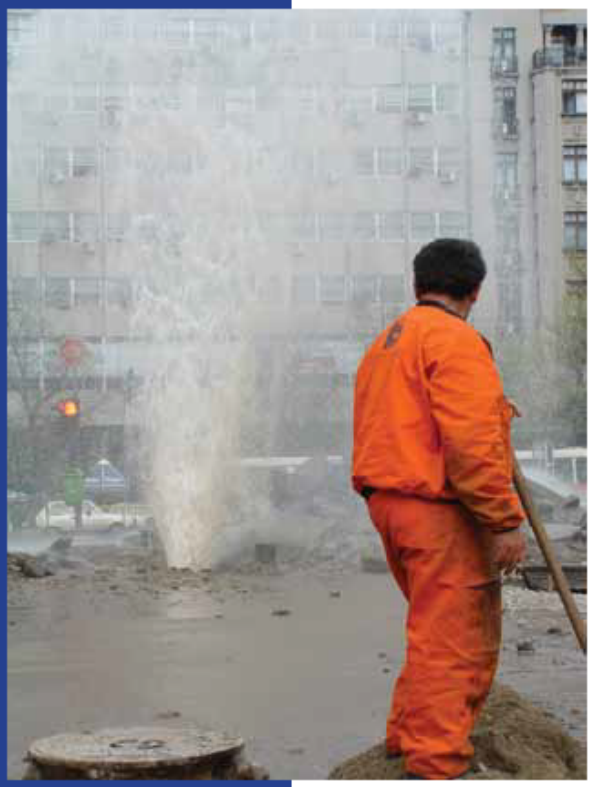


This regional perspective reveals the inherent difficulty of managing infrastructure supply and demand. Although water pipes are fixed in place and long-lasting, the population that drives the demand for these assets is very mobile and dynamic. People move out of one community, leaving behind a pipe network of fixed size but with fewer customers to support it. They move into a new community, requiring that the water system there be expanded to serve the new customers.

4. There Are Important Differences Based on System Size.

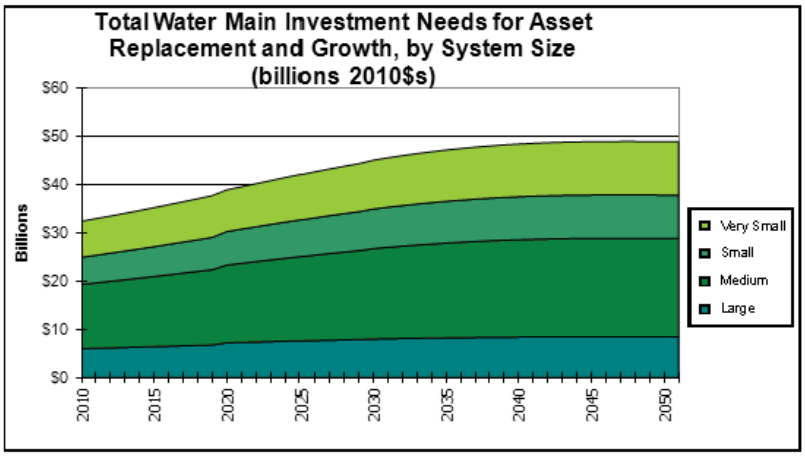
As with many other costs, *small communities may find a steeper challenge ahead on water infrastructure.* Small communities have fewer people, and those people are often more spread out, requiring more pipe "miles per customer" than larger systems. In the most affected small communities, the study suggests that a typical three-person household could see its drinking water bill increase by as much as $550 per year above current levels, simply to address infrastructure needs, depending as always on the caveats identified above.

In the largest water systems, costs can be spread over a large population base. Needed investments would be consistent with annual per household cost increases ranging from roughly $75 to more than $100 per year by the mid-2030s, assuming the expenses were spread across the population in the year they were incurred. Figure 10 illustrates the differing total costs of required investment by system size.



5. The Costs Keep Coming. The national-level investment we face will roughly double from about $13 billion a year in 2010 to almost $30 billion annually by the 2040s for replacement alone. If growth is included, needed investment must increase from a little over $30 billion today to nearly $50 billion over the same period. This level of investment must then be sustained for many years, if current levels of water service are to be maintained. *Many utilities will have to face these investment needs year after year, for at least several decades.* That is, by the time the last cohort of pipes analyzed in this study (predominantly the pipes laid between the late 1800s and 1960) has been replaced in, for example, 2050, it may soon thereafter be time to begin replacing the pipes laid after 1960, and so on. In that respect, these capital outlays are unlike those required to build a new treatment plant or storage tank, where the capital costs are incurred up front and aren't faced again for many years. Rather, infrastructure renewal investments are likely to be incurred each year over several decades. For that reason, *many utilities may choose to finance infrastructure replacement on a "pay-as-you-go" basis rather than through debt financing.*

Figure 10: Total Water Main Replacement and Growth Needs by System Size



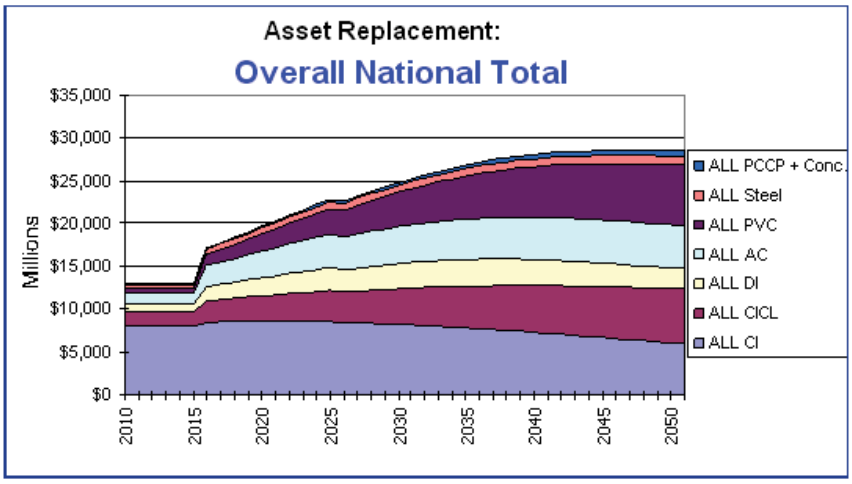
6. Postponing Investment Only Makes the Problem Worse.

Overlooking or postponing infrastructure renewal investments in the near term will only add to the scale of the challenge we face in the years to come. Postponing the investment steepens the slope of the investment curve that must ultimately be met, as shown in Figure 11 (next page). It also increases the odds of facing the high costs associated with water main breaks and other infrastructure failures. The good news is that *not all of the $1 trillion investment through 2035 must be made right now.* There is time to make suitable plans and implement policies that will help address the longer-term challenge. The bad news is that the required investment level is growing, as more pipes continue to age and reach the end of their effective service lives.

As daunting as the figures in this report are, the prospect of not making the necessary investment is even more chilling. Aging water mains are subject to more frequent breaks and other failures that can threaten public health and safety (such as compromising tap water quality and fire-fighting flows). Buried infrastructure failures also may impose significant damages (for example, through flooding and sinkholes), are costly to repair, disrupt businesses and residential communities, and waste precious water resources. These maladies weaken our economy and undermine our quality of life. As large as the cost of reinvestment may be, **not** undertaking it will be worse in the long run by almost any standard.

This suggests that a crucial responsibility for utility managers now and in the future is to develop the processes necessary to continually improve their understanding of the "replacement dynamics" of their own water systems. Those dynamics should be reflected in an Asset Management Plan (AMP) and, of course, in a long-term capital investment plan. The 2006 AWWA Report *Water Infrastructure at a Turning Point* includes a full discussion of this issue.

Figure 11: Effect of Deferring Investment Five Years with a Ten-Year Make-Up Period



Conclusion

Because pipe assets last a long time, water systems that were built in the latter part of the 19th century and throughout much of the 20th century have, for the most part, never experienced the need for pipe replacement on a large scale. The dawn of the era in which these assets will need to be replaced puts a growing financial stress on communities that will continually increase for decades to come. It adds large and hitherto unknown expenses to the more apparent above-ground spending required to meet regulatory standards and address other pressing needs.

It is important to reemphasize that there are significant differences in the timing and magnitude of the challenges facing different regions of the country and different sizes of water systems. But the investments we describe in this report are real, they are large, and they are coming.

The United States is reaching a crossroads and faces a difficult choice. We can incur the haphazard and growing costs of living with aging and failing drinking water infrastructure. Or, we can carefully prioritize and undertake drinking water infrastructure renewal investments to ensure that our water utilities can continue to reliably and cost-effectively support the public health, safety, and economic vitality of our communities. AWWA undertook this report to provide the best, most accurate information available about the scale and timing of these needed investments.

It is clear the era AWWA predicted a decade ago—the replacement era—has arrived. The issue of aging water infrastructure, which was buried for years, can be buried no longer. Ultimately, the cost of the renewal we face must come from local utility customers, through higher water rates. However, the magnitude of the cost and the associated affordability and other adverse impacts on

communities—as well as the varying degrees of impact to be felt across regions and across urban and rural areas—suggest that there is a key role for states and the federal government as well. In particular, states and the federal government can help with a careful and cost-effective program that lowers the cost of necessary investments to our communities, such as the creation of a credit support program—for example, AWWA's proposed Water Infrastructure Finance and Innovation Authority (WIFIA).

Finally, in many cases, difficult choices may need to be made between competing needs if water bills are to be kept affordable. Water utilities are willing to ask their customers to invest more, but it's important this investment be in things that bring the greatest actual benefit to the community. Only in that spirit can we achieve the goal to which we all aspire, the reliable provision of safe and affordable water to all Americans.

Additional Information and Resources.

A full and robust infrastructure analysis is an indispensable tool for decision making by water and wastewater utilities. This report does not substitute for such detailed local analysis for purposes of designing an infrastructure asset management program for individual utilities.

Additional information is available from AWWA concerning asset management. Particular attention should be given to the WITAF reports *Dawn of the Replacement Era, Avoiding Rate Shock, Thinking Outside the Bill* and *Water Infrastructure at a Turning Point.* In addition, Manual M1, *Principles of Water Rates, Fees, and Charges*, and the AWWA Utility Management Standards may be helpful. For more information, visit the AWWA Bookstore at **www.awwa.org/store.**

A number of graphs and figures from this report are also available through the AWWA website at **www.awwa.org/infrastructure.** They include:

Estimated Distribution of Mains by Material
Northeast and Midwest
South and West

Proportion of 2010 Systems Built by Year
Northeast
Midwest
South
West

Investment for Replacement Plus Growth, by Region and Size of Utility

Northeast
Large
Medium
Small
Very Small

Midwest
Large
Medium
Small
Very Small

South
Large
Medium
Small
Very Small

West
Large
Medium
Small
Very Small

Household Cost of Needed Investment by Region and Size of Utility

Northeast
Large
Medium
Small
Very Small

Midwest
Large
Medium
Small
Very Small

South
Large
Medium
Small
Very Small

West
Large
Medium
Small
Very Small

www.awwa.org/infrastructure

Estimated Distribution of Mains by Material Over Time
Northeast & Midwest Regions

	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	DI (SSL)	AC (LSL)	AC (SSL)	PVC	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	DI (SSL)	AC (SSL)	AC (LSL)	PVC	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	AC (LSL)	Steel	Conc & PCCP
	<6 inch diameter								6-10 inch diameter								>10 inch diameter						
1870	100%								100%								100%						
1880	100%								100%								100%						
1890	100%								100%								100%						
1900	100%								100%								100%						
1910	100%								100%								100%						
1920	100%								100%								100%						
1930	50%	30%	20%						50%	30%	20%						50%	30%	20%				
1940	20%	60%	20%						20%	60%	20%						20%	40%	20%			20%	
1950		60%				20%	20%			60%				20%	20%			40%			10%	20%	30%
1960		50%			10%	20%	20%			50%			10%	20%	20%			35%		5%	10%	20%	30%
1970		20%			40%			40%		20%			40%			40%				50%		20%	30%
1980				25%	30%			45%				25%	35%			40%				60%		15%	25%
1990				50%	5%			45%				50%	5%			45%				60%		15%	25%
2000				55%				45%				55%				45%				60%		15%	25%
2010				55%				45%				55%				45%				60%		15%	25%
2020				55%				45%				55%				45%				60%		15%	25%
2030				55%				45%				55%				45%				60%		15%	25%

Steel and PCCP pipe not in widespread use in sizes under 10 inches.

CI: cast iron; CICL: cast iron cement lined; DI: ductile iron; AC: asbestos cement; PV: polyvinyl chloride; PCCP: prestressed concrete cylinder pipe

The regions are combined because they share similar dynmaics for this distribution.

Note:
"LSL" indicates a relatively long service life for the material resulting from some combination of benign ground conditions and evolved laying practices etc.

"SSL" indicates a relatively short service life for the material resulting from some combination of harsh ground conditions and early laying practices etc.

Estimated Distribution of Mains by Material Over Time
South & West Regions

	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	DI (SSL)	AC (LSL)	AC (SSL)	PVC	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	DI (SSL)	AC (LSL)	AC (SSL)	PVC	CI	CICL (LSL)	CICL (SSL)	DI (LSL)	AC (LSL)	Steel	Conc & PCCP
	<6 inch diameter								6-10 inch diameter								>10 inch diameter						
1870	100%								100%								100%						
1880	100%								100%								100%						
1890	100%								100%								100%						
1900	100%								100%								100%						
1910	100%								100%								100%						
1920	100%								100%								100%						
1930	50%	30%	20%						50%	30%	20%						50%	30%	20%				
1940		70%	30%							70%	30%							50%	30%			20%	
1950		25%				40%	35%			25%				40%	35%			40%			15%	25%	20%
1960		25%		2%	3%	40%	30%			25%		2%	3%	40%	30%			40%		5%	10%	25%	20%
1970		10%		10%	10%	40%		30%		10%		10%	10%	40%		30%				45%	10%	25%	20%
1980				25%	25%			50%				30%	30%			40%				60%		20%	20%
1990				45%	5%			50%				50%	5%			45%				60%		20%	20%
2000				50%				50%				50%				50%				60%		20%	20%
2010				50%				50%				50%				50%				60%		20%	20%
2020				50%				50%				50%				50%				60%		20%	20%
2030				50%				50%				50%				50%				60%		20%	20%
Steel and PCCP pipe not in widespread use in sizes under 10 inches.																							
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Note:
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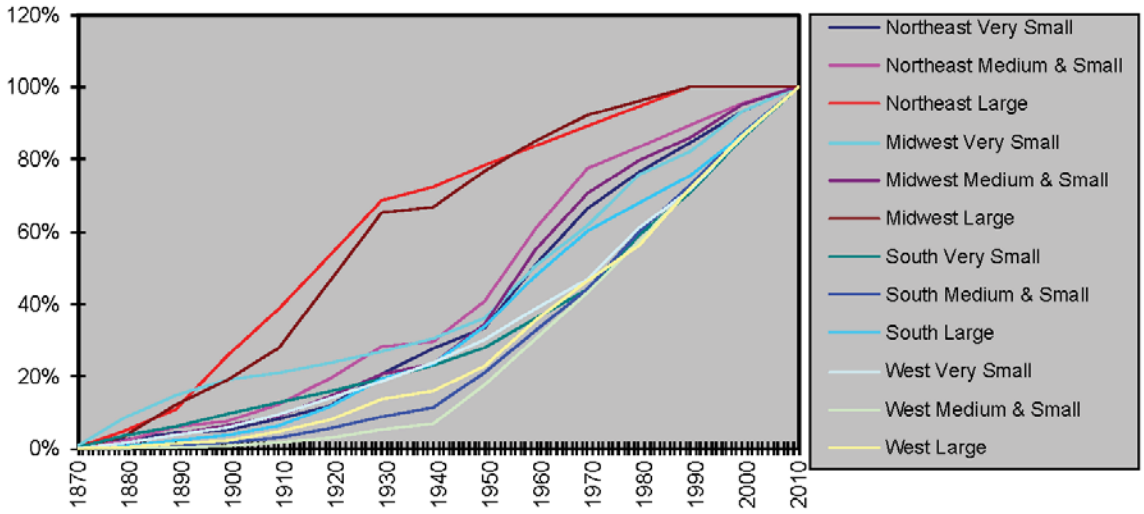
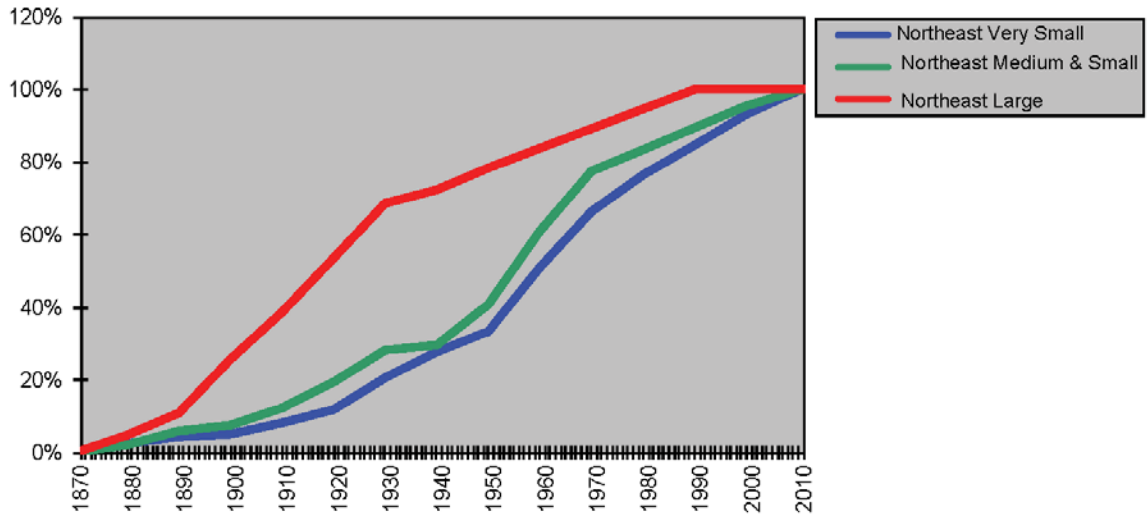
"SSL" indicates a relatively short service life for the material resulting from some combination of harsh ground conditions and early laying practices etc.

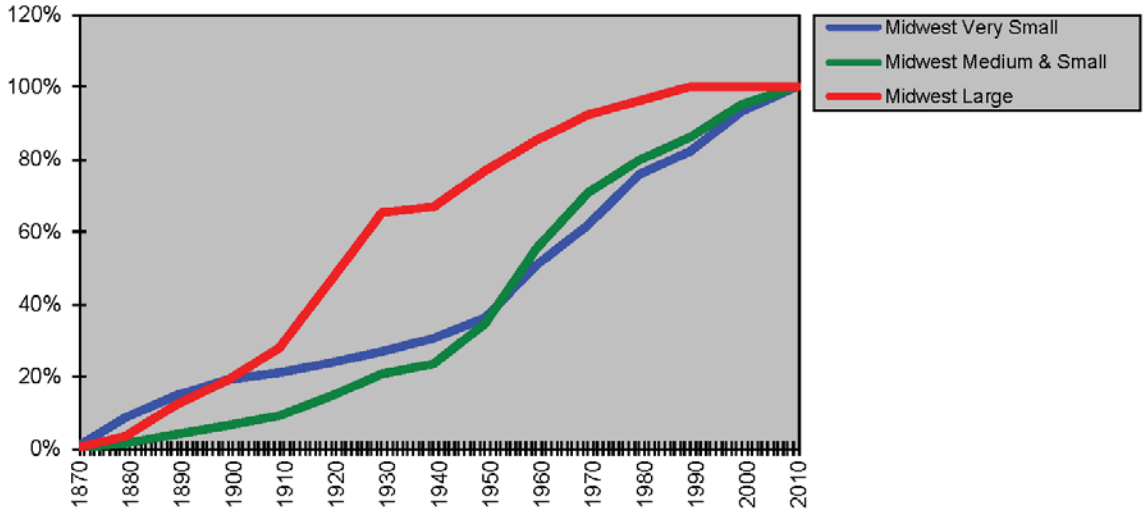
Proportion of Current System Built by Decade: All Regions



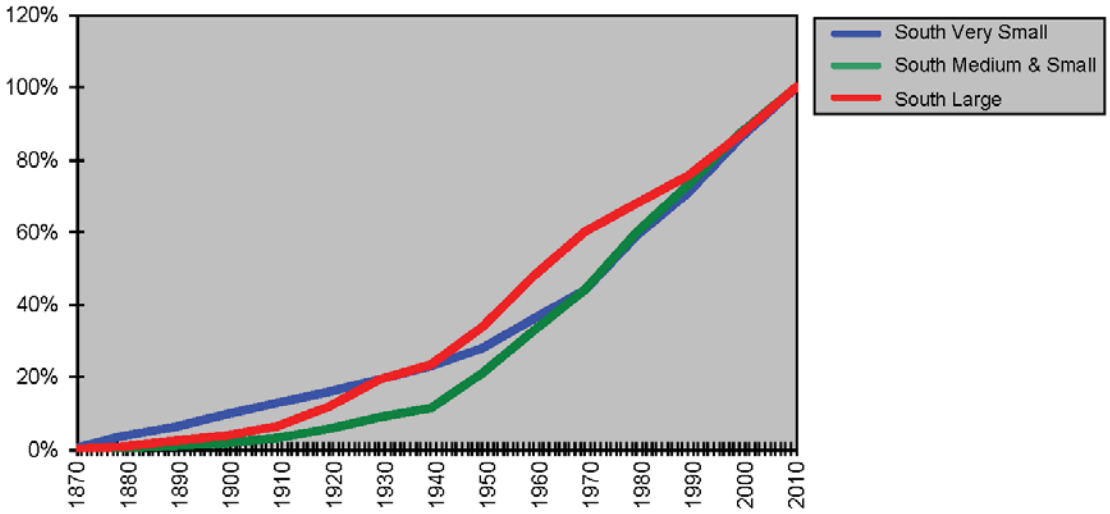
Proportion of Current System Built by Decade: Northeast



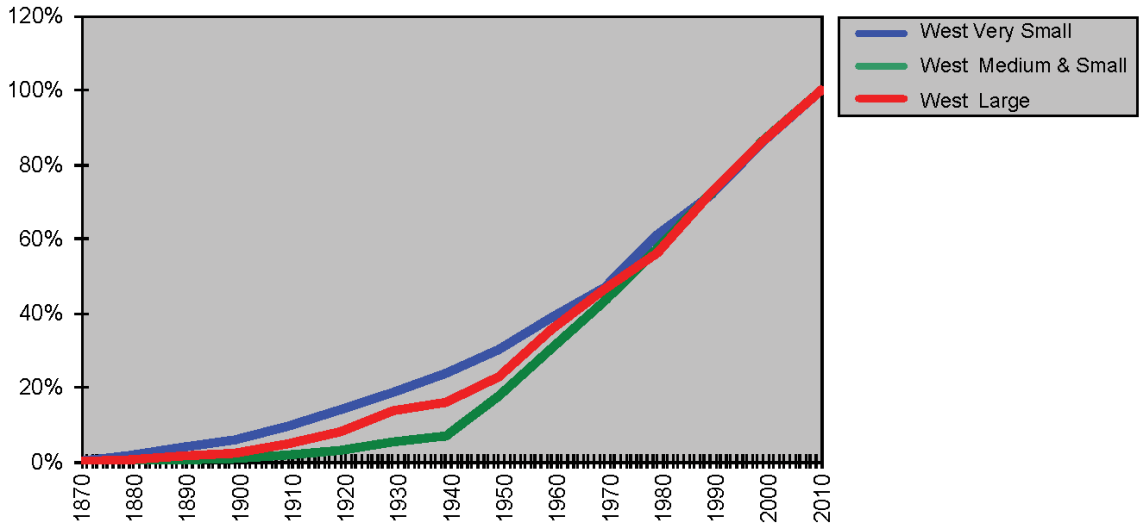
Proportion of Current System Built by Decade: Midwest



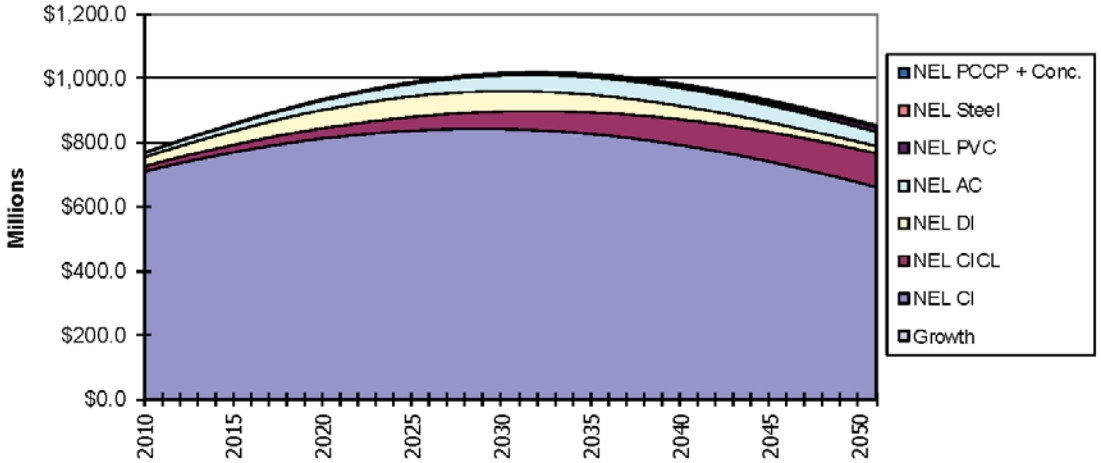
Proportion of Current System Built by Decade: South



Proportion of Current System Built by Decade: South

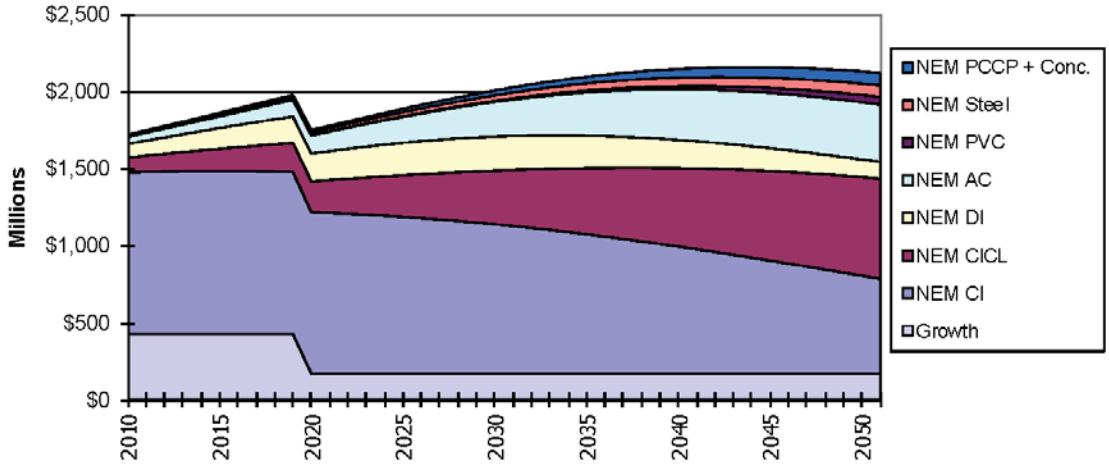


Investment for Replacement & Growth
Northeast Large



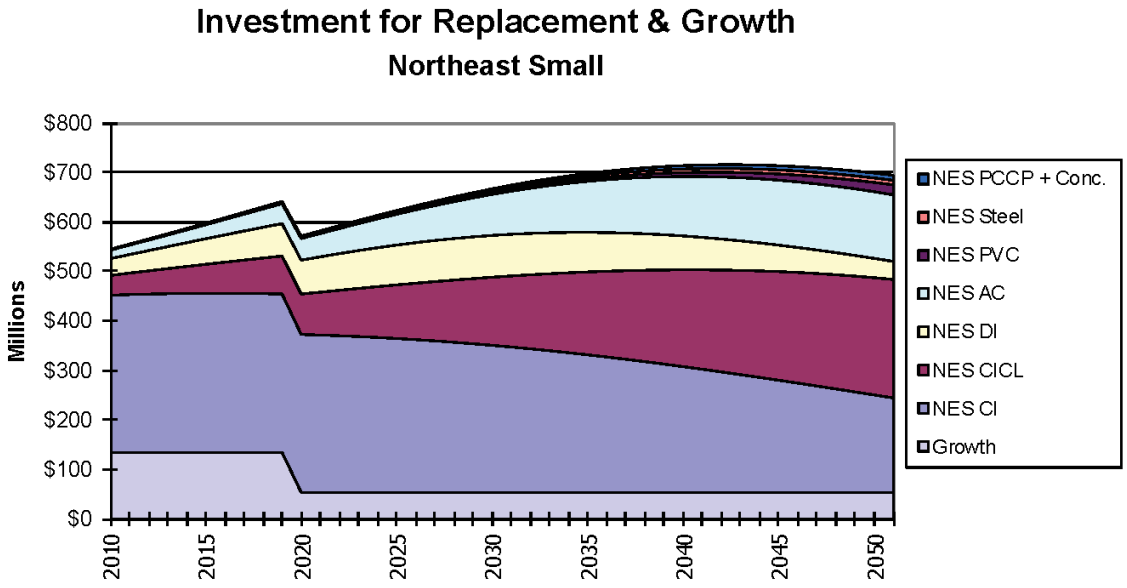
CI: cast iron; CICL: cast iron cement lined; DI: ductile iron; AC: asbestos cement; PV: polyvinyl chloride; PCCP: prestressed concrete cylinder pipe

Investment for Replacement & Growth
Northeast Medium



CI: cast iron; CICL: cast iron cement lined; DI: ductile iron; AC: asbestos cement; PV: polyvinyl chloride; PCCP: prestressed concrete cylinder pipe

The charts show needs for replacement of particular types of pipe and for growth (see the keys below and to the right of the chart). An artifact of the model and US Census data result in an apparent upward or downward "spike" in growth-related needs between certain decades. In reality, the apparent sudden shift in growth-related needs will be spread more evenly over the years bridging each decade to the next.



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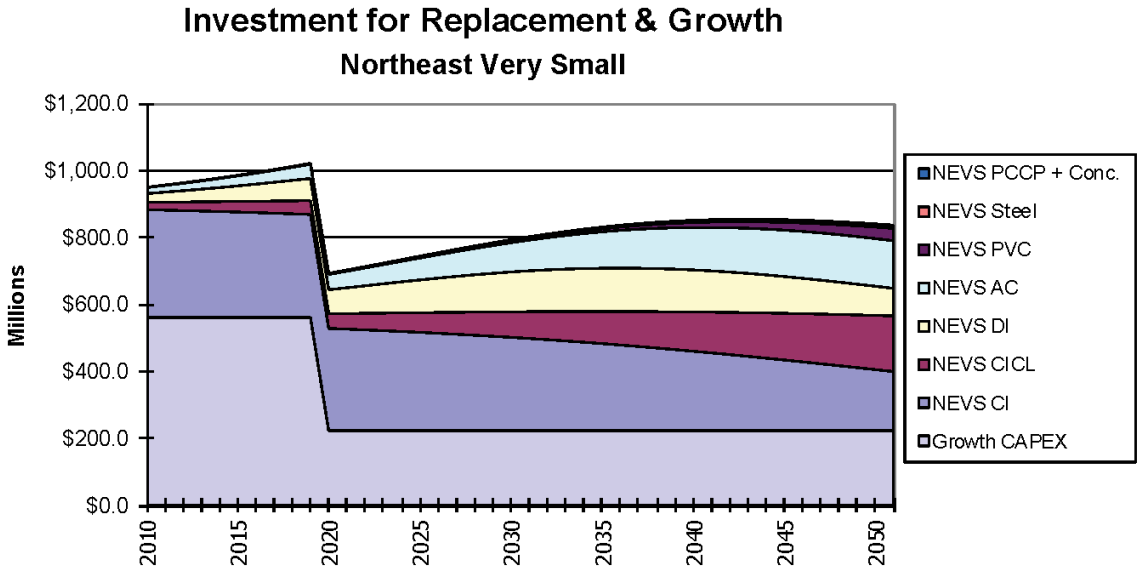

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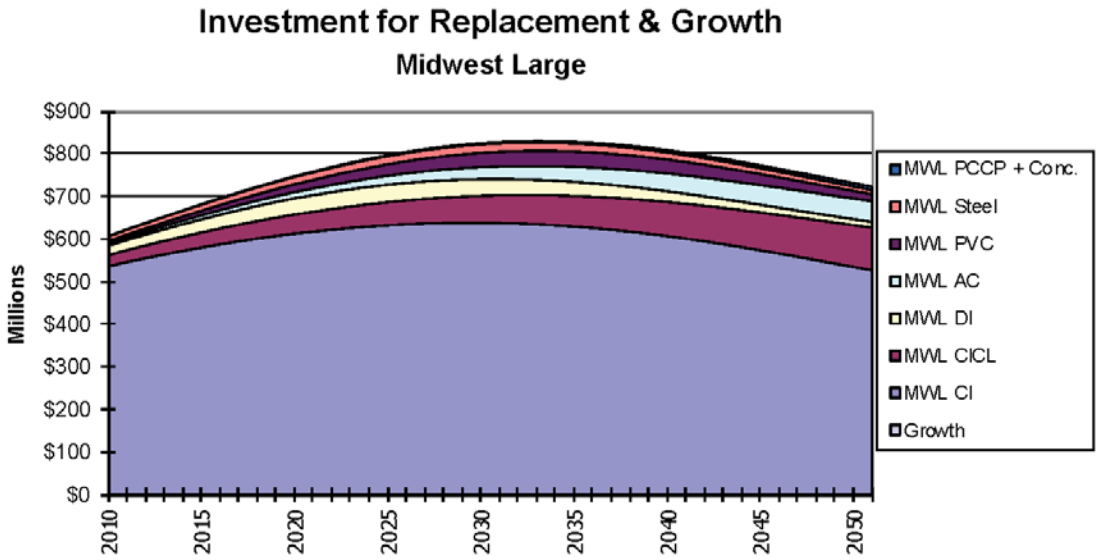

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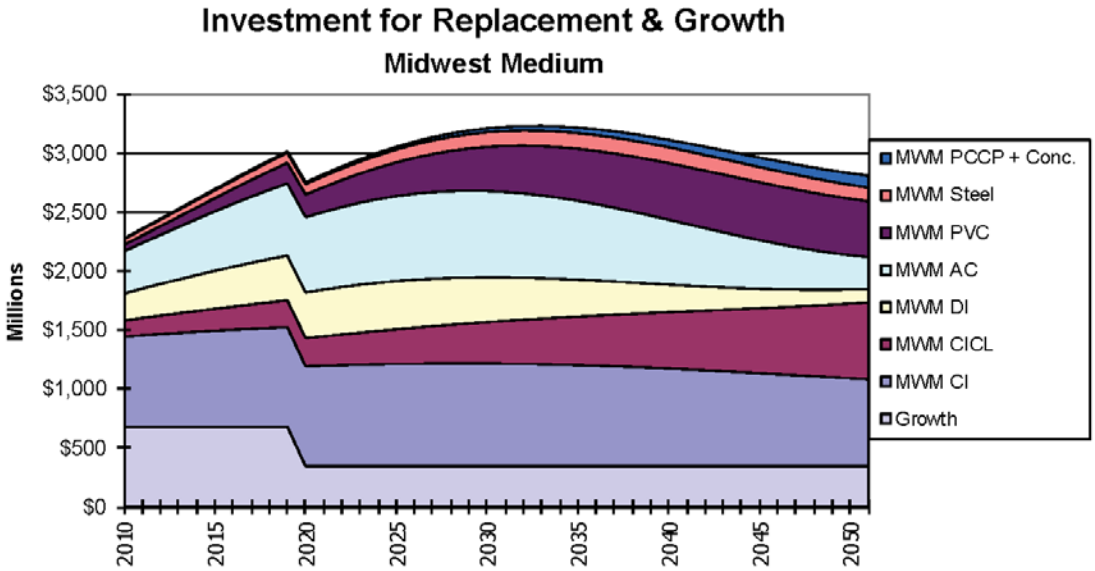

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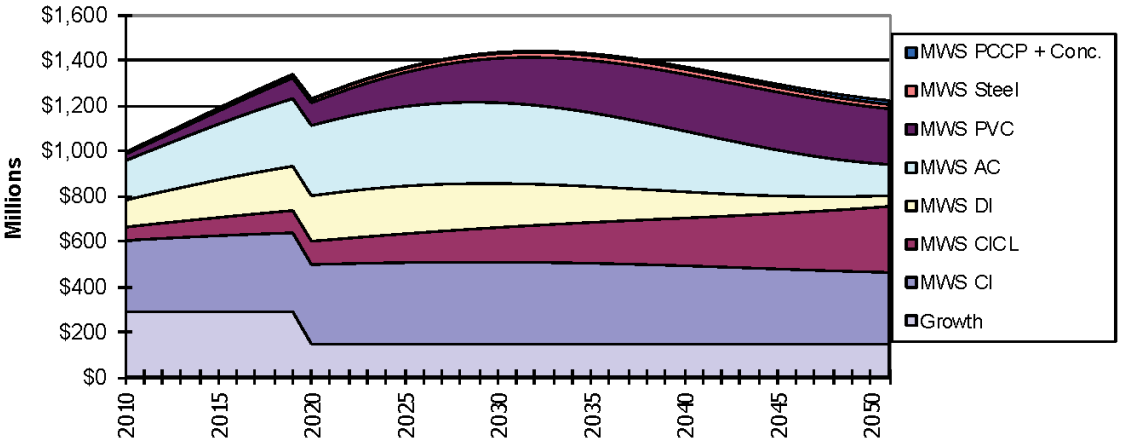
Investment for Replacement & Growth

Midwest Small



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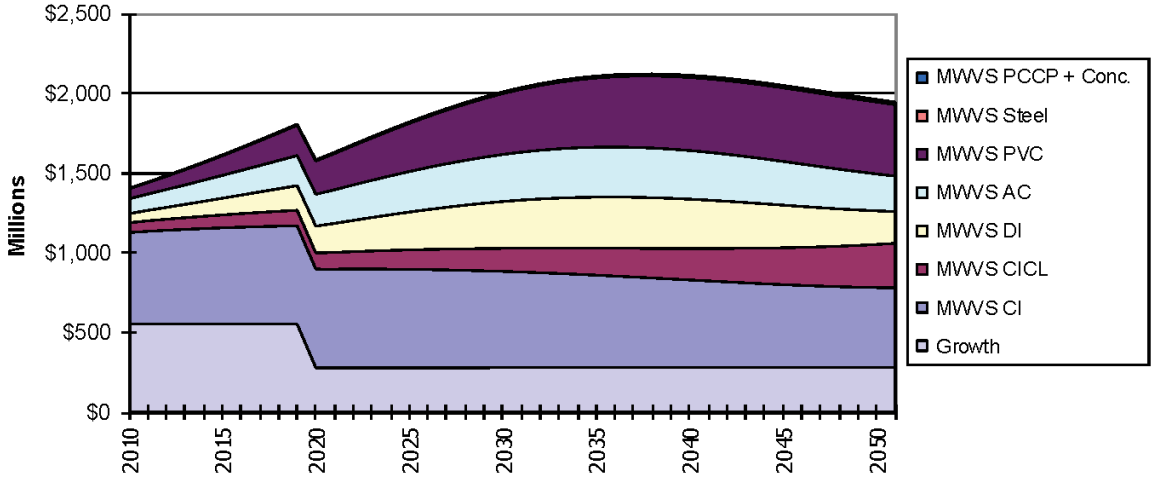
Investment for Replacement & Growth

Midwest Very Small



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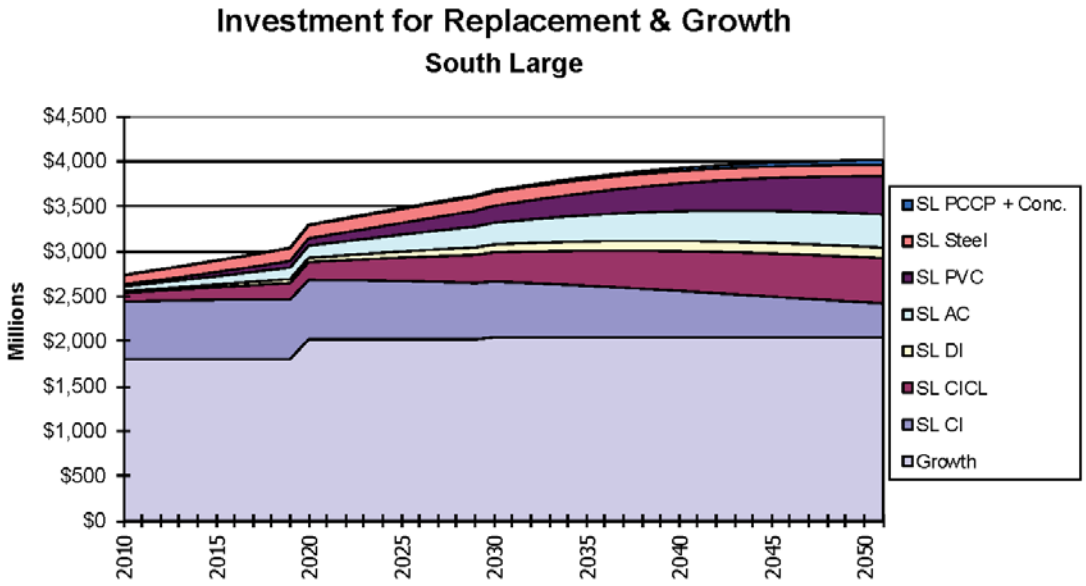

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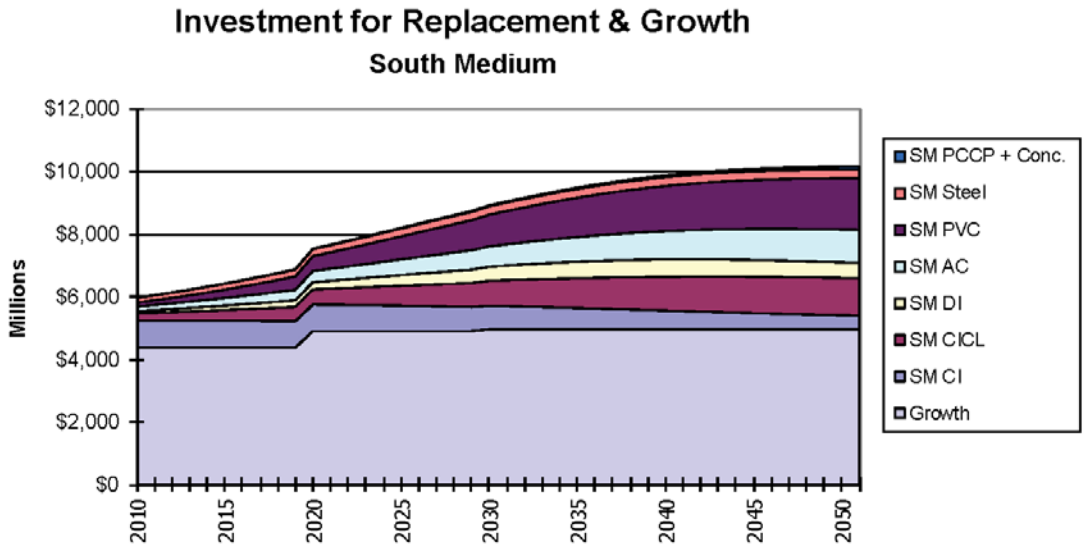

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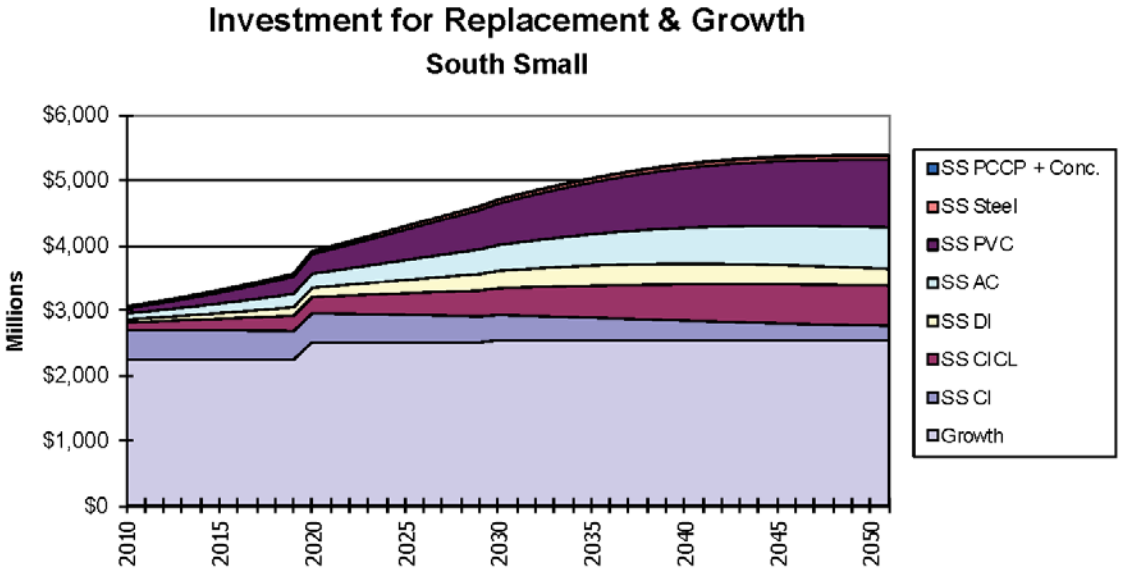

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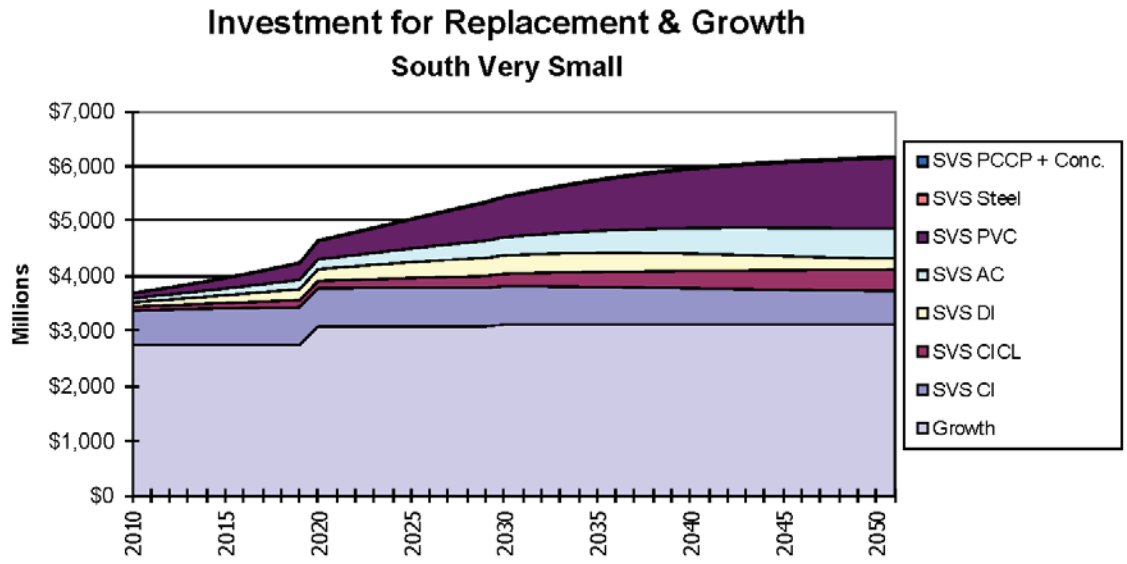

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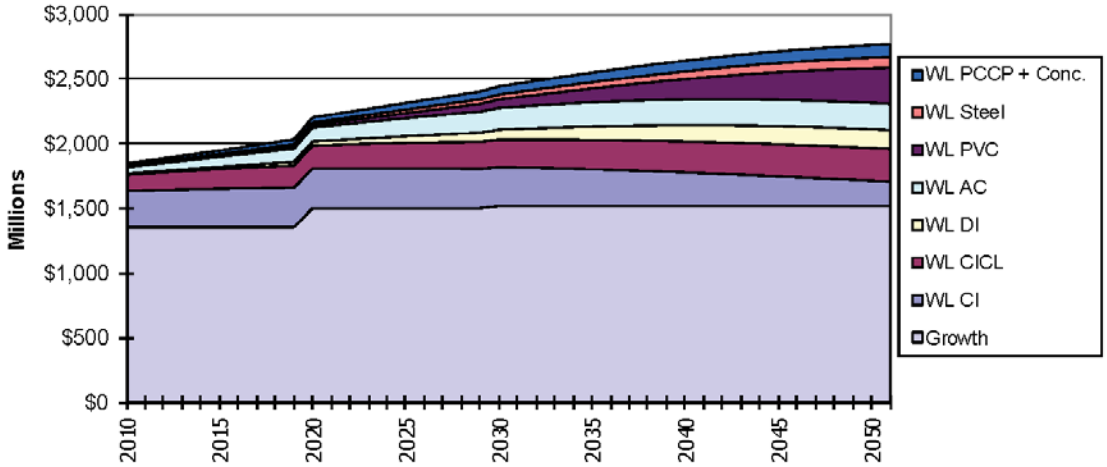
Investment for Replacement & Growth

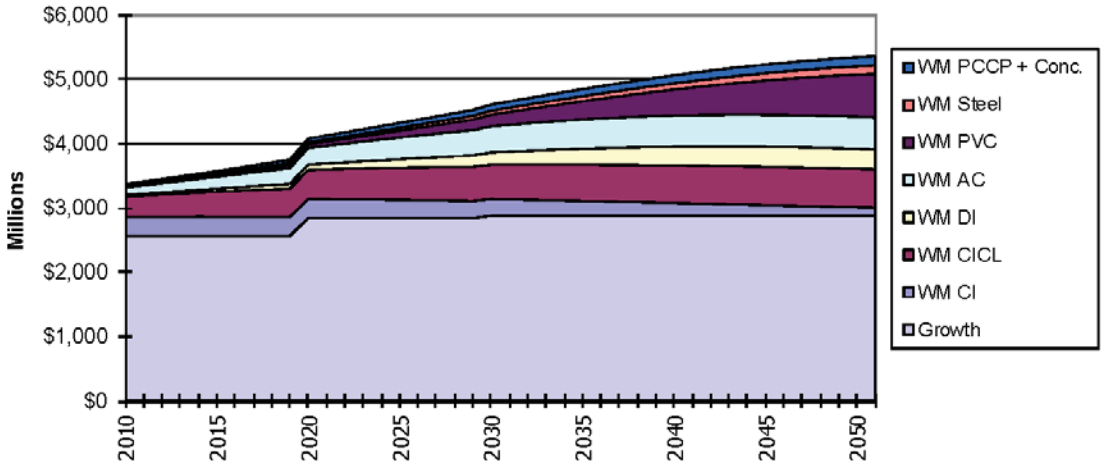
West Large



CI: cast iron; CICL: cast iron cement lined; DI: ductile iron; AC: asbestos cement; PV: polyvinyl chloride; PCCP: prestressed concrete cylinder pipe

Investment for Replacement & Growth

West Medium



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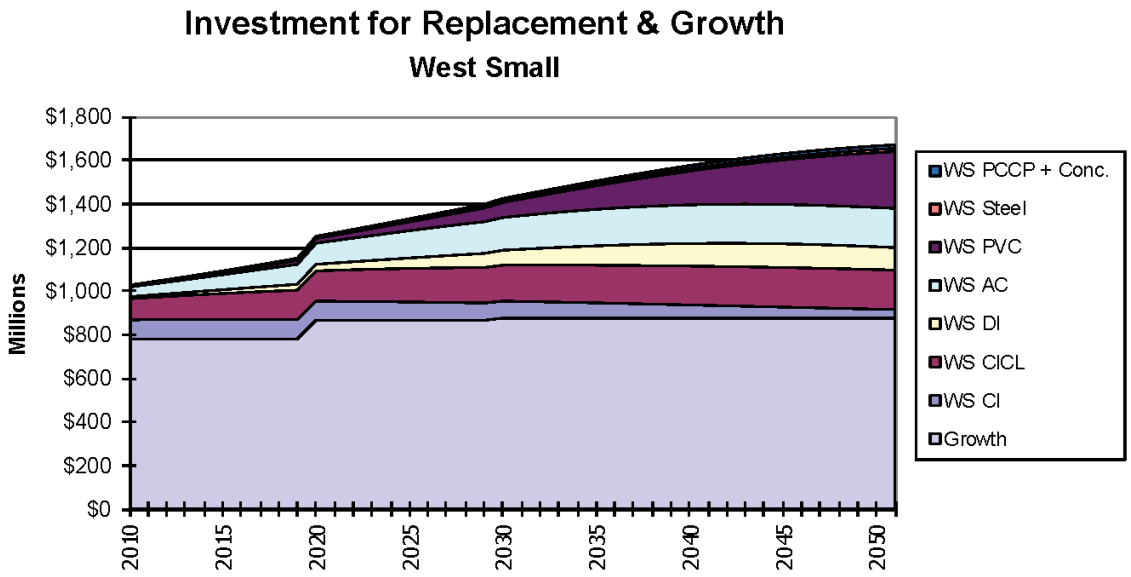
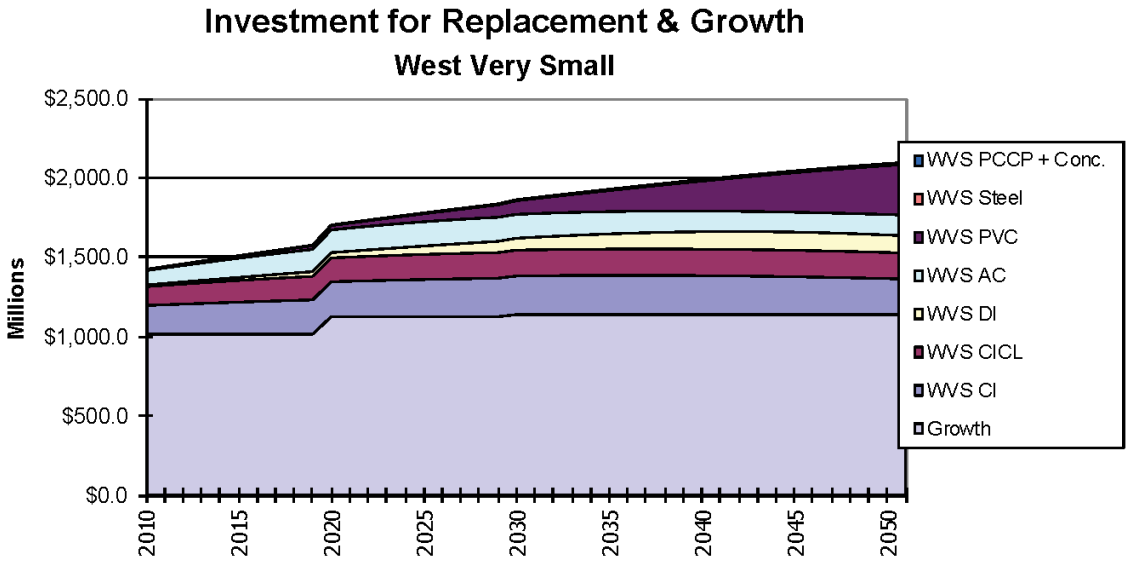


CI: cast iron; CICL: cast iron cement lined; DI: ductile iron; AC: asbestos cement; PV: polyvinyl chloride; PCCP: prestressed concrete cylinder pipe



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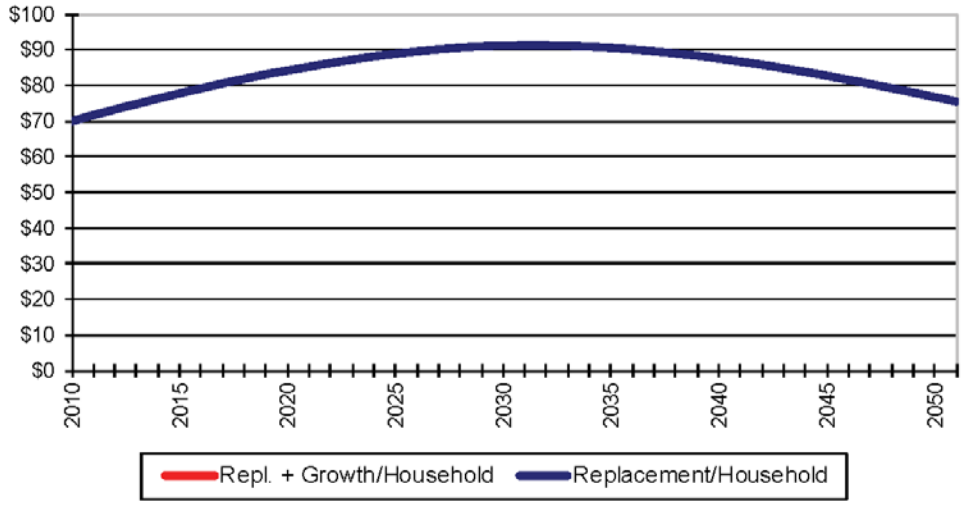
The charts show needs for replacement of particular types of pipe and for growth (see the keys below and to the right of the chart). An artifact of the model and US Census data result in an apparent upward or downward "spike" in growth-related needs between certain decades. In reality, the apparent sudden shift in growth-related needs will be spread more evenly over the years bridging each decade to the next.

Household Cost of Needed Investment for Replacement Plus Growth*

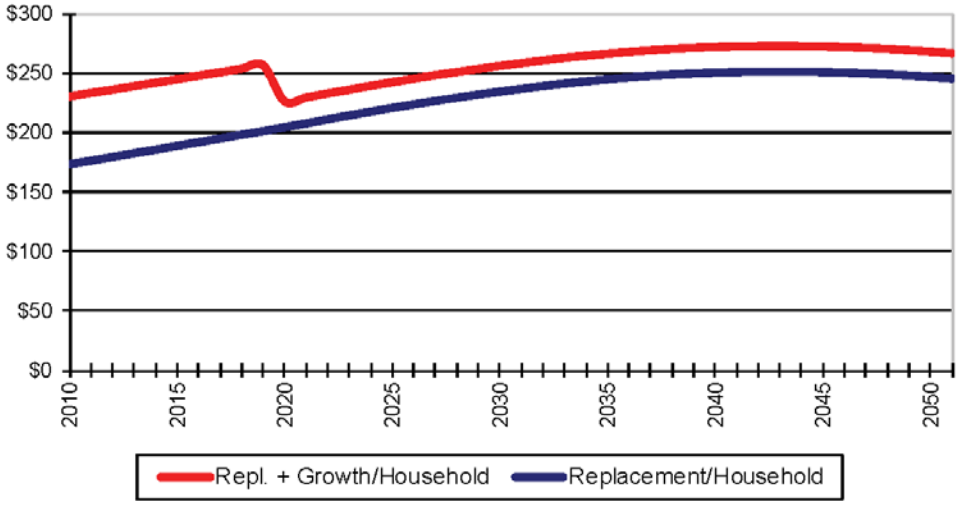
Northeast Large



**This assumes costs are spread evenly across households of 2.6 persons each, based on data from the US Census.*

Household Cost of Needed Investment for Replacement Plus Growth*

Northeast Medium

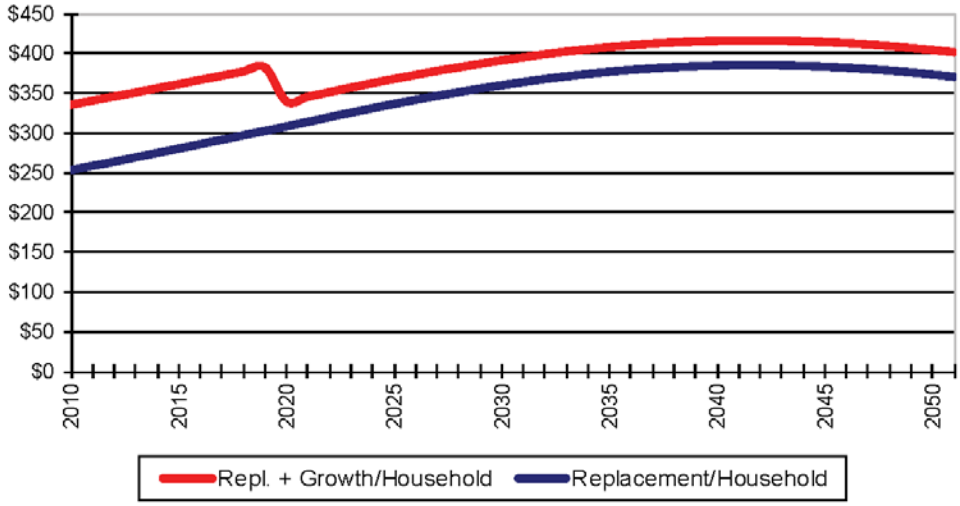


**This assumes costs are spread evenly across households of 2.6 persons each, based on data from the US Census.*

The charts show per household costs for replacement, and for replacement plus growth. The model assumes costs are spread evenly over households averaging 2.6 persons per household in accordance with US Census data. An artifact of the model and US Census data result in an apparent upward or downward "spike" in growth-related needs between certain decades. In reality, the apparent sudden shift in growth-related needs will be spread more evenly over the years bridging each decade to the next."

Household Cost of Needed Investment for Replacement Plus Growth*

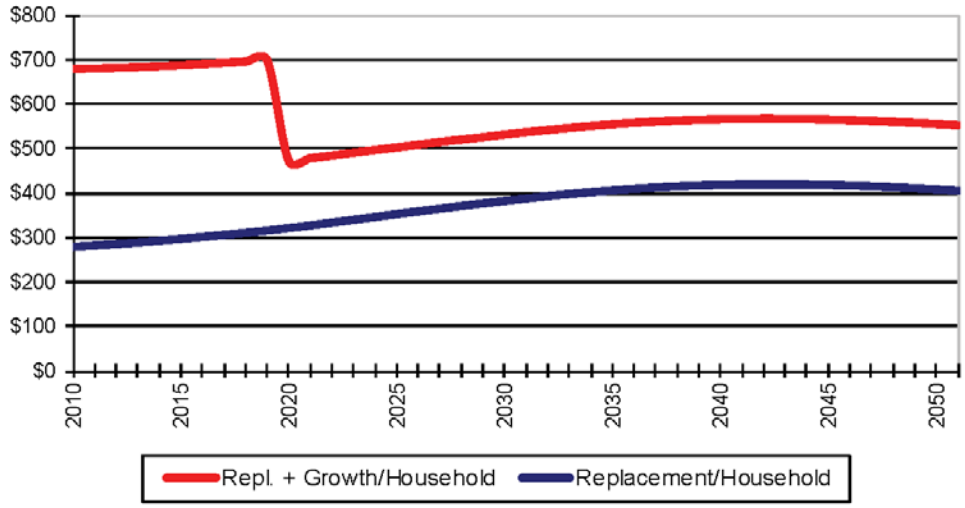
Northeast Small



**This assumes costs are spread evenly across households of 2.6 persons each, based on data from the US Census.*

Household Cost of Needed Investment for Replacement Plus Growth*

Northeast Very Small



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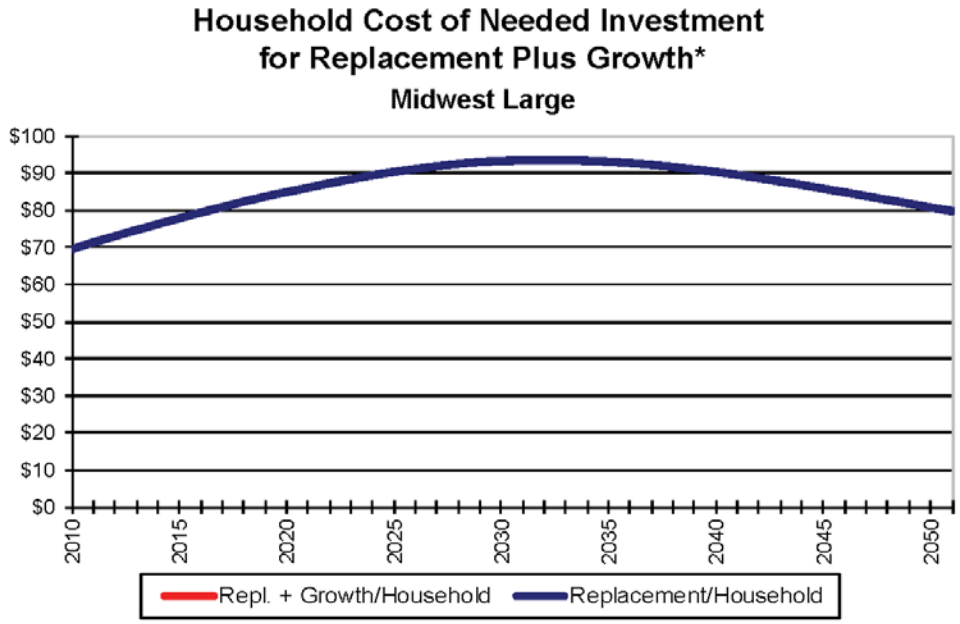

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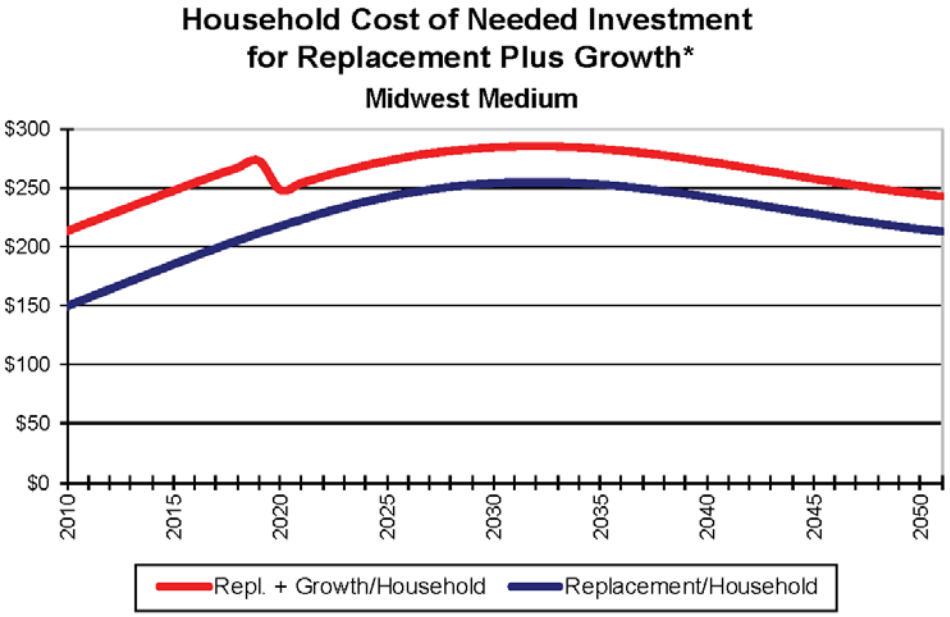

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Household Cost of Needed Investment for Replacement Plus Growth*

Midwest Small

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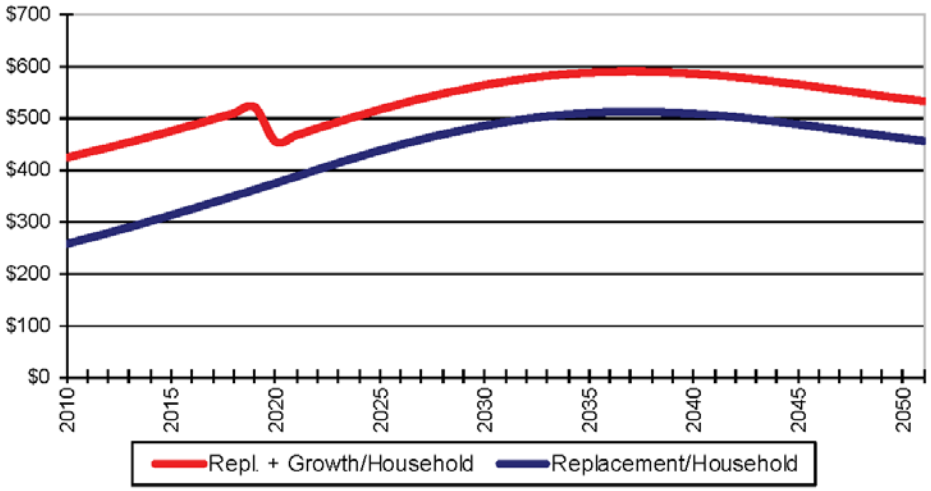
Household Cost of Needed Investment for Replacement Plus Growth*

Midwest Very Small



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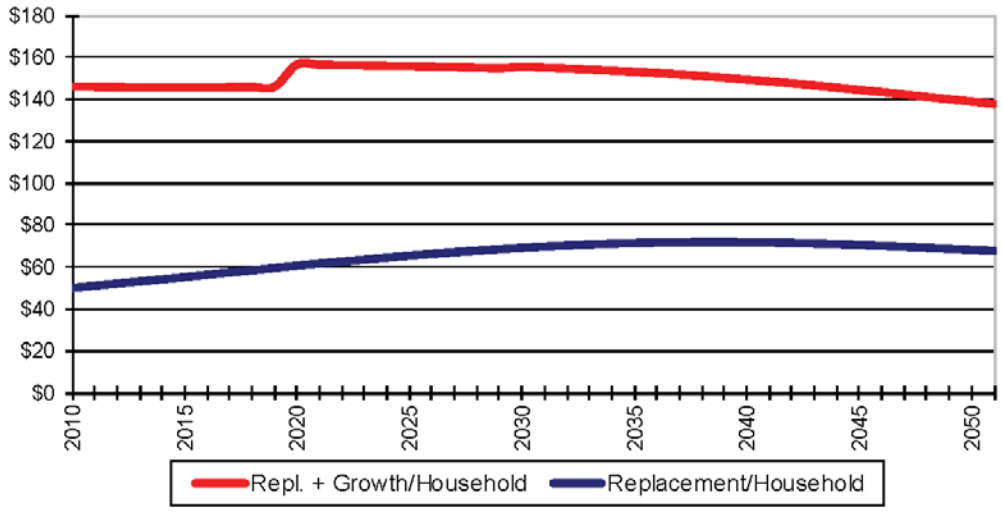
Household Cost of Needed Investment for Replacement Plus Growth*

South Large



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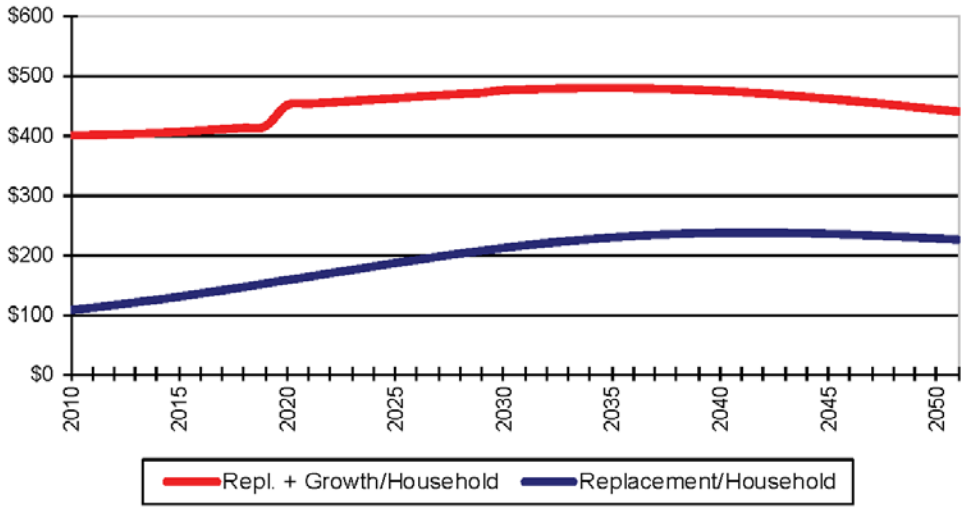
Household Cost of Needed Investment for Replacement Plus Growth*

South Medium



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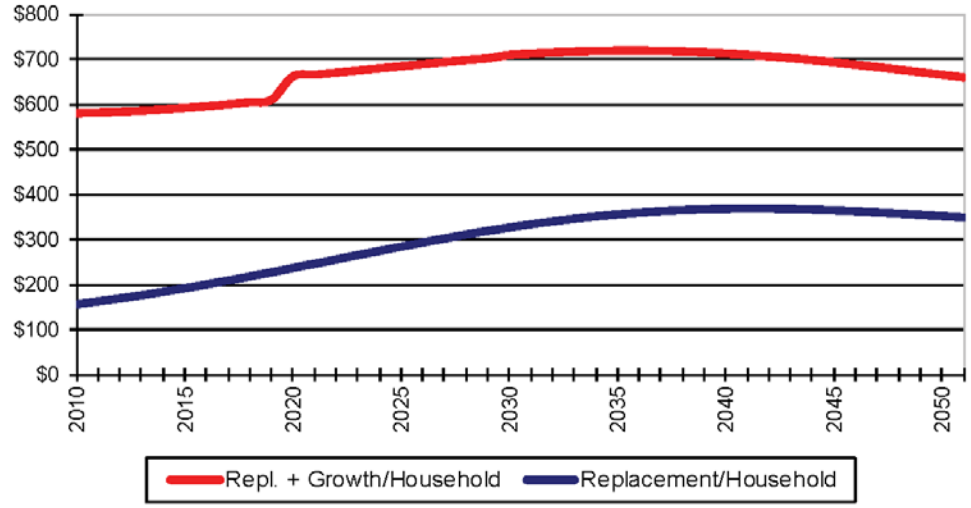
Household Cost of Needed Investment for Replacement Plus Growth*

South Small



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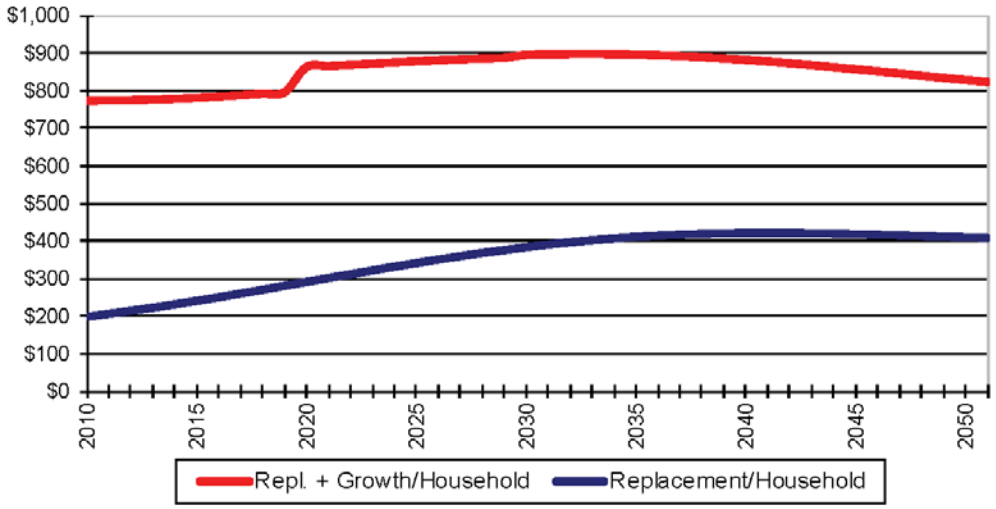
Household Cost of Needed Investment for Replacement Plus Growth*

South Very Small



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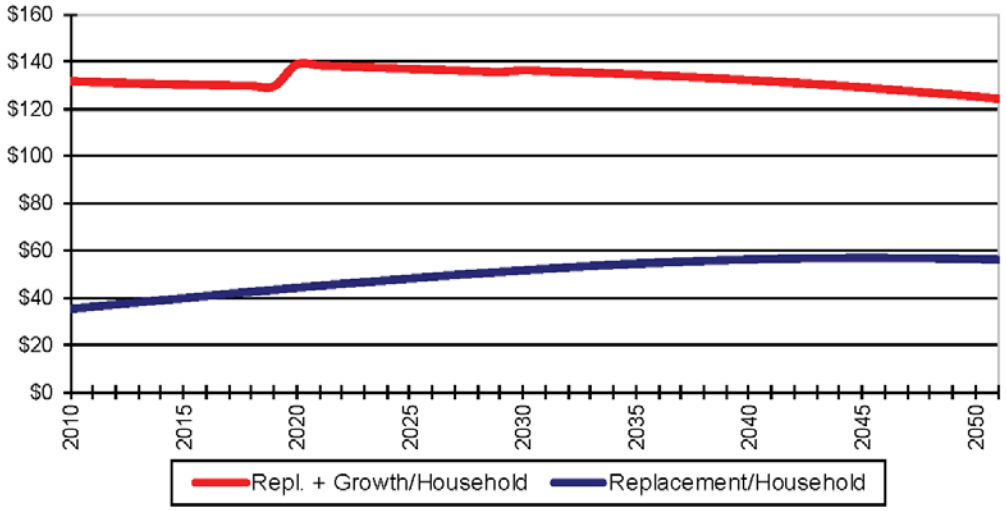
Household Cost of Needed Investment for Replacement Plus Growth*

West Large



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Household Cost of Needed Investment for Replacement Plus Growth*

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Household Cost of Needed Investment for Replacement Plus Growth*

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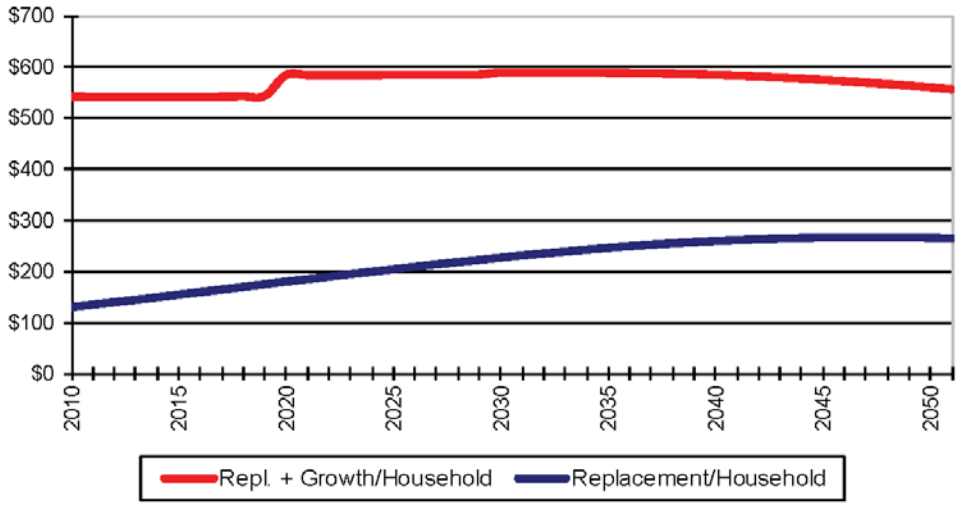

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Household Cost of Needed Investment for Replacement Plus Growth*

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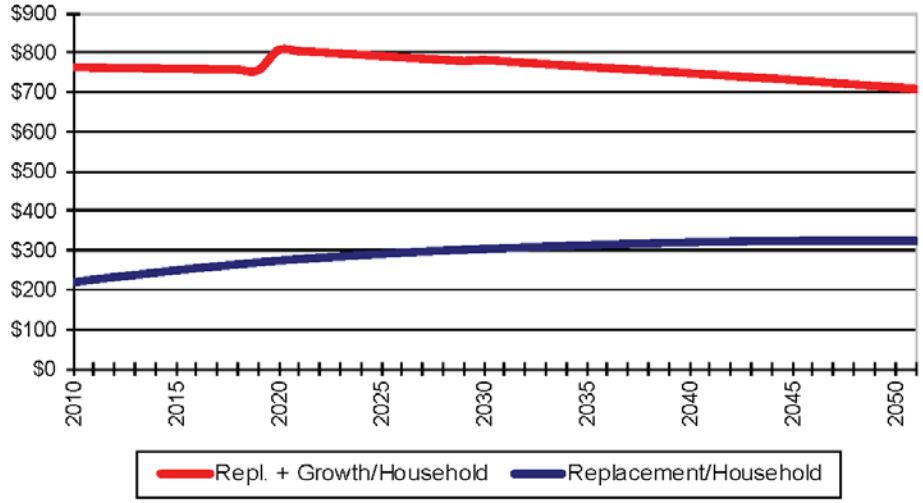

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Yucaipa Valley Water District

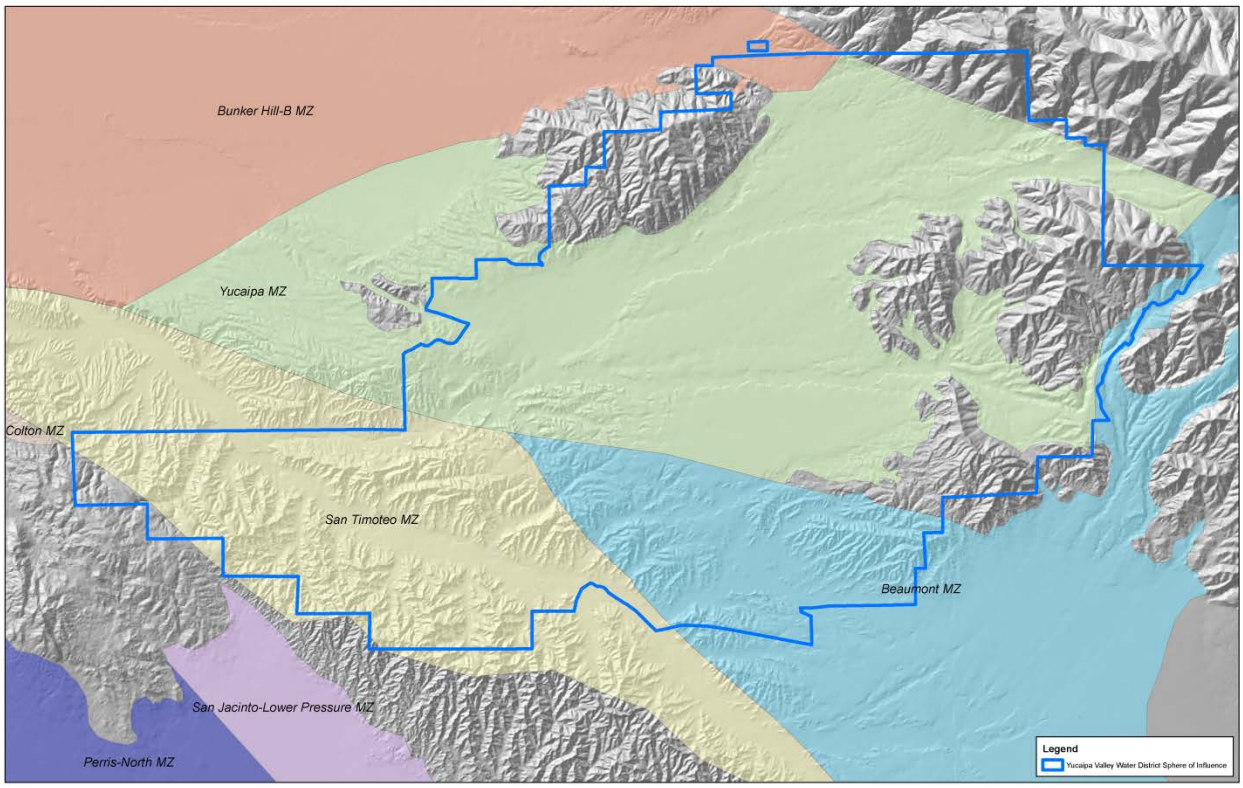
Workshop Memorandum 12-051

Date: **March 13, 2012**

Subject: **Regional Implementation of Maximum Benefit Commitments for the Beaumont Management Zone**

On September 15, 2010, the Board of Directors approved a contract with DDB Engineering to assist the District staff with preparing the waste discharge application for the Wochholz Regional Water Recycling Facility. Our current recycled water waste discharge permit (RWQCB Order No. R8-2007-0012) is being updated following its recent expiration on February 2, 2012.

One of the delays in receiving an updated discharge permit has been related to the issues pertaining to the Beaumont Management Zone. On September 13, 2010, the Regional Water Quality Control Board sent a letter requiring a technical report be produced to support the Salt Management Plan for the Santa Ana Region (see page 3 of 57). After reviewing this correspondence from the Regional Board, it was clear that long-term water management in the region would be significantly enhanced if all agencies actively participated in dialogue and associated studies to ensure each future water supply plan was evaluated for potential water quality impacts.



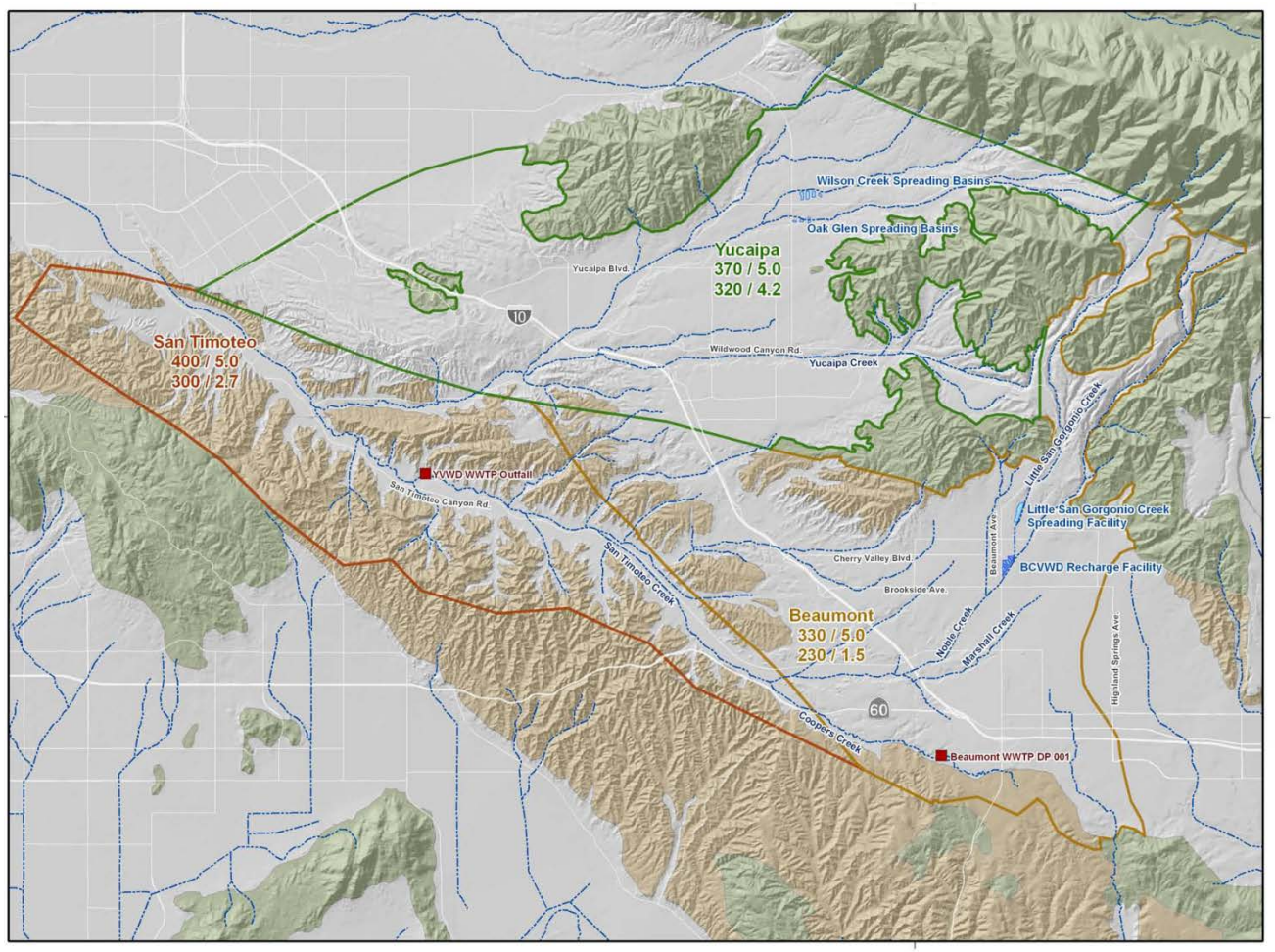
On October 6, 2010, the Board of Directors approved a proposal from Wildermuth Environmental that was designed to satisfy the requirements imposed by the Regional Water Quality Control Board [Director Memorandum 10-077].

On January 25, 2012, the District received confirmation from the Regional Water Quality Control Board accepting the multi-party implementation plan for protecting the maximum benefit commitments for the Beaumont Management Zone.

While maintaining the maximum benefit commitments are a costly endeavor, the benefit to our customers/ratepayers is significant compared to the restrictions, limitations and additional treatment required for the more restrictive antidegradation limitations of the Yucaipa, San Timoteo and Beaumont Management Zones. For example, the maximum benefit objectives for total dissolved solids for the Yucaipa, San Timoteo, and Beaumont Management Zones are 370 mg/l, 400 mg/l, and 330 mg/l respectively. The more restrictive antidegradation objectives would be 320 mg/l, 300 mg/l and 230 mg/l, as shown in the table below and the illustration on the following page.

	Beaumont Management Zone	San Timoteo Management Zone	Yucaipa Management Zone
Objectives for Total Dissolved Solids (mg/l)			
Maximum Benefit Objective	**330**	**400**	**370**
Antidegradation Objective	**230**	**300**	**320**
Objectives for Total Dissolved Solids (mg/l)			
Maximum Benefit Objective	**5.0**	**5.0**	**5.0**
Antidegradation Objective	**1.5**	**2.7**	**4.2**

The purpose of this workshop item is to discuss the implementation plan for the maximum benefit obligations outlined in the attached documents.



Management Zone Labeling Key

Beaumont
330 / 5.0
200 / 1.7

- Management Zone Name
- TDS/Nitrate-N Maximum Benefit Objective (mg/L)
- TDS/Nitrate-N Antidegradation Objective (mg/L)
- Management Zone Boundary

Other Features

- Recycled Water Discharge Location
- Rivers and Streams
- Imported Water Recharge Facility

Geology

Water-Bearing Sediments

- Unconsolidated to Semi-consolidated Quaternary Alluvium
- Semi-consolidated San Timoteo Formation

Consolidated Bedrock

- Undifferentiated Pre-Tertiary Igneous and Metamorphic Crystalline Rocks

Produced by:

WILDERMUTH ENVIRONMENTAL INC.
23692 Birtcher Drive
Lake Forest, CA 92630
949.420.3030
www.wildermuthenvironmental.com

Author: SSA
Date: 20100317
File: Figure 1-1.mxd

0 1 2 3 Miles
0 1 2 3 4 5 KM

City of Beaumont & YVWD
Maximum Benefit Monitoring Program
2009 Annual Report

Management Zone Boundaries
Maximum Benefit and Antidegradataion Objectives for TDS and Nitrate-Nitrogen

Figure 1-1

California Regional Water Quality Control Board
Santa Ana Region

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 • FAX (951) 781-6288 • TDD (951) 782-3221
www.waterboards.ca.gov/santaana

Linda S. Adams
Secretary for
Environmental Protection

Arnold Schwarzenegger
Governor

September 13, 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Beaumont Cherry Valley Water District
Attention: Anthony Lara
Interim General Manager
560 Magnolia Avenue
Beaumont, CA 92223

City of Beaumont
Attention: David Dillon
Director of Economic Development
550 East 6th Street
Beaumont, CA 92223

Yucaipa Valley Water District
Attention: Joe Zoba
General Manager
12770 Second Street
Yucaipa, CA 92399

ORDER PURSUANT TO WATER CODE SECTION 13267 FOR TECHNICAL REPORTS FOR A TECHNICAL REPORT TO SUPPORT THE IMPLEMENTATION OF THE MAXIMUM BENEFIT OBJECTIVES FOR TOTAL DISSOLVED SOLIDS AND NITRATE NITROGEN IN THE BEAUMONT MANAGEMENT ZONE

Gentlemen:

This Order, issued pursuant to California Water Code section 13267, requires that you submit certain plans and schedules (collectively, reports) to evaluate the impact of discharges of total dissolved solids (TDS) and nitrogen on the Beaumont Groundwater Management Zone (Beaumont MZ). This requirement is consistent with the Salt Management Plan for the Santa Ana Region, and in particular the maximum benefit implementation plan for the Beaumont MZ, adopted by the California Regional Water Quality Control Board, Santa Ana Region (Regional Water Board) in 2004 (Resolution No. R8-2004-0001) and approved by the State Water Resources Control Board and the Office of Administrative Law in 2005.

Background of the Maximum Benefit Implementation Plan for the Beaumont MZ

On June 26, 2002, the San Timoteo Watershed Management Authority (STWMA[1]) submitted a proposal to establish maximum benefit objectives for TDS and nitrate-nitrogen for the Beaumont MZ to accommodate water resource management projects, including the recharge of stormwater,

[1] The San Timoteo Watershed Management Authority (STWMA) was formed in January 2001 by the Beaumont-Cherry Valley Water District (BCVWD), the City of Beaumont (Beaumont), the South Mesa Water Company and the Yucaipa Valley Water District (YVWD). The STWMA formed a stakeholder group to develop a watershed scale water resources management program that would provide a safe and reliable water supply for all water users in the watershed. In July 2010, STWMA disbanded.

imported State Project Water (SPW), and recycled water. The maximum benefit objectives and commitments for Beaumont MZ were based on detailed model projections and analyses conducted by Wildermuth Environmental, Inc (WEI). The modeling analysis utilized a Constantly Stirred Reactor Model (CSRM), and simulated TDS groundwater quality through 2100 resulting from the implementation of several planned scenarios, including a no project alternative and the preferred maximum benefit alternative. The preferred maximum benefit alternative assumes that 10,000 acre-ft of replenishment water will be recharged into the Beaumont MZ with a 50/50 mix of recycled water and SPW. The preferred option also assumed that 5,100 acre-ft of non-potable supply of a 50 /50 mix of SPW and recycled water would be used within the Beaumont MZ. The TDS quality of recycled water, to be provided by the City of Beaumont Wastewater Treatment Plant (WWTP), was assumed to have an average TDS concentration of 550 mg/L, and the imported water was assumed to have a TDS concentration of 290 mg/L.

The Regional Board adopted the maximum benefit proposals in 2004 (Resolution No. R8-2004-0001), assigning STWMA and the City of Beaumont the responsibility for implementing the maximum benefit commitments in the Beaumont MZ. The commitments include building desalting facilities when either of the following occurs:

- When the five-year average TDS concentration in recycled water produced by the Beaumont WWTP is 10 mg/L less than its current TDS limit (490 mg/L), or
- When the volume-weighted TDS concentration in the Beaumont MZ rises to within 10 mg/L of the maximum benefit TDS objective of 330 mg/L.

Resolution No. R8-2004-0001 also specifies similar maximum benefit implementation programs for the Yucaipa and San Timoteo MZs. Yucaipa Valley Water District (YVWD) is responsible for implementation of the maximum benefit commitments for the Yucaipa MZ, and is jointly responsible for implementing the maximum benefit commitments for the San Timoteo MZ along with the City of Beaumont and STWMA.

Permitting Issues

Since 2009, the Beaumont Cherry Valley Water District (BCVWD) has been working with Regional Board staff to obtain a recycled water permit to utilize various sources of water for non-potable use and for recharge in the Beaumont MZ. BCVWD is proposing to use recycled water from both the Yucaipa Valley Water District (YVWD) and the City of Beaumont, local groundwater, and imported SWP water. The ranges of anticipated flow and water quality for the YVWD recycled water and local groundwater for the near term (2015) and long term (2035), are described in a June 2, 2010 letter report submitted by BCVWD, which is attached as Exhibit A. These "new" sources of water – the YVWD recycled water and local groundwater – were not considered in the original model projections and analyses conducted by WEI in 2002. Therefore, the water quality impact of these "new" sources on the Beaumont MZ is unknown.

The City of Beaumont is also working with Regional Board staff to renew and update their Waste Discharge Requirements (WDRs) to increase the discharge from 4 MGD (approximately 4,484 acre-ft/year) to 8 MGD (8,968 acre-ft/year). Concurrently, YVWD has requested revisions to their WDRs to correct an error in the TDS limit for recycled water used for irrigation, and to include a provision allowing for the recharge of recycled water into the Beaumont MZ. YVWD's proposed irrigation use and recharge of recycled water in the Beaumont MZ was not considered in the original analysis by WEI, and the impact of these discharges needs to be evaluated.

Basin Plan Amendment Issues

As previously indicated, the Basin Plan specifies that STWMA and the City of Beaumont are responsible for implementing the maximum benefit commitments related to the Beaumont MZ. However, with the dissolution of STWMA, the responsibilities for carrying out the maximum benefit commitments in the Beaumont MZ need to be re-assessed. Some STWMA members, including BCVWD, the City of Beaumont and YVWD, continue to have and/or have expressed new interest in water management activities, including the use/increased use of recycled water, in the Beaumont MZ. Given this, it is necessary to reconsider the assigned responsibilities for implementing maximum benefit commitments for the Beaumont MZ. One STWMA member, South Mesa Water Company, has no interest in the Beaumont MZ, and should not be included in the maximum benefit program. In sum, the Basin Plan needs to be revised to incorporate changes in water resource and salt management, and maximum benefit implementation in the Beaumont MZ. To do so, an updated modeling analysis is necessary. It should be noted that this analysis is necessary in any case to support current permitting requests, described above. The analysis must include an assessment of salt liabilities by these agencies under the different management scenarios so that the responsibilities for maximum benefit implementation can be properly assigned.

Required Submittals

Consistent with the Salt Management Plan, you are hereby required to submit an updated analysis for the Beaumont MZ to the Regional Water Board as soon as possible, but **no later than November 30, 2010**. The analysis must include the following:

1) Updated planning information for the use of all sources of water by each agency in the Beaumont MZ. This updated information shall include flow, quality, and recharge or use location;

2) An update of the CSRM model to create 30-year TDS and nitrogen projections for the Beaumont MZ based on the full range of recycled water planning scenarios that are being considered; and

3) An assessment of the individual and cumulative water quality impact as a result of each agency's water management activities and calculation of the salt liability of all recycled water users in Beaumont MZ

The model analysis that is conducted must be consistent with the model analysis that was performed as part of the 2002 maximum benefit proposal.

We recommend that BCVWD, YVWD and the City of Beaumont conduct a single joint analysis. However, if each agency chooses to submit a separate analysis, it must include an assessment of all planned water uses by all agencies and include all the elements identified above.

Need for Technical Report

The Regional Water Board is charged with the protection of water quality in this Region. Unless properly managed, the discharge of salt or nitrogen as a result of water management activities in Beaumont MZ has the potential to contribute to the degradation of water quality and adversely affect beneficial uses. The technical report required by this Order is needed to determine the contribution of

salt and nitrogen from water use and water resource management activities. The data and information will assist efforts to carry out implementation of the maximum benefit program, as set forth in the Basin Plan, in the Beaumont MZ.

Evidence Supporting the Need for the Technical Reports

Monitoring and modeling conducted to develop the maximum benefit programs demonstrated that water management activities (e.g., irrigation use and recharge of recycled water) discharge salt and nitrogen to the Beaumont MZ. The evidence demonstrating that water management activities are sources of salt and nitrogen discharges is contained in letter report from STWMA "Revised San Timoteo Watershed Management Authority proposal for new total dissolved solids (TDS) and total inorganic nitrogen (TIN) water quality objectives for the Beaumont, San Timoteo, and Yucaipa management zones based on maximum beneficial use", and Exhibit A - TDS Budget Table, June 2002, and a letter report from BCVWD "Estimated Recycled Water and Imported Water Needs to Support Groundwater Quality Evaluation", June 2010. Based on these analyses, the three agencies have discharged, or are planning discharges that do and could potentially contribute salt and nitrogen loads in Beaumont MZ.

Burden and Cost of Technical Reports

The estimated cost of a single joint analysis is $36,000 (as reflected in the proposal to BCVWD and the City of Beaumont by WEI dated August 12, 2010). The three agencies can choose to share the cost of a single analysis and report, or prepare separate analyses and reports on their own. Logically, the cost of three separate analyses and reports will be higher. Since the analysis requires data and information from all three agencies, if the analysis is conducted separately for each agency, Regional Board staff estimates the total cost could potentially be $36,000 per agency for a total of $108,000.

Regardless of whether a single or combined analytical approach is selected, the costs of the technical reports required by this Order are justified. Without this information, we will not be able issue WDRs in a timely fashion. The preparation of the above report is also necessary to provide for continued implementation of the maximum benefit objectives for the Beaumont Management Zone.

Penalties

Though we are confident you will make every effort to comply with this Order in a timely manner, please be advised that pursuant to section 13268 of the California Water Code, failure to submit the required information by the specified compliance date, or falsifying any information provided therein, is a misdemeanor and may result in civil liability. Noncompliance may subject you to administrative civil liability in the amount of up to $1,000 for each day of violation. Compliance with this Order is not a substitute for compliance with other applicable laws and does not preclude action to enforce compliance with such other laws.

Appeal

Any person affected by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with section 13320 of the California Water Code and Title 23, California Code of Regulations, section 2050. The petition must be received by the State Water Board within 30 days of the date of this Order. The State Board's website (http://www.swrcb.ca.gov/wqpetitions/index.html) contains detailed information regarding the petition process. Copies of the law and regulations applicable to filing petitions will be provided upon request. In addition to filing a petition with the State Water Board, any person affected

by this Order may request the Regional Water Board to reconsider this Order. To be timely, such a request must be received within 30 days of the date of this Order. Note that even if reconsideration by the Regional Water Board is sought, filing a timely petition with the State Water Board is also necessary to preserve the petitioner's legal rights. If you choose to request reconsideration of this Order or file a petition with the State Water Board, be advised that you must comply with the Order while your request for reconsideration and/or petition is being considered.

If you have any questions regarding the Order, or wish to schedule a meeting to discuss, please contact, Dr. Cindy Li, Engineering Geologist, at (951) 782-4906 or cli@waterboards.ca.gov.

Sincerely,

Joanne E. Schneider
Division Chief

cc: Regional Board
David Rice, Office of Chief Counsel, SWRCB, DavidRice@waterboards.ca.gov

Attachment: Exhibit A - Estimate of Recycled Water and Imported Water Needs in support of Groundwater Quality Evaluation for Cherry Valley Water District Recycled Water Permit

Preliminary Documentation - Subject to Modification

Proposed Regional Implementation of Maximum Benefit Commitments for the Beaumont Management Zone

Preliminary Draft
September 20, 2011

Submitted to the Santa Ana Regional Water Quality Control Board

by

City of Banning
Beaumont Cherry Valley Water District
San Gorgonio Pass Water Agency
Yucaipa Valley Water District

"California highly values its water resources, which are significantly limited in quantity and quality. Recurring periods of drought have demonstrated the magnitude and severity of our water quantity limitations. Improper waste management practices and contaminated sites pose significant threats to the quality of California's useable groundwater and surface water sources."

- Adapted from the State Water Resources Control Board "A Compilation of Water Quality Goals", April 2011

Background

State Water Resources Control Board - Resolution No. 68-16

On October 24, 1968, the State Water Resources Control Board adopted Resolution No. 68-16 setting a policy for maintaining high quality water resources in California. This Resolution acknowledged that the "…California Legislature has declared that it is the policy of the State that the granting of permits and licenses for unappropriated water and the disposal of wastes into the water of the State shall be so regulated as to achieve highest water quality consistent with maximum benefit to the people of the State…".

This policy set the stage for protecting the high quality waters in the State of California by resolving that,

> "any activity which produces or may produce a waste or increased volume or concentration of waste and which discharges or proposes to discharge to existing high quality waters will be required to meet waste discharge requirements which will result in the best practicable treatment or control of the discharge necessary to assure that (a) a pollution or nuisance will not occur and (b) the highest water quality consistent with the maximum benefit to the people of the State will be maintained."

Santa Ana Regional Water Quality Control Board - Resolution No. R8-2004-0001

On January 22, 2004, the California Regional Water Quality Control Board, Santa Ana Region adopted Resolution No. R8-2004-0001, amending the Water Quality Control Plan for the Santa Ana River Basin incorporating an updated Total Dissolved Solids (TDS) and Nitrogen Management Plan for the Santa Ana Region, updated groundwater subbasins, revised TDS and nitrogen wasteload allocations.

During the preparation of the updated Basin Plan, stakeholders and the Regional Water Quality Control Board staff recognized that the reuse of recycled water is critical to many agencies' plans to meet the increasing water demands in the region. In some areas of the watershed, there exists assimilative capacity for the addition of TDS and/or nitrogen where wastewaters

with higher TDS/nitrogen concentrations than the receiving waters are diluted by natural rainfall or recharge so the TDS and nitrogen objectives of the receiving waters are met. In an area like the Beaumont Management Zone, assimilative capacity did not exist for the use of recycled water use or recharge until a "maximum benefit" objective was approved. The application of a "maximum benefit" objective is contingent on the implementation of certain projects and programs by specific dischargers as part of their maximum benefit demonstration.

Groundwater Management Zone	"Maximum Benefit" Water Quality Objective	Antidegradation Water Quality Objective
Beaumont Management Zone	330 mg/l	230 mg/l
Yucaipa Management Zone	370 mg/l	320 mg/l
San Timoteo Management Zone	400 mg/l	300 mg/l

Source: California Regional Water Quality Control Board Santa Ana Region, Resolution R8-2004-0001, Table 4-1.

State of California - Recycled Water Policy

On February 3, 2009, the California State Water Resources Control Board (SWRCB) adopted a Recycled Water Policy (the "Policy") formally declaring their mission to "preserve, enhance and restore the quality of California's water resources to the benefit of present and future generations."

To achieve this mission, the SWRCB encourages every region in California to develop a salt/nutrient management plan by 2014 to serve as a foundation to provide California with clean, abundant and sustainable water supplies. This goal is only accomplished by properly implementing a water resource strategy that maximizes the use of recycled water, water conservation, and the use of storm water (including dry-weather urban runoff). These water resources are viewed as drought-proof and reliable, and will generally minimize carbon footprints over the long-term.

The Recycled Water Policy formally sets forth the following goals for the State of California:

- Increase the use of recycled water over 2002 levels by at least one million acre-feet per year by 2020 and by at least two million acre-feet per year by 2030.
- Increase the use of storm water over use in 2007 by at least 500,000 acre-feet per year by 2020 and by at least one million acre-feet per year by 2030.
- Increase the amount of water conserved in urban and industrial uses by comparison to 2007 by at least 20 percent by 2020.
- Included in these goals is the substitution of as much recycled water for potable water as possible by 2030.

The SWRCB recognizes that some groundwater basins have salts and nutrients that exceed or threaten to exceed water quality objectives established in the applicable Water Quality Control Plans (Basin Plans). Therefore, it has been determined that salts and nutrients from all sources be managed on a basin-wide or watershed-wide basis in a manner that ensures attainment of water quality objectives and protection of beneficial uses.

The representatives from the Beaumont Cherry Valley Water District, the City of Banning, the San Gorgonio Pass Water Agency, and the Yucaipa Valley Water District support the principles established in the Recycled Water Policy adopted by the State Water Resources Control Board

and have agreed to jointly implement a salt management strategy to protect the water resources of the Beaumont Management Zone. These participating agencies agree with the State Water Board finding that the appropriate way to address salt management issues is through the development of a regional salt management strategy equally applied amongst all recycled water users and waste discharge permits in the Beaumont Management Zone.

San Timoteo Watershed Management Authority "Maximum Benefit" Commitments

On July 2, 1990, the State Water Resources Control Board issued an administrative procedure for antidegradation policy implementation. This policy requires an antidegradation analysis to be completed to "…support all regulatory actions that, in the Regional Board's judgment, will result in a significant increase in pollutant loadings".

When undertaking an antidegradation analysis, the Regional Board would proceed as follows:

1. Compare receiving water quality to the water quality objectives established to protect designated beneficial uses:

    a. If baseline water quality is equal to or less than the quality as defined by the water quality objective, water quality shall be maintained or improved to a level that achieves the objectives.

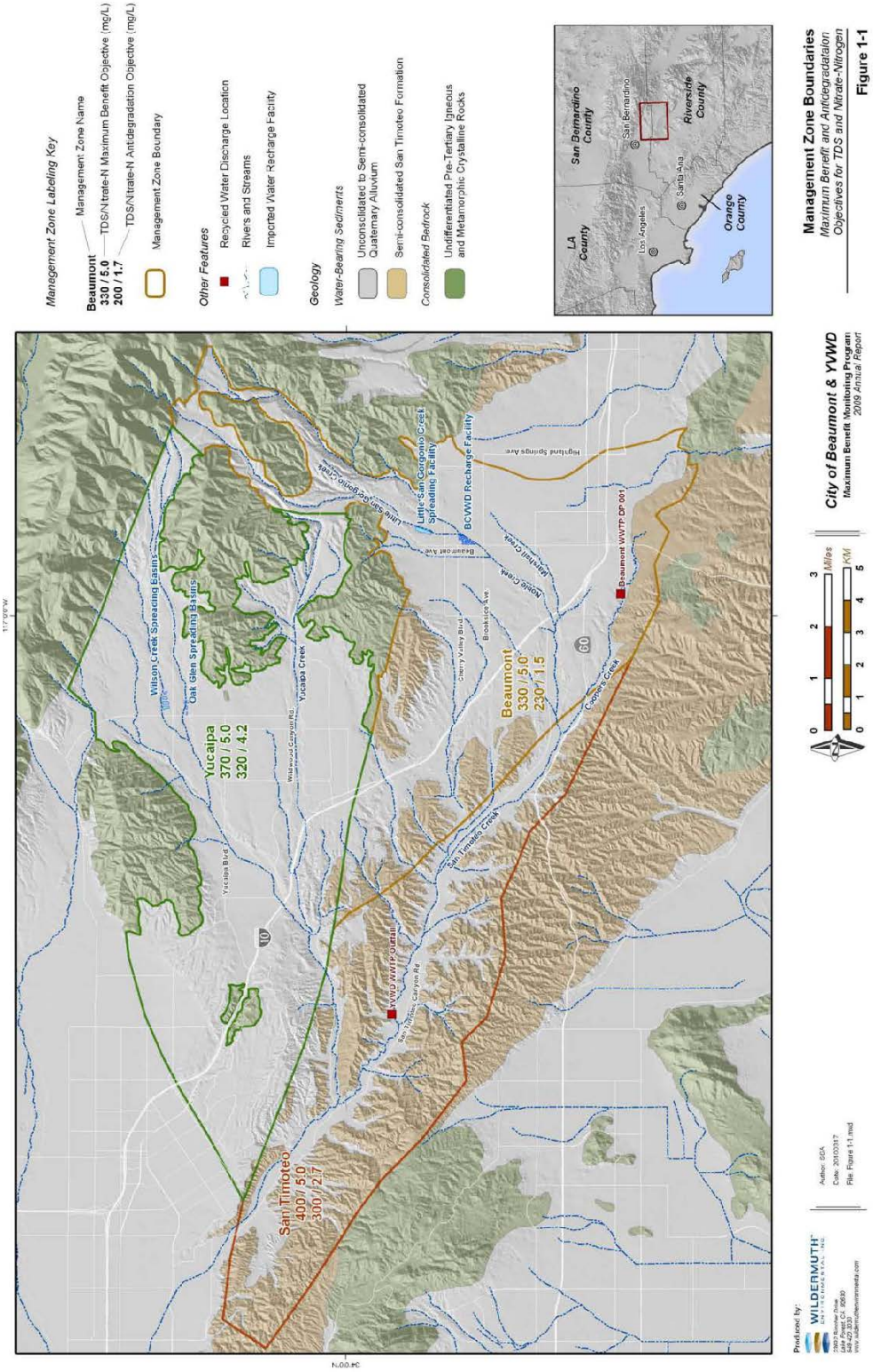
    b. If baseline water quality is better than the water quality as defined by the water quality objective, the baseline water quality shall be maintained unless poorer quality is necessary to accommodate important economic or social development and is considered to be of maximum benefit to the people of the State of California.

As part of the 2004 Basin Plan adopted by the Santa Ana Regional Water Quality Control Board, a number of the agencies participating in the preparation of this Salt Management Strategy were members of the San Timoteo Watershed Management Authority ("STWMA"). The STWMA identified to the Regional Water Quality Control Board in documentation dated October 30, 2002, that California Water Code section 13241 provides for a change of water quality objectives based on the following:

> "Each regional board shall establish such water quality objectives in water quality control plans as in its judgment will ensure the reasonable protection of beneficial uses and the prevention of nuisance; however, it is recognized that it may be possible for the quality of water to be changed to some degree without unreasonably affecting beneficial uses. Factors to be considered by a regional board in establishing water quality objectives shall include, but not necessarily be limited to, all of the following:
> a) Past, present, and probable future beneficial uses of water;
> b) Environmental characteristics of the hydrographic unit under consideration, including the quality of water available hereto;
> c) Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
> d) Economic considerations;
> e) The need for developing housing within the region;
> f) The need to develop and use recycled water."

Based on this criterion, the STWMA member agencies and the Santa Ana Regional Water Quality Control Board agreed to establish maximum benefit water quality objectives for the Beaumont Management Zone as long as the irrevocable commitments made by the member agencies are fulfilled. These irrevocable commitments are specifically identified in Resolution No. R8-2004-0001 (pages 72-78).

The parties recognize that failure to fully implement the commitments will required mitigation of the adverse water quality effects, both on the immediate and downstream waters that resulted from the recycled water discharges. Furthermore, the "mitigation by groundwater extraction and desalting must be adjusted to address concentrations of salt and nitrogen in the basin, not simply salt load"



Management Zone Boundaries
Maximum Benefit and Antidegradation Objectives for TDS and Nitrate-Nitrogen

Figure 1-1

Regional Salt Management Strategy

On September 13, 2010 the managers of the Beaumont Cherry Valley Water District, City of Beaumont and Yucaipa Valley Water District received an *Order Pursuant to Water Code Section 13267 for Technical Reports for a Technical Report to Support the Implementation of the Maximum Benefit Objectives for Total Dissolved Solids and Nitrate Nitrogen in the Beaumont Management Zone*. The Order required the preparation of a technical report that included the following elements:

1. Updated planning information for the use of all sources of water by each agency in the Beaumont Management Zone. This updated information needed to include flow, quality, and recharge or use location;

2. An update of the CSRM model to create 30-year TDS and nitrogen projections for the Beaumont Management Zone based on the full range of recycled water planning scenarios that are being considered; and

3A. An assessment of the individual and cumulative water quality impact as a result of each agency's water management activities; and

3B. A calculation of the salt liability of all recycled water users in the Beaumont Management Zone.

The required elements identified above as 1., 2., and 3A. have been previously provided to the Santa Ana Regional Water Quality Control Board. This draft document has been prepared in compliance with the required element 3B. above.

Over the past several months, the agencies involved in the preparation of this document have strongly embraced the importance of maintaining high quality water resources in the Beaumont Management Zone. Since the Beaumont Management Zone does not have a large volumes of natural runoff like the Bunker Hill B Management Zone, it is important to protect the local water quality in a manner consistent with the policies of the State of California and the Basin Plan as approved by the Santa Ana Regional Water Quality Control Board.

For illustration purposes, the following graph represents the water quality objectives and 2009 current ambient water quality as water resources proceed downstream from the Beaumont Management Zone to the Orange County Management Zone.

Total Dissolved Solids (mg/l)			
Management Zone	Water Quality Objective	Maximum Benefit Objective	2009 Current Ambient Water Quality
Beaumont	230	330	280
San Timoteo	300	400	420
Bunker Hill B	310	- -	270
Colton	410	- -	430
Riverside A	560	- -	430
Chino - South	680	- -	980
Orange County	580	- -	600

To maintain the high quality water resources of the Beaumont Management Zone, the undersigned agencies recognize the importance of fully implementing the commitments made by the San Timoteo Watershed Management Authority in order to maintain the maximum benefit objectives applied in the Beaumont Management Zone.

City of Banning:

Print Name	Signature	Date

Beaumont Cherry Valley Water District:

Print Name	Signature	Date

San Gorgonio Pass Water Agency:

Print Name	Signature	Date

Yucaipa Valley Water District:

Print Name	Signature	Date

1. **Surface Water Monitoring, Groundwater Monitoring and Ambient Groundwater Quality Determination.** (See Santa Ana Regional Water Quality Control Board Basin Plan, Table 5-10a, page 5-73 and 5-74, Items 1, 2, and 6)

   The Beaumont Cherry Valley Water District, the City of Banning, the San Gorgonio Pass Water Agency, and the Yucaipa Valley Water District are committed to continue our active role in surface water monitoring, groundwater monitoring and the preparation of the ambient groundwater quality determinations.

   To fully satisfy the maximum benefit commitment associated with surface water monitoring, groundwater monitoring and ambient groundwater quality determination, the Parties propose to jointly collect water quality samples and participate in the cost of data compilation and report preparation as provided in Exhibit C. The proposed water quality monitoring locations and tests performed will be reviewed and potential changes to the water quality protocol will be forwarded to the Regional Water Quality Control Board for review and approval every three years as part of the ambient water quality determination.

2. **Desalter and Brineline Facilities.** (See Santa Ana Regional Water Quality Control Board Basin Plan, Table 5-10a, page 5-73, Item 3)

The Yucaipa Valley Water District is in the process of completing an extension of the Santa Ana Regional Interceptor from the San Bernardino Wastewater Treatment Plant to the Wochholz Regional Water Recycling Facility. This brineline extension (the "Yucaipa Valley Regional Brineline") and associated reverse osmosis equipment is scheduled to be completed and operational by the second quarter of 2014.

With the completion of the brineline and reverse osmosis, the "maximum benefit" objectives necessary to protect the water resources of the Beaumont Management Zone is achieved for the Yucaipa Valley Water District and users of the recycled water produced by the Wochholz Regional Water Recycling Facility.

As provided in greater detail below, compliance with this commitment will be demonstrated as follows:

A. Recycled Water for Irrigation Purposes - Upon completion and operation of the Yucaipa Valley Regional Brineline and associated equipment, the Yucaipa Valley Water District will reduce the salinity of recycled water supplies to comply with a 10-year running average total dissolved solids ("TDS") concentration of 330 mg/l in the Beaumont Management Zone.

Compliance of this water quality objective will be measured in the recycled water system as a weighted average of recycled water within the management zone and will be achieved by blending imported water sources or desalting the recycled water supply. The ten-year compliance calculation would begin when recycled water from the Wochholz Regional Water Recycling Facility is first introduced into the recycled water system.

B. Recycled Water Recharge - Recycled water recharge, whether it is direct or incidental, shall comply with the maximum benefit objectives of the Beaumont Management Zone. Upon completion and operation of the Yucaipa Valley Regional Brineline and associated equipment, the Yucaipa Valley Water District will reduce the salinity of our recycled water to comply with a 10-year running average total dissolved solids ("TDS") concentration of 330 mg/l in the Beaumont Management Zone.

Compliance of this water quality objective will be measured at the point of discharge and will be achieved by desalting the recycled water supply and/or blending the recycled water supply with other imported water resources.

3. **Recycled (Non-Potable) Water Supply.** (See Santa Ana Regional Water Quality Control Board Basin Plan, Table 5-10a, page 5-73, Item 4)

The Beaumont Cherry Valley Water District, the City of Banning, the San Gorgonio Pass Water Agency, and the Yucaipa Valley Water District will maintain a 10-year running average total dissolved solids concentration of 330 mg/l in the recycled (non-potable) water supplies used in the Beaumont Management Zone.

Compliance of this water quality objective will be measured in the recycled water system as a weighted annual average concentration of all recycled water sources added to the recycled water system within the management zone. It is anticipated that an agency can comply with this "maximum benefit" commitment by blending the recycled water supply with water resources imported into the Beaumont Management Zone, imported water from the State Water Project, storm water added to the recycled water supply system, or by directly desalting the recycled water source.

4. **Recycled Water Recharge.** (See Santa Ana Regional Water Quality Control Board Basin Plan, Table 5-10a, page 5-73, Item 5)

The Beaumont Cherry Valley Water District, the City of Banning, the San Gorgonio Pass Water Agency, and the Yucaipa Valley Water District recognize the importance of maintaining the pure water resources in the Beaumont Management Zone. Therefore, the Parties will recharge recycled water, whether direct or incidental; in compliance with a 10-year running average of 330 mg/l total dissolved solids for the recharge of waters within the boundary of the Beaumont Management Zone.

Compliance of this water quality objective will be measured at the point of discharge to calculate the representative water quality and quantity recharged within the definitive recharge facility property/parcel boundary. The "maximum benefit" water quality objective at the recharge property/parcel is expected to be achieved by desalting the recycled water supply and/or blending recycled water with water resources added to the recharge facility such as imported water from outside the Beaumont Management Zone, imported water from the State Water Project, or storm water captured at the recharge facility. In all cases the quantity and quality of the water supplies recharged will be monitored and reported.

In cases whereby multiple Parties propose to recharge recycled water in the same recharge facility property/parcel boundary, each individual agency will separately demonstrate independent compliance with the maximum benefit objective. A comprehensive annual report will be compiled by the participating agencies demonstrating compliance with the maximum objective within the recharge facility property/parcel boundary by each agency.

The preparation of this document is based on a concept of consistent implementation of water quality objectives throughout the watershed. The Parties request permit language that provides an opportunity to ensure a consistent and uniform approach is applied to the implementation of waste discharge requirements in the region.

Exhibit A

Santa Ana Regional Water Quality Control Board Basin Plan

The 1995 Water Quality Control Plan for the Santa Ana River Basin (Region 8) was updated in February 2008 with minor, nonsubstantive editorial corrections made to Chapter 4 in June 2011. Attached for reference are pages 5-71 to 5-81.

2. San Timoteo and Beaumont Management Zones – City of Beaumont and San Timoteo Watershed Management Authority (STWMA)

As shown in Chapter 4, two sets of TDS and nitrate-nitrogen objectives have been adopted for both the San Timoteo and Beaumont Management Zones: the "maximum benefit" objectives and objectives based on historic ambient quality (the "antidegradation" objectives). The application of the "maximum benefit" objectives for these Management Zones is contingent on the implementation of commitments by the City of Beaumont/STWMA (and, in the case of the San Timoteo Management Zone, by the Yucaipa Valley Water District (YVWD; see preceding discussion)) to implement a specific water and wastewater resources management program [Ref. 10E]. This program is part of a coordinated effort by the member agencies of STWMA to develop and implement projects that will assure reliable water supplies to meet rapidly increasing demands in this area. The San Timoteo Watershed Management Program (STWMP) developed by STWMA entails enhanced recharge of native and recycled water, maximizing the direct use of recycled water, optimizing the direct use of imported water, recharge and conjunctive use.

Wastewater collection and treatment services in the STWMA service area are provided by the City of Beaumont, as well as YVWD. Beaumont discharges tertiary treated wastewater to Coopers Creek, a tributary of San Timoteo Creek, Reach 3. This unlined reach of the Creek overlies and recharges the San Timoteo groundwater management zone.

Table 5-10a identifies the projects and requirements that must be implemented by Beaumont/STWMA to demonstrate that water quality consistent with maximum benefit to the people of the state will be maintained. STWMA, acting for all its member agencies, has committed to conduct the regional planning and monitoring activities necessary to implement these "maximum benefit" commitments, and the San Timoteo Watershed Management Program as a whole. Table 5-10a also specifies an implementation schedule. The Regional Board will revise the City of Beaumont's waste discharge requirements and take other actions as necessary to require that these commitments be met. It is assumed that maximum benefit is demonstrated, and that the "maximum benefit" water quality TDS and nitrate-nitrogen objectives apply to the Beaumont and San Timoteo Management Zones, as long as the schedule is being met[7]. If the Regional Board determines that the maximum benefit program is not being implemented effectively in accordance with the schedule shown in Table 5-10a (and in the case of the San Timoteo Management Zone, the commitments and schedule shown in Table 5-9a (see preceding section)), then maximum benefit is not demonstrated, and the "antidegradation" TDS and nitrate-nitrogen objectives apply. In this situation, the Regional Board will require mitigation for TDS and nitrate-nitrogen discharges

[7] Application of "maximum benefit" objectives for the San Timoteo Management Zone is also contingent on the timely implementation of the commitments by the Yucaipa Valley Water District which are discussed in the preceding section.

affecting these management zones that took place in excess of limits based on the "antidegradation" objectives.

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Exhibit A

Table 5-10a

City of Beaumont and San Timoteo Watershed Management Authority
Maximum Benefit Commitments

Description of Commitment	**Compliance Date – as soon as possible, but no later than**
1. Surface Water Monitoring Program a. Submit Draft Monitoring Program to Regional Board b. Implement Monitoring Program c. Quarterly data report submittal d. Annual data report submittal	 a. January 23, 2005 b. Within 30 days from Regional Board approval of monitoring plan c. April 15, July 15, October 15, January 15 d. February 15th
2. Groundwater Monitoring Program a. Submit Draft Monitoring Program to Regional Board b. Implement Monitoring Program c. Annual data report submittal	 a. January 23, 2005 b. Within 30 days from Regional Board approval of monitoring plan c. February 15th
3. Desalter(s) and Brine Disposal Facilities Submit plan and schedule for construction of desalter(s) and brine disposal facilities. Facilities are to be operational as soon as possible but no later than 7 years from date of Regional Board approval of plan/schedule. b. Implement the plan and schedule	 a. Within 6 months of either of the following: i. When Beaumont's effluent 5-year running average TDS exceeds 480 mg/L; and/or ii. When volume weighted average concentration in the Yucaipa MZ of TDS exceeds 320 mg/L b. Within 30 days from Regional Board approval of monitoring plan
4. Non-potable water supply Implement non-potable water supply system to serve water for irrigation purposes. The non-potable supply shall comply with a 10-year running average TDS concentration of 330 mg/L or less	 December 23, 2014

Description of Commitment	**Compliance Date – as soon as possible, but no later than**
5. Recycled water recharge The recharge of recycled water in the Beaumont or San Timoteo Management Zones shall be limited to the amount that can be blended with other recharge sources to achieve a 5-year running average equal to or less than the "maximum benefit" objectives for TDS and nitrate-nitrogen for the relevant Management Zone(s). a. Submit baseline report of amount, locations, and TDS and nitrogen quality of stormwater/imported water recharge. b. Submit documentation of amount, TDS and nitrogen quality of all sources of recharge and recharge locations. For stormwater recharge used for blending, submit documentation that the recharge is the result of City of Beaumont/STWMA enhanced recharge facilities/programs	Compliance must be achieved by end of 5th year after initiation of recycled water use/recharge operations. a. Prior to initiation of construction of basins/other facilities to support enhanced storm/water imported water recharge . b. Annually, by January 15th, after initiation construction of facilities/implementation of programs to support enhanced recharge.
6. Ambient groundwater quality determination	July 1, 2005 and every 3 years thereafter
7. Replace denitrification facilities (if necessary to comply with TIN wasteload allocation specified in Table 5-5)	Compliance with 6 mg/L TIN limitation to be achieved by December 23, 2007
8. City of Beaumont recycled water quality Improvement plan and schedule a. Submit plan and schedule b. Implement plan and schedule	a. 60 days after the TDS 12-month running average effluent quality equals or exceeds 480 mg/L for 3 consecutive months and/or the 12-month running average TIN concentration equals or exceeds 6 mg/L in any month (once facility/operational changes needed to achieve 6 mg/L TIN are in place) b. Upon approval by Regional Board
9. Remove/reduce the discharge of Beaumont Effluent From the unlined portion of San Timoteo Creek a. Submit proposed plan/schedule b. Implement plan/schedule	a. June 23, 2005 b. Upon Regional Board approval

A. Description of City of Beaumont, San Timoteo Watershed Authority Commitments

1. Surface Water Monitoring Program (Table 5-10a, #1)

The City of Beaumont and the STWMA shall develop and submit for Regional Board approval a surface water monitoring program for San Timoteo, Little San Gorgonio and Noble Creeks at the locations listed in Table 5-10b. The monitoring program must be implemented within 30 days of Regional Board approval of the monitoring plan, and six months of data must be generated prior to the implementation of any changes to the effluent discharge points and before any recycled water is used in the Beaumont or San Timoteo Management Zones.

At a minimum, the surface water monitoring program shall include the collection of monthly measurements of TDS and nitrogen components at locations in San Timoteo, Little San Gorgonio and Noble Creeks (see Table 5-10b). Data reports shall be submitted to the Regional Board's Executive Officer by April 15, July 15, October 15 and January 15 each year. An annual report summarizing all data collected for the year and evaluating compliance with relevant surface water objectives shall be submitted February 15th of each year.

2. Groundwater Monitoring Program (Table 5-10a. #2)

The purpose of the groundwater monitoring program is to identify the effects of the implementation of the Beaumont and San Timoteo Management Zone maximum benefit TDS and nitrate-nitrogen water quality objectives on water levels and water quality within the Beaumont and San Timoteo Management Zones. Prior to discharge of recycled water to the Beaumont and/or San Timoteo Management Zone, the City of Beaumont and the STWMA shall submit to Regional Board for approval a groundwater monitoring program to determine ambient water quality in the Beaumont and San Timoteo Management Zones. The groundwater monitoring program must be implemented within 30 days of approval by the Regional Board.

An annual report, including all raw data and summarizing the results of the approved groundwater monitoring program, shall be submitted to the Regional Board by February 15th of each year.

3. Desalters and Brine Disposal (Table 5-10a. #3)

The City of Beaumont and the STWMA shall construct and operate desalting facilities and brine disposal facilities when:

a. The 5-year running average TDS concentration in recycled water produced at the City of Beaumont wastewater treatment plant exceeds 480 mg/L, or

b. The volume-weighted TDS concentration in the Beaumont Management Zone equals or exceeds 320 mg/L.

The construction of these facilities will be in accordance with a plan and schedule submitted by Beaumont/STWMA and approved by the Regional Board. The schedule shall assure that these facilities are in place within 7 years of Regional Board approval. These facilities shall be designed to stabilize or reverse the degradation trend evidenced by effluent and/or management zone quality.

Table 5 – 10b

Surface Water Monitoring Sites for Monitoring Water Quality and Quantity
City of Beaumont & San Timoteo Watershed Management Authority

Site Name	Discharge	Owner	Type	Discharge Frequency	Monitoring Period	Water Quality Monitoring Frequency	Water Quality Monitoring Period	Water Quality Monitoring Analyses
Above confluence With Coopers Cr.	San Timoteo Creek	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Bi-weekly	Jan-Dec	TDS, TIN, Physical
Near Hinda Sec.35 T2S,R2W	San Timoteo Creek	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Bi-weekly	Jan-Dec	TDS, TIN, Physical
Above confluence With San Timoteo Creek	Coopers Creek	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Bi-weekly	Jan-Dec	TDS, TIN, Physical
At Freeway 10	Little San Gorgonio Cr.	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Bi-weekly	Jan-Dec	TDS, TIN, Physical
At Freeway 10	Noble Creek	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Bi-weekly	Jan-Dec	TDS, TIN, Physical
Recharged to Beaumont MZ	State Water Project	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Monthly	Jan-Dec	TDS, Nitrate-N
Recharged to Beaumont MZ	Storm water	Beaumont & STWMA	Total Discharge	Bi-weekly	Jan-Dec	Monthly	Jan-Dec	TDS, Nitrate-N

4. Non-potable water supply distribution system (Table 5-10a, #4)

Like YVWD, the City of Beaumont is constructing a non-potable water system that will convey untreated State Project water and recycled water for irrigation within its service area. The intent of blending these sources is to minimize the impact of recycled water use on groundwater quality in the proposed Beaumont and San Timoteo Management Zones. A higher proportion of State Project water will be used in wet, surplus years, while larger amounts of recycled water will be used in dry, deficit years.

5. Recycled Water Use (Table 5-10a, #5)

The use of recycled water within the Beaumont Management Zone is a critical component of the City of Beaumont and STWMA water management plan and is necessary to maximize the use of the water resources of the Beaumont area.

The demonstration of "maximum benefit" and the continued application of the "maximum benefit" objectives depends on the combined recharge (recycled water, imported water, storm water) to the Beaumont Management Zone of a 5-year annual average (running average) TDS concentration of 330 mg/L and a nitrate-nitrogen concentration of 5 mg/L. If recycled water recharge in the San Timoteo Management Zone is pursued, then the application of the "maximum benefit" objectives will depend on the combined recharge to that Zone of 5-year annual average (running average) concentrations of 400 mg/L or less TDS, and 5 mg/L or less nitrate-nitrogen.

To comply with this requirement, the STWMA member agencies are developing plans to recharge and store State Project water in the proposed Beaumont Management Zone. The Beaumont-Cherry Valley Water District (BCVWD) is developing a new 80-acre groundwater recharge project that will increase storm water recharge in the Beaumont Basin by 4,100 acre-ft/yr. This facility will also be used to recharge State Water project water. The City of Beaumont is also developing storm water recharge in facilities in newly developing areas, which is expected to result in the recharge of an additional 2,400 acre-ft/yr of stormwater runoff.

Accordingly, the use of recycled water for use or recharge in the Beaumont or San Timoteo Management Zone shall be limited to the amount that can be blended on a volume-weighted basis with other sources of recharge to achieve 5-year running average concentrations less than or equal to the "maximum benefit" objectives for the affected groundwater management zone. The 25% nitrogen loss coefficient will be applied in determining the amount of recharge of other water sources that must be achieved to meet the 5-year running average nitrogen concentrations.

6. Ambient Groundwater Quality Determination (Table 5-10a, # 6)

By July 1, 2005, and every three years thereafter, the City of Beaumont and STWMA shall submit a determination of ambient TDS and nitrate-nitrogen quality in the Beaumont and San Timoteo Management Zones. This determination shall be accomplished using methodology consistent with the calculation (20-year running averages) used by the Nitrogen /TDS Task Force to develop the TDS and nitrate-nitrogen "antidegradation" water quality objectives for groundwater management zones within the region [Ref. 1].

7. Replacement/modification of denitrification facilities (Table 5-10a, #7)

The City of Beaumont has committed to produce recycled water with a 12-month average TIN concentration of 6 mg/L or less by 2008. This may be accomplished via operational changes, or may require the installation/modification of facilities. This TIN effluent quality is specified in the TIN wasteload allocation (see Table 5-5) and is necessary to assure compliance with the proposed "maximum benefit" nitrate-nitrogen objective for the Beaumont and San Timoteo Management Zones (5 mg/L). An appropriate schedule, not to exceed December 23, 2007 for compliance with this effluent limit will be specified in a revised NPDES permit for the City.

8. City of Beaumont Wastewater Management (Table 5-10a, #8)

Beaumont expects to limit the TDS concentration in its effluent to less than or equal to 490 mg/L by using a low TDS source water supply for potable uses, selective desalting of either source water and/or recycled waters, and minimizing the TDS waste increment.

Within 60 days after the Beaumont 12-month running average concentration for TDS equals or exceeds 480 mg/L for 3 consecutive months, or the 12-month running average TIN concentration equals or exceeds 6 mg/L in any month (once facility/operational changes needed to achieve 6 mg/L TIN are in place), the City of Beaumont shall submit to the Regional Board a plan and time schedule for implementation of measures to insure that the average agency wastewater effluent quality does not exceed 490 mg/L and 6 mg/L for TDS and TIN, respectively. The plan and schedule are to be implemented upon approval by the Regional Board.

9. Relocation of San Timoteo Creek Discharge (Table 5-10a, #9)

Like YVWD, Beaumont has established the goal of eliminating its discharge to the unlined reach of San Timoteo Creek by 2008 to minimize the impacts of these discharges on the San Timoteo Management Zone. The STWMP anticipates that Beaumont's recycled water will be almost completely reused within the Beaumont area for landscape irrigation, habitat enhancement, and potentially for groundwater recharge. Like YVWD, Beaumont and STWMA are also considering the export of a portion of Beaumont's surplus recycled water to the San Jacinto basin, where the

TDS objectives are higher than those for the Beaumont Management Zone and recycled water demands are greater than supplies. Some limited recycled water discharge to Coopers Creek and thence /San Timoteo Creek may need to be continued to support existing riparian habitat.

Whole or partial removal of the discharge from the unlined reach of San Timoteo Creek would improve the quality of groundwater in the San Timoteo Management Zone and supplement recycled water supplies available for reuse elsewhere in the service area.

By June 23, 2005, Beaumont/STWMA shall submit a proposed plan and schedule to remove/reduce the discharge of recycled water to the unlined reach of San Timoteo Creek. The plan and schedule shall be implemented upon Regional Board approval.

B. Implementation by Regional Board

1. Revision of City of Beaumont NPDES Permit

To implement the "maximum benefit" objectives, the Regional Board will revise the NPDES permit for the City of Beaumont wastewater discharge to reflect the commitments described above, as appropriate. This includes the following.

The discharge limits for TDS and TIN will be specified as an annual volume-weighted average not to exceed 490 mg/L TDS and 6 mg/L TIN. These limits are based on the wasteload allocation shown in Table 5-5. A schedule not to exceed December 23, 2007 for compliance with this TIN limit shall be included in the permit. This schedule will enable Beaumont to make the necessary facility/operational changes. Alternative TDS and nitrate-nitrogen limitations based on the "antidegradation" objectives will also be specified and will apply should the Regional Board find that maximum benefit is not demonstrated. These alternative limits are also specified in Table 5-5. Compliance schedules for these alternative limits will be specified in Beaumont's waste discharge requirements, as necessary.

Beaumont will be required to implement measures to improve effluent quality when the 12-month running average effluent TDS quality equals or exceeds 480 mg/L for 3 consecutive months, and/or when the 12-month running average TIN concentration equals or exceeds 6 mg/L in any month (once the facility/operational changes necessary to assure compliance with the 6 mg/L limit are in place).

Beaumont's waste discharge requirements will require that recycled water used for recharge shall be limited to the amount that can be blended with other water sources, such as stormwater or imported water, to achieve 5-year running average concentrations equal to or less than the "maximum benefit" TDS and nitrate-nitrogen objectives for the affected management zone (Beaumont or San Timoteo).

The effluent limits for the City of Beaumont, which establish an upper limit on TDS and TIN concentrations of recycled water discharged in the management zones, are

a key part of the maximum benefit demonstration. The cap on effluent TDS and TIN concentrations provides a controlling point for management of TDS and nitrogen water quality. The City of Beaumont has committed to initiate the building of a groundwater desalter and brine disposal line when the TDS in the City's effluent reaches 480 mg/L. Further, the City will immediately implement a salt management program to reduce the salts entering the City's wastewater treatment plant. This salt management program will include: 1) provision of incentives for the removal of on-site regenerative water softeners and the use of off-site regenerative systems; and 2) percolation of State Water Project water into the Beaumont Management Zone when State Water Project water has low TDS. Implementing these measures will assure that the groundwater quality remains at or below the Beaumont management zone objective of 330 mg/L TDS. Maintenance of this ambient groundwater quality is necessary, in turn, to assure that the City's wastewater treatment facility is able to meet the effluent TDS limits. Beaumont Management Zone groundwater is a component of the water supplied to the City and its quality thus has an important effect on the effluent quality. Poor ambient quality will preclude the City from meeting effluent limits without desalting.

Beaumont will be required to submit a proposed plan and schedule for the removal/reduction of its wastewater discharges from the unlined reach of San Timoteo Creek. Beaumont's revised permit will also reflect the surface and groundwater monitoring program requirements described above. This includes the determination of ambient quality in the San Timoteo and Beaumont Management Zones.

2. Review of Project Status

No later than 2005, and every three years thereafter (to coincide with the Regional Board's triennial review process), the Regional Board intends to review the status of the activities planned and executed by the City of Beaumont and STWMA to demonstrate maximum benefit and justify continued implementation of the "maximum benefit" water quality objectives. This review is intended to determine whether the commitments specified above and summarized in Table 5-10a are met. As indicated above, if, as a result of this review, the Regional Board finds that the City of Beaumont and STWMA commitments are not met and after consideration at a duly noticed Public Hearing, the Regional Board will make a finding that the lowering of water quality associated with TDS and nitrate-nitrogen water quality objectives that are higher than historical water quality (the "antidegradation" objectives) is not of maximum benefit to the people of the state. By default, the scientifically derived "antidegradation" objectives for the Beaumont and San Timoteo Management Zones would become effective (230 mg/L TDS and 1.5 mg/L nitrate-nitrogen for the Beaumont Management Zone; 300 mg/L TDS and 2.7 mg/L nitrate-nitrogen for the San Timoteo Management Zone (see Chapter 4).

Furthermore, in the event that the projects and actions specified in Table 5-10a are not implemented, the Regional Board will require that the City of Beaumont and STWMA mitigate the adverse water quality effects, both on the immediate and

downstream waters, that resulted from the recycled water discharges based on the "maximum benefit' objectives. As for CBW/IEUA and YVWD, discharges in excess of the antidegradation objectives that must be considered for mitigation include both recycled water and imported water, at TDS concentrations in excess of the antidegradation objectives. Mitigation by groundwater extraction and desalting must be adjusted to address concentrations of salt and nitrogen in the basin, not simply salt load.

(End of Salt Management Plan Section) (End of Resolution R8-2004-0001)

NONPOINT SOURCE PROGRAM

Considerable improvements in water quality have been achieved in the nation through the control of point source discharges such as those from sewage treatment plants or industrial facilities. It is now recognized that in many areas, nonpoint source inputs, such as urban nuisance flows and stormwater runoff, are the principal sources of contaminant inputs to surface and groundwaters.

In contrast to point sources, which discharge wastewater of predictable quantity and quality at a discrete point (usually at the end of a pipe), nonpoint source inputs are diffuse in origin and variable in quality. Management of nonpoint source inputs is in many ways more difficult to achieve, since it requires an array of control techniques customized to local watershed conditions.

Nonpoint Source Management Plan

Section 319 of the 1987 amendments to the Clean Water Act (33 USC 466 *et seq.*), established the framework for nonpoint source activities. Section 319 requires each state to prepare a Nonpoint Source Management Plan and to conduct an assessment of the impact nonpoint sources have on the state's waterbodies. In response to these requirements, the State Board adopted the Nonpoint Source Management Plan (NPSMP) in 1988 and the Water Quality Assessment in 1990 (see Chapter 6 for a discussion of the Water Quality Assessment). The NPSMP establishes a statewide policy for managing nonpoint source inputs to California's waters and is part of this Basin Plan.

The State Board defined six objectives of the Nonpoint Source Management Plan, four of which apply to activities in the Santa Ana Region:

1. Initiate and institutionalize activities for control of nonpoint source pollution (drainage from urban activities, agriculture, silviculture, abandoned mines construction, grazing, hydrologic modification, and individual disposal systems). These activities include outreach, education, public participation, technical assistance, financial assistance, interagency coordination, and demonstration projects.

Exhibit B

Order Pursuant to Water Code Section 13267 for Technical Reports for a Technical Report to Support the Implementation of the Maximum Benefit Objectives for Total Dissolved Solids and Nitrate Nitrogen in the Beaumont Management Zone

Exhibit B

California Regional Water Quality Control Board
Santa Ana Region

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 • FAX (951) 781-6288 • TDD (951) 782-3221
www.waterboards.ca.gov/santaana

Linda S. Adams
Secretary for
Environmental Protection

Arnold Schwarzenegger
Governor

September 13, 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Beaumont Cherry Valley Water District
Attention: Anthony Lara
Interim General Manager
560 Magnolia Avenue
Beaumont, CA 92223

City of Beaumont
Attention: David Dillon
Director of Economic Development
550 East 6th Street
Beaumont, CA 92223

Yucaipa Valley Water District
Attention: Joe Zoba
General Manager
12770 Second Street
Yucaipa, CA 92399

ORDER PURSUANT TO WATER CODE SECTION 13267 FOR TECHNICAL REPORTS FOR A TECHNICAL REPORT TO SUPPORT THE IMPLEMENTATION OF THE MAXIMUM BENEFIT OBJECTIVES FOR TOTAL DISSOLVED SOLIDS AND NITRATE NITROGEN IN THE BEAUMONT MANAGEMENT ZONE

Gentlemen:

This Order, issued pursuant to California Water Code section 13267, requires that you submit certain plans and schedules (collectively, reports) to evaluate the impact of discharges of total dissolved solids (TDS) and nitrogen on the Beaumont Groundwater Management Zone (Beaumont MZ). This requirement is consistent with the Salt Management Plan for the Santa Ana Region, and in particular the maximum benefit implementation plan for the Beaumont MZ, adopted by the California Regional Water Quality Control Board, Santa Ana Region (Regional Water Board) in 2004 (Resolution No. R8-2004-0001) and approved by the State Water Resources Control Board and the Office of Administrative Law in 2005.

Background of the Maximum Benefit Implementation Plan for the Beaumont MZ

On June 26, 2002, the San Timoteo Watershed Management Authority (STWMA[1]) submitted a proposal to establish maximum benefit objectives for TDS and nitrate-nitrogen for the Beaumont MZ to accommodate water resource management projects, including the recharge of stormwater,

[1] The San Timoteo Watershed Management Authority (STWMA) was formed in January 2001 by the Beaumont-Cherry Valley Water District (BCVWD), the City of Beaumont (Beaumont), the South Mesa Water Company and the Yucaipa Valley Water District (YVWD). The STWMA formed a stakeholder group to develop a watershed scale water resources management program that would provide a safe and reliable water supply for all water users in the watershed. In July 2010, STWMA disbanded.

imported State Project Water (SPW), and recycled water. The maximum benefit objectives and commitments for Beaumont MZ were based on detailed model projections and analyses conducted by Wildermuth Environmental, Inc (WEI). The modeling analysis utilized a Constantly Stirred Reactor Model (CSRM), and simulated TDS groundwater quality through 2100 resulting from the implementation of several planned scenarios, including a no project alternative and the preferred maximum benefit alternative. The preferred maximum benefit alternative assumes that 10,000 acre-ft of replenishment water will be recharged into the Beaumont MZ with a 50/50 mix of recycled water and SPW. The preferred option also assumed that 5,100 acre-ft of non-potable supply of a 50 /50 mix of SPW and recycled water would be used within the Beaumont MZ. The TDS quality of recycled water, to be provided by the City of Beaumont Wastewater Treatment Plant (WWTP), was assumed to have an average TDS concentration of 550 mg/L, and the imported water was assumed to have a TDS concentration of 290 mg/L.

The Regional Board adopted the maximum benefit proposals in 2004 (Resolution No. R8-2004-0001), assigning STWMA and the City of Beaumont the responsibility for implementing the maximum benefit commitments in the Beaumont MZ. The commitments include building desalting facilities when either of the following occurs:

- When the five-year average TDS concentration in recycled water produced by the Beaumont WWTP is 10 mg/L less than its current TDS limit (490 mg/L), or
- When the volume-weighted TDS concentration in the Beaumont MZ rises to within 10 mg/L of the maximum benefit TDS objective of 330 mg/L.

Resolution No. R8-2004-0001 also specifies similar maximum benefit implementation programs for the Yucaipa and San Timoteo MZs. Yucaipa Valley Water District (YVWD) is responsible for implementation of the maximum benefit commitments for the Yucaipa MZ, and is jointly responsible for implementing the maximum benefit commitments for the San Timoteo MZ along with the City of Beaumont and STWMA.

Permitting Issues

Since 2009, the Beaumont Cherry Valley Water District (BCVWD) has been working with Regional Board staff to obtain a recycled water permit to utilize various sources of water for non-potable use and for recharge in the Beaumont MZ. BCVWD is proposing to use recycled water from both the Yucaipa Valley Water District (YVWD) and the City of Beaumont, local groundwater, and imported SWP water. The ranges of anticipated flow and water quality for the YVWD recycled water and local groundwater for the near term (2015) and long term (2035), are described in a June 2, 2010 letter report submitted by BCVWD, which is attached as Exhibit A. These "new" sources of water – the YVWD recycled water and local groundwater – were not considered in the original model projections and analyses conducted by WEI in 2002. Therefore, the water quality impact of these "new" sources on the Beaumont MZ is unknown.

The City of Beaumont is also working with Regional Board staff to renew and update their Waste Discharge Requirements (WDRs) to increase the discharge from 4 MGD (approximately 4,484 acre-ft/year) to 8 MGD (8,968 acre-ft/year). Concurrently, YVWD has requested revisions to their WDRs to correct an error in the TDS limit for recycled water used for irrigation, and to include a provision allowing for the recharge of recycled water into the Beaumont MZ. YVWD's proposed irrigation use and recharge of recycled water in the Beaumont MZ was not considered in the original analysis by WEI, and the impact of these discharges needs to be evaluated.

Basin Plan Amendment Issues

As previously indicated, the Basin Plan specifies that STWMA and the City of Beaumont are responsible for implementing the maximum benefit commitments related to the Beaumont MZ. However, with the dissolution of STWMA, the responsibilities for carrying out the maximum benefit commitments in the Beaumont MZ need to be re-assessed. Some STWMA members, including BCVWD, the City of Beaumont and YVWD, continue to have and/or have expressed new interest in water management activities, including the use/increased use of recycled water, in the Beaumont MZ. Given this, it is necessary to reconsider the assigned responsibilities for implementing maximum benefit commitments for the Beaumont MZ. One STWMA member, South Mesa Water Company, has no interest in the Beaumont MZ, and should not be included in the maximum benefit program. In sum, the Basin Plan needs to be revised to incorporate changes in water resource and salt management, and maximum benefit implementation in the Beaumont MZ. To do so, an updated modeling analysis is necessary. It should be noted that this analysis is necessary in any case to support current permitting requests, described above. The analysis must include an assessment of salt liabilities by these agencies under the different management scenarios so that the responsibilities for maximum benefit implementation can be properly assigned.

Required Submittals

Consistent with the Salt Management Plan, you are hereby required to submit an updated analysis for the Beaumont MZ to the Regional Water Board as soon as possible, but **no later than November 30, 2010**. The analysis must include the following:

1) Updated planning information for the use of all sources of water by each agency in the Beaumont MZ. This updated information shall include flow, quality, and recharge or use location;

2) An update of the CSRM model to create 30-year TDS and nitrogen projections for the Beaumont MZ based on the full range of recycled water planning scenarios that are being considered; and

3) An assessment of the individual and cumulative water quality impact as a result of each agency's water management activities and calculation of the salt liability of all recycled water users in Beaumont MZ

The model analysis that is conducted must be consistent with the model analysis that was performed as part of the 2002 maximum benefit proposal.

We recommend that BCVWD, YVWD and the City of Beaumont conduct a single joint analysis. However, if each agency chooses to submit a separate analysis, it must include an assessment of all planned water uses by all agencies and include all the elements identified above.

Need for Technical Report

The Regional Water Board is charged with the protection of water quality in this Region. Unless properly managed, the discharge of salt or nitrogen as a result of water management activities in Beaumont MZ has the potential to contribute to the degradation of water quality and adversely affect beneficial uses. The technical report required by this Order is needed to determine the contribution of

salt and nitrogen from water use and water resource management activities. The data and information will assist efforts to carry out implementation of the maximum benefit program, as set forth in the Basin Plan, in the Beaumont MZ.

Evidence Supporting the Need for the Technical Reports

Monitoring and modeling conducted to develop the maximum benefit programs demonstrated that water management activities (e.g., irrigation use and recharge of recycled water) discharge salt and nitrogen to the Beaumont MZ. The evidence demonstrating that water management activities are sources of salt and nitrogen discharges is contained in letter report from STWMA "Revised San Timoteo Watershed Management Authority proposal for new total dissolved solids (TDS) and total inorganic nitrogen (TIN) water quality objectives for the Beaumont, San Timoteo, and Yucaipa management zones based on maximum beneficial use", and Exhibit A - TDS Budget Table, June 2002, and a letter report from BCVWD "Estimated Recycled Water and Imported Water Needs to Support Groundwater Quality Evaluation", June 2010. Based on these analyses, the three agencies have discharged, or are planning discharges that do and could potentially contribute salt and nitrogen loads in Beaumont MZ.

Burden and Cost of Technical Reports

The estimated cost of a single joint analysis is $36,000 (as reflected in the proposal to BCVWD and the City of Beaumont by WEI dated August 12, 2010). The three agencies can choose to share the cost of a single analysis and report, or prepare separate analyses and reports on their own. Logically, the cost of three separate analyses and reports will be higher. Since the analysis requires data and information from all three agencies, if the analysis is conducted separately for each agency, Regional Board staff estimates the total cost could potentially be $36,000 per agency for a total of $108,000.

Regardless of whether a single or combined analytical approach is selected, the costs of the technical reports required by this Order are justified. Without this information, we will not be able issue WDRs in a timely fashion. The preparation of the above report is also necessary to provide for continued implementation of the maximum benefit objectives for the Beaumont Management Zone.

Penalties

Though we are confident you will make every effort to comply with this Order in a timely manner, please be advised that pursuant to section 13268 of the California Water Code, failure to submit the required information by the specified compliance date, or falsifying any information provided therein, is a misdemeanor and may result in civil liability. Noncompliance may subject you to administrative civil liability in the amount of up to $1,000 for each day of violation. Compliance with this Order is not a substitute for compliance with other applicable laws and does not preclude action to enforce compliance with such other laws.

Appeal

Any person affected by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with section 13320 of the California Water Code and Title 23, California Code of Regulations, section 2050. The petition must be received by the State Water Board within 30 days of the date of this Order. The State Board's website (http://www.swrcb.ca.gov/wqpetitions/index.html) contains detailed information regarding the petition process. Copies of the law and regulations applicable to filing petitions will be provided upon request. In addition to filing a petition with the State Water Board, any person affected

Exhibit B

by this Order may request the Regional Water Board to reconsider this Order. To be timely, such a request must be received within 30 days of the date of this Order. Note that even if reconsideration by the Regional Water Board is sought, filing a timely petition with the State Water Board is also necessary to preserve the petitioner's legal rights. If you choose to request reconsideration of this Order or file a petition with the State Water Board, be advised that you must comply with the Order while your request for reconsideration and/or petition is being considered.

If you have any questions regarding the Order, or wish to schedule a meeting to discuss, please contact, Dr. Cindy Li, Engineering Geologist, at (951) 782-4906 or cli@waterboards.ca.gov.

Sincerely,

Joanne E. Schneider
Division Chief

cc: Regional Board
David Rice, Office of Chief Counsel, SWRCB, DavidRice@waterboards.ca.gov

Attachment: Exhibit A - Estimate of Recycled Water and Imported Water Needs in support of Groundwater Quality Evaluation for Cherry Valley Water District Recycled Water Permit

Exhibit C

Proposed Regional Groundwater and Surface Water Monitoring Program for the Beaumont Management Zone, the San Timoteo Management Zone and the Yucaipa Management Zone

The attached monitoring plan is currently being reviewed by the participating agencies. The document will be enhanced to include additional monitoring to demonstrate full compliance with the "maximum benefit" objectives based on the results of the meeting conducted on September 13, 2011.

Exhibit C

DRAFT MONITORING PROGRAM - SUBJECT TO MODIFICATION

Maximum Benefit Surface and Groundwater Monitoring Program for the Yucaipa, Beaumont and San Timoteo Management Zones

On January 22, 2004, the Santa Ana Regional Water Quality Control Board amended the Basin Plan with regard to TDS/Nitrogen Management in the Santa Ana River Watershed. In the Basin Plan amendment the Regional Water Quality Control Board found that appropriate beneficial use protection/maximum benefit demonstrations were made by the Yucaipa Valley Water District and the San Timoteo Watershed Management Authority to justify establishing alternative "maximum benefit" objectives for the Beaumont, San Timoteo and Yucaipa Groundwater Management Zones.

As part of the maximum benefit commitments, the Yucaipa Valley Water District, the members of the San Timoteo Watershed Management Authority, and the City of Beaumont have agreed to administer extensive and ongoing surface and groundwater monitoring programs in the Beaumont, San Timoteo, and Yucaipa Management Zones. With the dissolution of the San Timoteo Watershed Management Authority, it has become necessary to fully reevaluate the groundwater and surface water monitoring program and directly assign monitoring responsibilities to the City of Banning, City of Beaumont, Beaumont Cherry Valley Water District, the San Gorgonio Pass Water Agency, and the Yucaipa Valley Water District.

The following monitoring program has been developed to provide a common sense approach to ongoing water resource monitoring currently performed by each agency.

Beaumont, San Timoteo and Yucaipa Management Zone Surface Water Monitoring and Sampling Program

Surface water in the Yucaipa Management Zone is monitored for ground water recharge. Recharge by Yucaipa Valley Water District consists of State Project Water disbursement into either the Wilson Creek or Oak Glen spreading basins. Total recharge is determined by the amount of Imported State Water purchased and water quality samples are collected monthly for the duration of the discharge. The parameters for water quality are listed in Table 2. Storm water is monitored in a similar manner.

Pre-established surface water monitoring sites in the Beaumont, Yucaipa and San Timoteo Watershed are monitored bi-weekly for total discharge and field measurements (Table 2) consisting of temperature, pH, electrical conductivity, and dissolved oxygen content. Water quality samples are collected and analyzed for total inorganic nitrogen using ammonia, nitrate and nitrite as the dominant nitrogen species. Samples are also analyzed for total dissolved solids and turbidity. Additional alterations to current sites are provided in footnotes to Table 1.

Surface water monitoring in the San Timoteo Management Zone is performed on a bi-weekly schedule. Discharge and field measurements are taken at each location and a water quality sample is collected for analysis of the parameters listed in Table 2.

Exhibit C

DRAFT MONITORING PROGRAM - SUBJECT TO MODIFICATION

Table 1: Surface Water Monitoring Sites in Beaumont, San Timoteo, and Yucaipa Management Zones			
Site ID	Site Name	Discharge Description	Monitoring Agency
San Timoteo Management Zone			
YVWD-A	Above YVWD Recycled Water Discharge	San Timoteo Creek	YVWD
YVWD WWTP	YVWD Wastewater Treatment Facility	Recycled Water Effluent	YVWD
YVWD-B	Above confluence with Yucaipa Creek	San Timoteo Creek	YVWD
YVWD-C	Above levy system and concrete channel	San Timoteo Creek	YVWD
YVWD-D†	Concrete Channel at Barton Road	San Timoteo Creek	YVWD
YVWD-E	11055700 Gage	San Timoteo Creek	YVWD
YVWD-F	Santa Ana River above confluence	Santa Ana River	YVWD
YVWD-G	11059300 Gage, below confluence	Santa Ana River	YVWD
STWMA-2	San Timoteo Canyon Rd's 1st crossing w/ San Timoteo Creek	San Timoteo Creek & Ground water	Beaumont
Beaumont Management Zone			
BWWTP	Beaumont Wastewater TP #1	Recycled Water Effluent	Beaumont
STWMA-1*	Confluence of Noble and Marshal creeks	San Timoteo Creek	BCVWD
STWMA-3	Coopers Creek below BWWTP outfall	Coopers Creek	Beaumont
STWMA-4*	Above confluence w/ Noble Creek	Little San Gorgonio Creek	BCVWD
STWMA-5*	Above confluence w/ Marshal Creek at BCVWD recharge site	Noble Creek	BCVWD
STWMA-6/8	At Devil's Canyon	State Project Water	SGPWA
BMZ-5	Un-named creek behind Lowe's Distribution Center w/ mountain front runoff into BCVWD recharge facility	Un-named creek/stormwater runoff	BCVWD
STWMA-7	Oak Glen Road above entrance to BCVWD recharge facility	Stormwater/recharge	Beaumont
BMZ-6	At SGPWA recharge facility for State Project Water on Noble Creek	Noble Creek	BCVWD
BMZ-1	At Brookside Ave.	Mountain View Channel	BCVWD
BMZ-2	Stormwater detention pond @ Highland Springs & Eighth St	Stormwater/recharge	Beaumont
BMZ-3	Stormwater detention pond on Eighth St E/o Cherry Ave	Stormwater/recharge	Beaumont
BMZ-4	Where Smith Creek crosses Wilson St.	Smith Creek	Banning
Yucaipa Management Zone			
YMZ-1	Wilson and/or Oak Glen spreading basins	State Project Water for Groundwater recharge	YVWD
YMZ-2	Wilson and/or Oak Glen spreading basins	Stormwater runoff for Groundwater recharge	YVWD

*Previously monitored by City of Beaumont- BCVWD will assume responsibility pending approval by the Regional Board.

†Site has proven problematic for monitoring. Currently surface water entrance into concrete channel is covered with sediment. San Bernardino County Flood Control District estimates channel will be cleared by April 2012. Not recommending site for monitoring.

Table 2: Surface Water Monitoring Program Parameters		
Field Measurements	Bi-weekly water quality samples	Groundwater recharge
Temperature	Total Dissolved Solids (TDS)	Total Dissolved Solids (TDS)
Conductivity	Turbidity	Nitrate-Nitrogen
pH	Ammonia-Nitrogen	
Dissolved Oxygen	Nitrate-Nitrogen	
	Nitrite-Nitrogen	
	Total Inorganic Nitrogen (TIN)	

In addition to these surface sites, results from YVWD's Wochholz Regional Water Recycling Facility (WRWRF) and the City of Beaumont's WWTP no. 1 final effluent monitoring for monthly NPDES reporting and daily discharge are reported (Table 3).

Table 3: Wochholz Regional Water Recycling Facility and Beaumont Wastewater Treatment Plant parameters reported for surface water monitoring program			
Monthly WWTP reporting	Quarterly WWTP reporting		
Ammonia-Nitrogen	Arsenic	Barium	Boron
Nitrate-Nitrogen	Cadmium	Calcium	Cobalt
Nitrite-Nitrogen	Copper	Carbonate	Bicarbonate
Total Inorganic Nitrogen (TIN)	Lead	Chloride	Fluoride
12-month Average TIN	Iron	Mercury	Magnesium
Total Dissolved Solids (TDS)	Nickel	Manganese	Selenium
12-month Average TDS	Sodium	Silver	Sulfate
Total Hardness	Aluminum	Total Chromium	
Free Cyanide	Total Organic Carbon, TOC		Zinc
Total Suspended Solids (TSS)	Benzene	Dibromochloromethane	
Bis(2-ethylhexyl)phthalate	Bromodichloromethane		Chloroform

Groundwater Monitoring and Sampling in the Beaumont, San Timoteo and Yucaipa Management Zones

Ground water level measurements are taken monthly for all monitored wells in Beaumont, San Timoteo and Yucaipa Management Zones with one exception. It is not possible to measure ground water level at San Timoteo Management Zone GW-3, a privately owned well. Ground water levels are assumed to be similar to Yucaipa Valley Water District owned well, MW-3, located approximately 50 feet from GW-3. Yucaipa Valley Water District gathers data on ground water level and quality for those wells located within YMZ but not under its direct jurisdiction on an annual basis for inclusion in the annual RWQCB report.

Table 4: Groundwater Monitoring Sites in the San Timoteo Management Zone

Well ID	Description	Data type	Monitoring Agency
MW-1 (1221779)	San Timoteo Canyon Rd.	Level only	YVWD
MW-2 (1221780)	Alessandro St.	Level & Quality	YVWD
MW-3 (1221781)	Live Oak/San Timoteo Canyon	Level & Quality	YVWD
MW-4 (1221782)	above WWTP outfall pipe	Level & Quality	YVWD
MW-5A (1222103)	San Timoteo Canyon Rd.	Level & Quality	YVWD
MW-5B (1222104)	San Timoteo Canyon Rd.	Level & Quality	YVWD
MW-5C (1222105)	San Timoteo Canyon Rd.	Level & Quality	YVWD
GW-3 (1222106)	Live Oak/San Timoteo- Private well	Quality Only	YVWD
GL-8 (1201605)	San Timoteo Canyon Rd-orchard	Level only	YVWD
GL-6 (1003044)	O. Hudson property on Live Oak Canyon Rd	Level & Quality	YVWD
BH-9 (1220051)	1.25" pvc pipe-Live Oak Canyon	Level & Quality	YVWD
Heartland well (1208660)	Owned by City of Beaumont	Level & Quality	Beaumont
San Tim-1 (1222061)	Owned by City of Beaumont	Level & Quality	Beaumont
San Tim-2B/1 (1222079)	Owned by City of Beaumont	Level & Quality	Beaumont
San Tim-2B/2 (1222080)	Owned by City of Beaumont	Level & Quality	Beaumont
1207756	East Valley Golf Club: 335645117024201	Level only	Beaumont
Well 2 (1201582)	Fisherman's Retreat	Level & Quality	Beaumont
Well 1 (1003079)	Fisherman's Retreat	Quality Only	Beaumont
ONE (1003049)	El Casco Lake Ranch	Level & Quality	Beaumont
1003049 (1003048)	Chester Hildebrand property	Level only	Beaumont
BH-19 (1220052)	Metropolitan Water District well	Level & Quality	Beaumont
Well 1 (1201539)	MCM poultry	Level & Quality	Beaumont

Table 5: Ground Water Monitoring Program Sites in the Yucaipa Management Zone			
Site ID	Monitoring Entity	Site ID	Monitoring Entity
Pendleton	YVWD	WHWC 02A	Western Heights WC
Wilson B	YVWD	WHWC 03	Western Heights WC
YVWD 02	YVWD	WHWC 06B	Western Heights WC
YVWD 05	YVWD	WHWC 09	Western Heights WC
YVWD 06	YVWD	WHWC 10	Western Heights WC
YVWD 07	YVWD	WHWC 11	Western Heights WC
YVWD 10	YVWD	WHWC 12	Western Heights WC
YVWD 12	YVWD	WHWC 14	Western Heights WC
YVWD 13	YVWD	5th Ave 1	City of Redlands
YVWD 14	YVWD	CHICKNH4	City of Redlands
YVWD 16	YVWD	HOG CYN 2	City of Redlands
YVWD 18	YVWD	Redlands 10	City of Redlands
YVWD 24	YVWD	Redlands 11	City of Redlands
YVWD 25	YVWD	Redlands 12	City of Redlands
YVWD 26	YVWD	Redlands 13	City of Redlands
YVWD 27	YVWD	Redlands 14	City of Redlands
YVWD 27A	YVWD	Redlands 16	City of Redlands
YVWD 28	YVWD	Redlands 17	City of Redlands
YVWD 37	YVWD	Redlands 36	City of Redlands
YVWD 43	YVWD	Redland Hts	City of Redlands
YVWD 44	YVWD	Yucaipa Well	City of Redlands
YVWD 46	YVWD	Y-02	County of San Bernardino
YVWD 49	YVWD	Y-03	County of San Bernardino
YVWD 50	YVWD	Y-04	County of San Bernardino
YVWD 53	YVWD	Y-05	County of San Bernardino
YVWD 54	YVWD	Y-08	County of San Bernardino
YVWD 55	YVWD	Y-09A	County of San Bernardino
YVWD 56	YVWD	Y-09B	County of San Bernardino
GL-1	YVWD	Y-10A	County of San Bernardino
GL-2	YVWD	Y-10B	County of San Bernardino
GL-3	YVWD	Y-11A	County of San Bernardino
GL-4	YVWD	Y-11B	County of San Bernardino
GL-5	YVWD	Y-12	County of San Bernardino
		Y-13	County of San Bernardino
SMWC 01	South Mesa WC	Y-14	County of San Bernardino
SMWC 03	South Mesa WC	Y-15	County of San Bernardino
SMWC 05	South Mesa WC	Y-16	County of San Bernardino
SMWC 07	South Mesa WC	Y-17	County of San Bernardino
SMWC 09	South Mesa WC	Y-18	County of San Bernardino
SMWC 11	South Mesa WC	Y-19	County of San Bernardino
SMWC 12	South Mesa WC	Y-21	County of San Bernardino
SMWC 16	South Mesa WC	Y-22	County of San Bernardino

Table 6: Beaumont Management Zone Ground Water Monitoring Sites.		
Well ID	Description	Monitoring Entity
1	Beaumont Basin Well	BCVWD
3	Beaumont Basin Well	BCVWD
16	Beaumont Basin Well	BCVWD
21	Beaumont Basin Well	BCVWD
22	Beaumont Basin Well	BCVWD
23	Beaumont Basin Well	BCVWD
24	Beaumont Basin Well	BCVWD
25	Beaumont Basin Well	BCVWD
26	Beaumont Basin Well	BCVWD
29	Beaumont Basin Well	BCVWD
4A	Edgar Canyon Well	BCVWD
5	Edgar Canyon Well	BCVWD
6	Edgar Canyon Well	BCVWD
12	Edgar Canyon Well	BCVWD
19	Edgar Canyon Well	BCVWD
MW-1	BMZ Monitoring Well	BCVWD
MW-2	BMZ Monitoring Well	BCVWD
MW-3 Deep	BMZ Monitoring Well	BCVWD
MW-3 Shallow	BMZ Monitoring Well	BCVWD
MW-4 Deep	BMZ Monitoring Well	BCVWD
MW-4 Shallow	BMZ Monitoring Well	BCVWD
MW-5 Deep	BMZ Monitoring Well	BCVWD
MW-5 Shallow	BMZ Monitoring Well	BCVWD
Well 48	YVWD Production Well	YVWD
C2A	City of Banning Source Well	City of Banning
C3	City of Banning Source Well	City of Banning
M3	City of Banning Source Well	City of Banning

Ground water quality (Table 7) is measured annually in San Timoteo Management Zone and according to Title 22 of the California Code of Regulations cycle sampling schedule for production wells in the Yucaipa Management Zone.

Wells are sampled annually until 3 consecutive years of qualifying data are gathered. At which point water quality samples need only be collected on a triennial basis for participation in the recalculation of ambient ground water quality stipulated by the Santa Ana River Basin Plan (2004).

Recharge to Yucaipa Management Zone is either storm water or State Project water and is monitored for total recharge (volume), nitrate and total dissolved solids.

Table 7: Ground Water Monitoring Parameters in Beaumont, San Timoteo and Yucaipa Management Zones		
Field Measurements	Water Quality Parameters	
Temperature	Total Dissolved Solids (TDS)	Chloride
Conductivity	Nitrate-Nitrogen or Nitrate as nitrate	Fluoride
pH	Total Alkalinity (as $CaCO_3$)	Potassium
	Carbonate and Bicarbonate	Sodium
	Silica (as SiO_3)	Sulfate
	Total Hardness (includes Ca and Mg)	

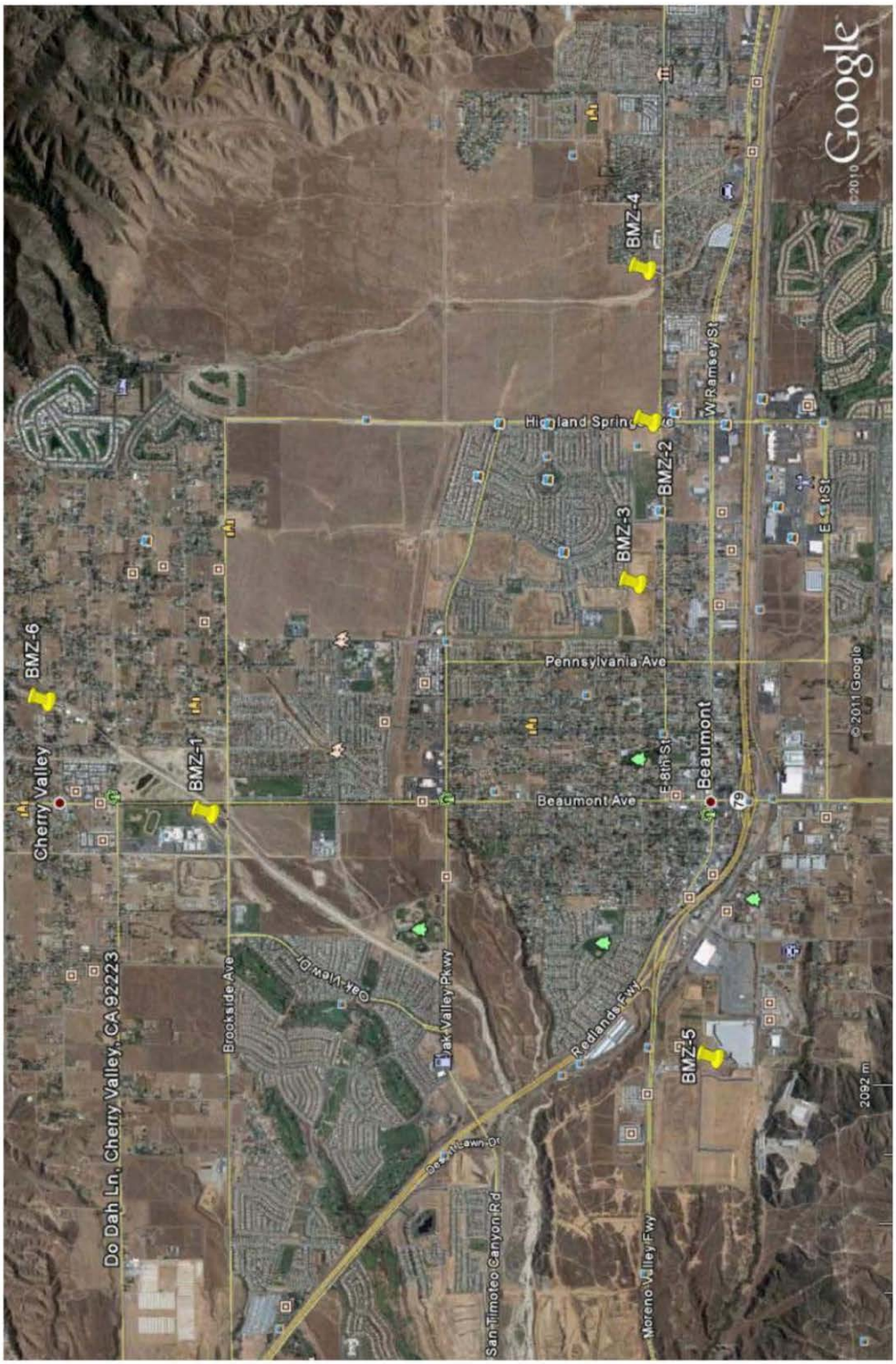
Reporting Requirements

A summary of surface water monitoring activities within the San Timoteo Management Zone is provided to the Santa Ana Regional Water Quality Control Board quarterly. Ground water levels are measured on a monthly basis and reported annually along with ground water quality results.

A complete report of all San Timoteo and Yucaipa Management Zones is combined with the City of Beaumont's similar compilation of their efforts within the Beaumont Management Zone and STMZ; the results are interpreted and presented to RWQCB annually on or before April 15 of each year.

Exhibit C

DRAFT MONITORING PROGRAM - SUBJECT TO MODIFICATION



Maximum Benefit Surface and Groundwater Monitoring Program for the Yucaipa, Beaumont and San Timoteo Management Zones

On January 22, 2004, the Santa Ana Regional Water Quality Control Board amended the Basin Plan with regard to TDS/Nitrogen Management in the Santa Ana River Watershed. In the Basin Plan amendment the Regional Water Quality Control Board found that appropriate beneficial use protection/maximum benefit demonstrations were made by the Yucaipa Valley Water District and the San Timoteo Watershed Management Authority to justify establishing alternative "maximum benefit" objectives for the Beaumont, San Timoteo and Yucaipa Groundwater Management Zones.

As part of the maximum benefit commitments, the Yucaipa Valley Water District, the members of the San Timoteo Watershed Management Authority, and the City of Beaumont have agreed to administer extensive and ongoing surface and groundwater monitoring programs in the Beaumont, San Timoteo, and Yucaipa Management Zones. With the dissolution of the San Timoteo Watershed Management Authority, it has become necessary to fully reevaluate the groundwater and surface water monitoring program and directly assign monitoring responsibilities to the City of Banning, City of Beaumont, Beaumont Cherry Valley Water District, the San Gorgonio Pass Water Agency, and the Yucaipa Valley Water District.

The following monitoring program has been developed to provide a common sense approach to ongoing water resource monitoring currently performed by each agency.

Beaumont, San Timoteo and Yucaipa Management Zone Surface Water Monitoring and Sampling Program

Surface water in the Yucaipa Management Zone is monitored for ground water recharge. Recharge by Yucaipa Valley Water District consists of State Project Water disbursement into either the Wilson Creek or Oak Glen spreading basins. Total recharge is determined by the amount of Imported State Water purchased and water quality samples are collected monthly for the duration of the discharge. The parameters for water quality are listed in Table 2. Storm water is monitored in a similar manner.

Pre-established surface water monitoring sites in the Beaumont, Yucaipa and San Timoteo Watershed are monitored bi-weekly for total discharge and field measurements (Table 2) consisting of temperature, pH, electrical conductivity, and dissolved oxygen content. Water quality samples are collected and analyzed for total inorganic nitrogen using ammonia, nitrate and nitrite as the dominant nitrogen species. Samples are also analyzed for total dissolved solids and turbidity. Additional alterations to current sites are provided in footnotes to Table 1.

Surface water monitoring in the San Timoteo Management Zone is performed on a bi-weekly schedule. Discharge and field measurements are taken at each location and a water quality sample is collected for analysis of the parameters listed in Table 2.

Table 1: Surface Water Monitoring Sites in Beaumont, San Timoteo, and Yucaipa Management Zones			
Site ID	Site Name	Discharge Description	Monitoring Agency
San Timoteo Management Zone			
YVWD-A	Above YVWD Recycled Water Discharge	San Timoteo Creek	YVWD
YVWD WWTP	YVWD Wastewater Treatment Facility	Recycled Water Effluent	YVWD
YVWD-B	Above confluence with Yucaipa Creek	San Timoteo Creek	YVWD
YVWD-C	Above levy system and concrete channel	San Timoteo Creek	YVWD
YVWD-D†	Concrete Channel at Barton Road	San Timoteo Creek	YVWD
YVWD-E	11055700 Gage	San Timoteo Creek	YVWD
YVWD-F	Santa Ana River above confluence	Santa Ana River	YVWD
YVWD-G	11059300 Gage, below confluence	Santa Ana River	YVWD
STWMA-2	San Timoteo Canyon Rd's 1st crossing w/ San Timoteo Creek	San Timoteo Creek & Ground water	Beaumont
Beaumont Management Zone			
BWWTP	Beaumont Wastewater TP #1	Recycled Water Effluent	Beaumont
STWMA-1*	Confluence of Noble and Marshal creeks	San Timoteo Creek	BCVWD
STWMA-3	Coopers Creek below BWWTP outfall	Coopers Creek	Beaumont
STWMA-4*	Above confluence w/ Noble Creek	Little San Gorgonio Creek	BCVWD
STWMA-5*	Above confluence w/ Marshal Creek at BCVWD recharge site	Noble Creek	BCVWD
STWMA-6/8	At Devil's Canyon	State Project Water	SGPWA
BMZ-5	Un-named creek behind Lowe's Distribution Center w/ mountain front runoff into BCVWD recharge facility	Un-named creek/stormwater runoff	BCVWD
STWMA-7	Oak Glen Road above entrance to BCVWD recharge facility	Stormwater/recharge	Beaumont
BMZ-6	At SGPWA recharge facility for State Project Water on Noble Creek	Noble Creek	BCVWD
BMZ-1	At Brookside Ave.	Mountain View Channel	BCVWD
BMZ-2	Stormwater detention pond @ Highland Springs & Eighth St	Stormwater/recharge	Beaumont
BMZ-3	Stormwater detention pond on Eighth St E/o Cherry Ave	Stormwater/recharge	Beaumont
BMZ-4	Where Smith Creek crosses Wilson St.	Smith Creek	Banning
Yucaipa Management Zone			
YMZ-1	Wilson and/or Oak Glen spreading basins	State Project Water for Groundwater recharge	YVWD
YMZ-2	Wilson and/or Oak Glen spreading basins	Stormwater runoff for Groundwater recharge	YVWD

*Previously monitored by City of Beaumont- BCVWD will assume responsibility pending approval by the Regional Board.

†Site has proven problematic for monitoring. Currently surface water entrance into concrete channel is covered with sediment. San Bernardino County Flood Control District estimates channel will be cleared by April 2012. Not recommending site for monitoring.

Table 2: Surface Water Monitoring Program Parameters		
Field Measurements	Bi-weekly water quality samples	Groundwater recharge
Temperature	Total Dissolved Solids (TDS)	Total Dissolved Solids (TDS)
Conductivity	Turbidity	Nitrate-Nitrogen
pH	Ammonia-Nitrogen	
Dissolved Oxygen	Nitrate-Nitrogen	
	Nitrite-Nitrogen	
	Total Inorganic Nitrogen (TIN)	

In addition to these surface sites, results from YVWD's Wochholz Regional Water Recycling Facility (WRWRF) and the City of Beaumont's WWTP no. 1 final effluent monitoring for monthly NPDES reporting and daily discharge are reported (Table 3).

Table 3: Wochholz Regional Water Recycling Facility and Beaumont Wastewater Treatment Plant parameters reported for surface water monitoring program			
Monthly WWTP reporting	Quarterly WWTP reporting		
Ammonia-Nitrogen	Arsenic	Barium	Boron
Nitrate-Nitrogen	Cadmium	Calcium	Cobalt
Nitrite-Nitrogen	Copper	Carbonate	Bicarbonate
Total Inorganic Nitrogen (TIN)	Lead	Chloride	Fluoride
12-month Average TIN	Iron	Mercury	Magnesium
Total Dissolved Solids (TDS)	Nickel	Manganese	Selenium
12-month Average TDS	Sodium	Silver	Sulfate
Total Hardness	Aluminum	Total Chromium	
Free Cyanide	Total Organic Carbon, TOC		Zinc
Total Suspended Solids (TSS)	Benzene	Dibromochloromethane	
Bis(2-ethylhexyl)phthalate	Bromodichloromethane		Chloroform

Groundwater Monitoring and Sampling in the Beaumont, San Timoteo and Yucaipa Management Zones

Ground water level measurements are taken monthly for all monitored wells in Beaumont, San Timoteo and Yucaipa Management Zones with one exception. It is not possible to measure ground water level at San Timoteo Management Zone GW-3, a privately owned well. Ground water levels are assumed to be similar to Yucaipa Valley Water District owned well, MW-3, located approximately 50 feet from GW-3. Yucaipa Valley Water District gathers data on ground water level and quality for those wells located within YMZ but not under its direct jurisdiction on an annual basis for inclusion in the annual RWQCB report.

Table 4: Groundwater Monitoring Sites in the San Timoteo Management Zone

Well ID	Description	Data type	Monitoring Agency
MW-1 (1221779)	San Timoteo Canyon Rd.	Level only	YVWD
MW-2 (1221780)	Alessandro St.	Level & Quality	YVWD
MW-3 (1221781)	Live Oak/San Timoteo Canyon	Level & Quality	YVWD
MW-4 (1221782)	above WWTP outfall pipe	Level & Quality	YVWD
MW-5A (1222103)	San Timoteo Canyon Rd.	Level & Quality	YVWD
MW-5B (1222104)	San Timoteo Canyon Rd.	Level & Quality	YVWD
MW-5C (1222105)	San Timoteo Canyon Rd.	Level & Quality	YVWD
GW-3 (1222106)	Live Oak/San Timoteo- Private well	Quality Only	YVWD
GL-8 (1201605)	San Timoteo Canyon Rd-orchard	Level only	YVWD
GL-6 (1003044)	O. Hudson property on Live Oak Canyon Rd	Level & Quality	YVWD
BH-9 (1220051)	1.25" pvc pipe-Live Oak Canyon	Level & Quality	YVWD
Heartland well (1208660)	Owned by City of Beaumont	Level & Quality	Beaumont
San Tim-1 (1222061)	Owned by City of Beaumont	Level & Quality	Beaumont
San Tim-2B/1 (1222079)	Owned by City of Beaumont	Level & Quality	Beaumont
San Tim-2B/2 (1222080)	Owned by City of Beaumont	Level & Quality	Beaumont
1207756	East Valley Golf Club: 335645117024201	Level only	Beaumont
Well 2 (1201582)	Fisherman's Retreat	Level & Quality	Beaumont
Well 1 (1003079)	Fisherman's Retreat	Quality Only	Beaumont
ONE (1003049)	El Casco Lake Ranch	Level & Quality	Beaumont
1003049 (1003048)	Chester Hildebrand property	Level only	Beaumont
BH-19 (1220052)	Metropolitan Water District well	Level & Quality	Beaumont
Well 1 (1201539)	MCM poultry	Level & Quality	Beaumont

Table 5: Ground Water Monitoring Program Sites in the Yucaipa Management Zone			
Site ID	Monitoring Entity	Site ID	Monitoring Entity
Pendleton	YVWD	WHWC 02A	Western Heights WC
Wilson B	YVWD	WHWC 03	Western Heights WC
YVWD 02	YVWD	WHWC 06B	Western Heights WC
YVWD 05	YVWD	WHWC 09	Western Heights WC
YVWD 06	YVWD	WHWC 10	Western Heights WC
YVWD 07	YVWD	WHWC 11	Western Heights WC
YVWD 10	YVWD	WHWC 12	Western Heights WC
YVWD 12	YVWD	WHWC 14	Western Heights WC
YVWD 13	YVWD	5th Ave 1	City of Redlands
YVWD 14	YVWD	CHICKNH4	City of Redlands
YVWD 16	YVWD	HOG CYN 2	City of Redlands
YVWD 18	YVWD	Redlands 10	City of Redlands
YVWD 24	YVWD	Redlands 11	City of Redlands
YVWD 25	YVWD	Redlands 12	City of Redlands
YVWD 26	YVWD	Redlands 13	City of Redlands
YVWD 27	YVWD	Redlands 14	City of Redlands
YVWD 27A	YVWD	Redlands 16	City of Redlands
YVWD 28	YVWD	Redlands 17	City of Redlands
YVWD 37	YVWD	Redlands 36	City of Redlands
YVWD 43	YVWD	Redland Hts	City of Redlands
YVWD 44	YVWD	Yucaipa Well	City of Redlands
YVWD 46	YVWD	Y-02	County of San Bernardino
YVWD 49	YVWD	Y-03	County of San Bernardino
YVWD 50	YVWD	Y-04	County of San Bernardino
YVWD 53	YVWD	Y-05	County of San Bernardino
YVWD 54	YVWD	Y-08	County of San Bernardino
YVWD 55	YVWD	Y-09A	County of San Bernardino
YVWD 56	YVWD	Y-09B	County of San Bernardino
GL-1	YVWD	Y-10A	County of San Bernardino
GL-2	YVWD	Y-10B	County of San Bernardino
GL-3	YVWD	Y-11A	County of San Bernardino
GL-4	YVWD	Y-11B	County of San Bernardino
GL-5	YVWD	Y-12	County of San Bernardino
		Y-13	County of San Bernardino
SMWC 01	South Mesa WC	Y-14	County of San Bernardino
SMWC 03	South Mesa WC	Y-15	County of San Bernardino
SMWC 05	South Mesa WC	Y-16	County of San Bernardino
SMWC 07	South Mesa WC	Y-17	County of San Bernardino
SMWC 09	South Mesa WC	Y-18	County of San Bernardino
SMWC 11	South Mesa WC	Y-19	County of San Bernardino
SMWC 12	South Mesa WC	Y-21	County of San Bernardino
SMWC 16	South Mesa WC	Y-22	County of San Bernardino

Table 6: Beaumont Management Zone Ground Water Monitoring Sites.		
Well ID	Description	Monitoring Entity
1	Beaumont Basin Well	BCVWD
3	Beaumont Basin Well	BCVWD
16	Beaumont Basin Well	BCVWD
21	Beaumont Basin Well	BCVWD
22	Beaumont Basin Well	BCVWD
23	Beaumont Basin Well	BCVWD
24	Beaumont Basin Well	BCVWD
25	Beaumont Basin Well	BCVWD
26	Beaumont Basin Well	BCVWD
29	Beaumont Basin Well	BCVWD
4A	Edgar Canyon Well	BCVWD
5	Edgar Canyon Well	BCVWD
6	Edgar Canyon Well	BCVWD
12	Edgar Canyon Well	BCVWD
19	Edgar Canyon Well	BCVWD
MW-1	BMZ Monitoring Well	BCVWD
MW-2	BMZ Monitoring Well	BCVWD
MW-3 Deep	BMZ Monitoring Well	BCVWD
MW-3 Shallow	BMZ Monitoring Well	BCVWD
MW-4 Deep	BMZ Monitoring Well	BCVWD
MW-4 Shallow	BMZ Monitoring Well	BCVWD
MW-5 Deep	BMZ Monitoring Well	BCVWD
MW-5 Shallow	BMZ Monitoring Well	BCVWD
Well 48	YVWD Production Well	YVWD
C2A	City of Banning Source Well	City of Banning
C3	City of Banning Source Well	City of Banning
M3	City of Banning Source Well	City of Banning

Ground water quality (Table 7) is measured annually in San Timoteo Management Zone and according to Title 22 of the California Code of Regulations cycle sampling schedule for production wells in the Yucaipa Management Zone.

Wells are sampled annually until 3 consecutive years of qualifying data are gathered. At which point water quality samples need only be collected on a triennial basis for participation in the recalculation of ambient ground water quality stipulated by the Santa Ana River Basin Plan (2004).

Recharge to Yucaipa Management Zone is either storm water or State Project water and is monitored for total recharge (volume), nitrate and total dissolved solids.

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	Total Hardness (includes Ca and Mg)	

Reporting Requirements

A summary of surface water monitoring activities within the San Timoteo Management Zone is provided to the Santa Ana Regional Water Quality Control Board quarterly. Ground water levels are measured on a monthly basis and reported annually along with ground water quality results.

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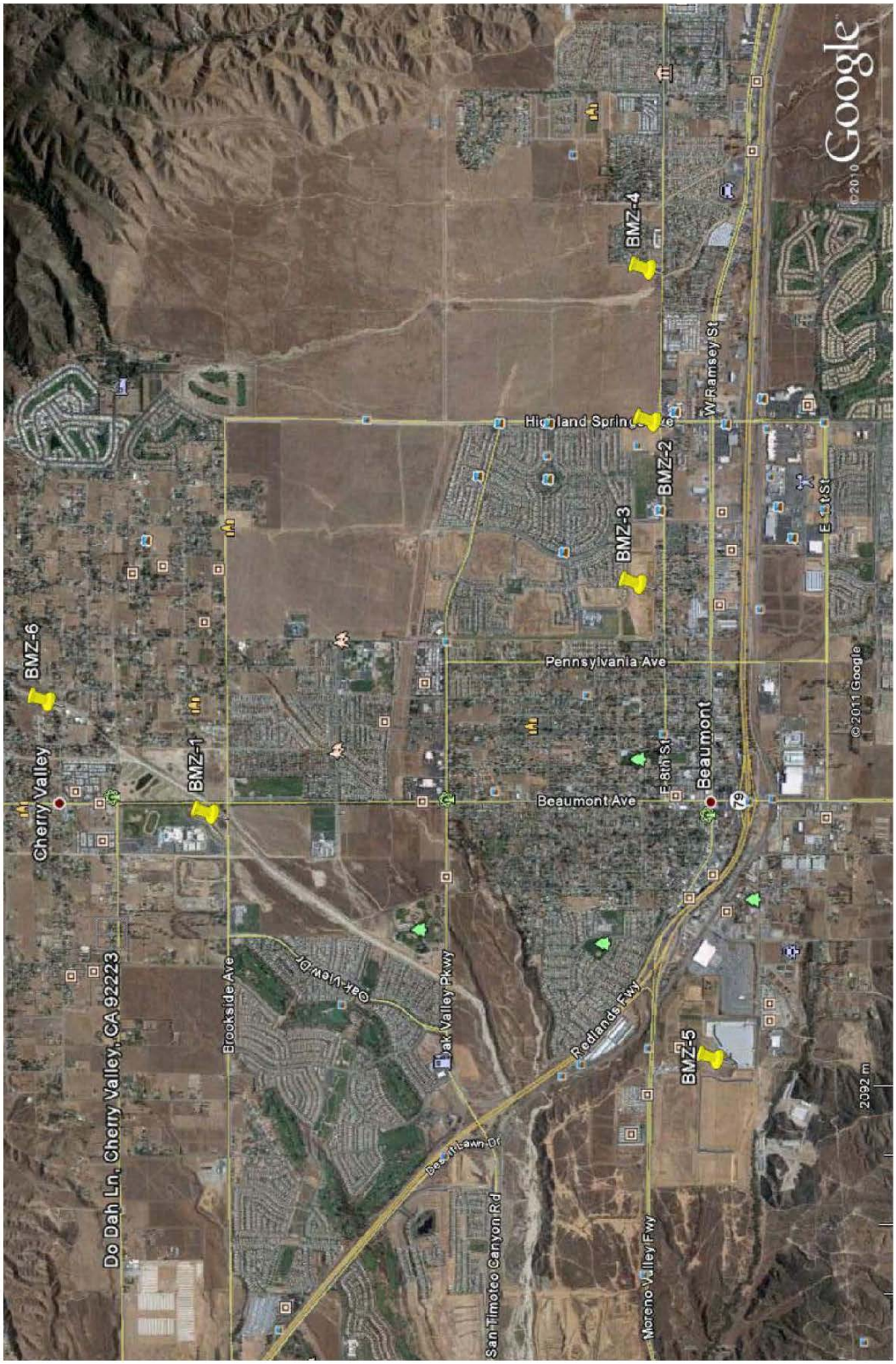
BMZ-4
BMZ-2
BMZ-3
BMZ-6
BMZ-1
BMZ-5
Cherry Valley
Beaumont
Beaumont Ave
Pennsylvania Ave
W Ramsey St
Highland Spring
E 8th St
Brookside Ave
Oak Valley Pkwy
Oak View Dr
Redlands Fwy
Do Dah Ln, Cherry Valley, CA 92223
San Timoteo Canyon Rd
Moreno Valley Fwy
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California Regional Water Quality Control Board
Santa Ana Region

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January 23, 2012

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COMMENTS ON THE PROPOSALS TO IMPLEMENT MAXIMUM BENEFIT COMMITMENTS FOR THE BEAUMONT GROUNDWATER MANAGEMENT ZONE

Gentlemen:

We have reviewed the *Proposed Regional Implementation of Maximum Benefit Commitments for the Beaumont Management Zone (Preliminary Draft)* submitted by the City of Banning, Beaumont Cherry Valley Water District, San Gorgonio Pass Water Agency and Yucaipa Valley Water District (hereinafter, the YVWD *et al* proposal) dated September 20, 2011, and the City of Beaumont's comment letter and proposal for a maximum benefit program (hereinafter, the Beaumont proposal) dated November 23, 2011. Both the YVWD *et al* and Beaumont proposals were prepared as a final element in compliance with the California Water Code Section 13267 Order issued in September 2010, to support permit application and revision for new discharge and recharge

projects in the Beaumont groundwater management zone (GMZ), and to address changes in stakeholder responsibilities for carrying out the maximum benefit commitments that were identified in the 2004 Basin Plan Amendment. Both the YVWD *et al* and Beaumont proposals were submitted after the completion of a modeling analysis conducted by Wildermuth Environmental Inc. on behalf of all the agencies named in this letter (May 2011). The model considered the new water planning data provided by the agencies to generate 30-year projections of the ambient total dissolved solids (TDS) and nitrate-nitrogen concentrations for the Beaumont GMZ under 6 scenarios and 8 sub-scenarios. The projections show that the ambient TDS concentration for the Beaumont GMZ will increase over time, with the worst-case scenario (when all agencies use recycled water without compliance with Basin Plan objectives or compliance with the recycled water recharge regulations by the California Department of Public Health) resulting in the TDS concentration exceeding the maximum benefit objective of 330 mg/L in approximately 2027. Under the best case scenario, *i.e.*, when recycled water is desalted to the maximum benefit TDS objective of 330 mg/L beginning in 2020, the ambient TDS concentration of the Beaumont GMZ is projected to exceed the objective in 2032.

We have the following comments on the submitted proposals:

The YVWD *et al* Proposal

The YVWD *et al* proposal consists of a regional approach with multi-agency participation. Specifically, the proposal recommends that the 10-year running average TDS quality of recycled water, used for irrigation, surface discharge or recharge (planned or incidental), be better than or at the maximum benefit objectives of the particular GMZ where the recycled water is used or applied, *i.e.,*

- 370 mg/L for Yucaipa GMZ,
- 400 mg/L for San Timoteo GMZ,
- 330 mg/L for Beaumont GMZ.

This proposal relies on the fact that the reverse osmosis system at the Wochholz Regional Water Recycling Facility will be operational in **January 2014**. Compliance would be measured in the recycled water system for irrigation use and/or at the point of discharge for discharge and recharge activities. The proposal proponents expect to achieve compliance by blending or desalting the recycled water supply.

All agencies that have signed onto the YVWD *et al* proposal (City of Banning, Beaumont Cherry Valley Water District, San Gorgonio Pass Water Agency and Yucaipa Valley Water District) have agreed to continue implementing the commitments made by the now dissolved San Timoteo Watershed Management Authority in order to maintain the maximum benefit objectives in the Beaumont GMZ. The commitments include surface and groundwater monitoring and reporting, building a desalter and brineline facility, providing recycled water for non-potable water supply, recharging recycled water and determining ambient groundwater quality. These commitments are the same as those

specified in the Basin Plan Table 5-10a; however, the YVWD *et al* proposal does not address the commitments specific to the City of Beaumont's recycled water as specified in Table 5-10a.

We believe the YVWD *et al* proposal is viable and provides reasonable assurance for protection of the water quality and beneficial uses of the Beaumont GMZ for a reasonable time period (*e.g.*, 20 years). We encourage all agencies that have signed on to this proposal to formalize the agreement and to submit a signed agreement to the Regional Board by June 30, 2012, demonstrating how these agencies intend to share the responsibility and financial burden to implement these commitments.

The Beaumont Proposal

As indicated in the Beaumont proposal, the City of Beaumont has complied with some of the maximum benefit commitments, such as surface and groundwater monitoring and reporting, ambient groundwater quality determination, denitrification facilities upgrade, and reducing the discharge of effluent to the unlined portion of San Timoteo Creek. However, the City of Beaumont has not made progress toward compliance with other commitments, such as providing water for non-potable water supply, increasing recycled water recharge and planning for recycled water quality improvement, nor does the Beaumont proposal include these commitments. The Beaumont proposal also includes a plan by the City to address the discharge of recycled water in San Timoteo Creek that impacts the underlying San Timoteo GMZ (which has no assimilative capacity) by pumping water from San Timoteo GMZ and discharging/recharging that water into the Beaumont GMZ without obtaining authorization from the Regional Board and the California Department of Public Health. The pumped water would have a TDS concentration that exceeds the maximum benefit objective of the Beaumont GMZ and the proposal thus relies on Beaumont's use of assimilative capacity in this GMZ based, evidently, on its implementation of maximum benefit commitments to date. However, the Regional Board has not made a decision regarding allocation of the available assimilative capacity in the Beaumont GMZ to this operation, and, as discussed below, Regional Board staff will not recommend it.

Significant opportunities have been provided over the past year for meaningful participation by the City in modeling work and discussions with the other parties regarding the development of a new maximum benefit program for the Beaumont GMZ. Board staff believes that the City has failed to avail itself of these opportunities. For example, the City did not provide meaningful comments on the modeling effort until the model report was finalized. Further, the City's representatives were not authorized to make decisions necessary to forward progress and resolution of this matter. The Beaumont proposal seems mainly to benefit the City of Beaumont, *i.e.*, to accommodate its discharge of effluent from the wastewater treatment plant, without other affirmative actions needed to address GMZ/water supply quality and reliability in the San Gorgonio Pass region. These actions include providing a source of non-potable supply and enhancing stormwater capture, neither of which is incorporated in the Beaumont proposal. (We realize that the proposal incorporates a plan for recycled water use that

relies on past agreements with other parties. However, we understand that the other parties contend that the terms of these agreements have not been satisfied.) On behalf of the City, Mark Wildermuth indicated at one of the multi-agency meetings that the City's discharge of water pumped from the San Timoteo GMZ into the Beaumont GMZ would reduce the City's obligation to import State Water Project water to address over-pumping in the Beaumont GMZ, and that this should be considered to provide maximum benefit to the people of the state. Once again, however, this proposal relies on the use of assimilative capacity which has not been allocated to the City. Furthermore, it ignores the model projections that show that even with recycled water at maximum benefit objective quality, the TDS quality of the GMZ is expected to exceed the objectives. In light of this evidence, we believe that the YVWD *et al* proposal, which employs desalting and blending, is a more prudent approach to the long-term protection of groundwater quality and supply reliability. In contrast, the City's proposal merely authorizes continued wastewater disposal and reduces the City's obligations related to over-pumping, but postpones any meaningful action to improve quality and reliability.

Regional Board staff believes that the Beaumont proposal does not satisfy the goals of a maximum benefit program and, absent substantive improvement, will recommend that the antidegradation objectives be applied to regulation of the City's discharges. In light of the City's participation in implementing some of the maximum benefit commitments to date, Board staff will not recommend that the City be required to mitigate past discharges in excess of limitations based on the antidegradation objectives. We strongly encourage the City of Beaumont to join with the other water resource management agencies to implement a truly regional water and salt management plan that recognizes recent water supply planning activities.

Comments on the Wasteload Allocation in the Beaumont GMZ

Table 5-5 of the Basin Plan specifies the TDS and nitrate-nitrogen wasteload allocation for all POTWs that discharge to the Santa Ana River and its tributaries in order to assure the protection of the municipal supply beneficial use for the Santa Ana River and underlying GMZs and to assure that the water quality objectives for these receiving waterbodies are met. Currently, the City of Beaumont is authorized to discharge to surface waters (Noble Creek (Discharge Point #008), unnamed tributary to Marsh Creek (Discharge Point #007) and Cooper's Creek (Discharge Point #001)) with effluent limits equal to the wasteload allocation (Orders No. R8-2009-0002 and No. R8-2006-0003). Cooper's Creek flows into San Timoteo Creek while the other tributaries are dry, and during most of the year, the effluent flows never reach San Timoteo Creek or leave the Beaumont GMZ. Instead, the recycled water discharged at Discharge Points #007 and #008 recharges the Beaumont GMZ and rarely reaches San Timoteo Creek or the Santa Ana River. Therefore, the available evidence indicates that for the discharges from the City of Beaumont, the TDS and TIN limits associated with the wasteload allocation should not apply, and the effluent limits for Discharge Points #007 and #008 should be revised to be the same as the TDS objective of the Beaumont GMZ. As noted above, because the City of Beaumont has not proposed an acceptable maximum benefit program nor chosen to be an active participant in the YVWD *et* al proposal,

Board staff will recommend to the Regional Board that the City's discharges be regulated pursuant to antidegradation objectives. Further, Regional Board staff is in the process of finalizing the wasteload allocation Basin Plan Amendment. Board staff proposes that Beaumont (as well as YVWD) be removed from the wasteload allocation and that instead, compliance and permit limits be based strictly on the underlying groundwater objectives and assimilative capacity findings.

To summarize, Board staff intends to prepare a Basin Plan amendment to implement the findings of the modeling studies and updated Maximum Benefit proposal as submitted by YVWD and cooperating agencies (the YVWD *et al* proposal). Revised waste discharge requirements for YVWD and the City of Banning will be developed that are consistent with the proposal. The recommended, revised wasteload allocation will also be updated to reflect these findings. Unless and until the City of Beaumont elects to implement or participate in an acceptable maximum benefit program, the proposed Basin Plan amendment will reflect the City's discharge obligations pursuant to antidegradation objectives, and Board staff will recommend waste discharge requirements for the City accordingly.

If you have questions on these comments, please feel free to contact me at (951)782-3286 or you may contact Dr. Cindy Li of my staff at (951) 782-4906.

Sincerely,

Kurt V. Berchtold
Executive Officer

cc: Regional Board
David Rice, Office of Chief Counsel, SWRCB

OPERATIONAL UPDATES

Yucaipa Valley Water District

Workshop Memorandum 12-052

Date: **March 13, 2012**

Subject: **Appurtenance Evaluation of Modular Backflow Assemblies**

The Yucaipa Valley Water District works closely with other regional water purveyors to review and evaluate new products and materials. Recently, the District has reviewed new plastic backflow assemblies that are easier to install and easier to repair.

At the board workshop, the District staff will provide a presentation on a new nylon composite backflow device that would be a major theft deterrent as the raw materials are useless to scrap yards when compared to expensive brass and copper.

DEVELOPMENT ISSUES

Yucaipa Valley Water District

Workshop Memorandum 12-053

Date: **March 13, 2012**

Subject: **Development Agreement for Tract No. 13375 Located on Oak Glen Road Approximately 1,500 Feet East of Fremont Street, Yucaipa**

At the board meeting held on March 7, 2012, the District staff presented the attached development agreement for consideration [Director Memorandum No. 12-020]. During the discussion of this item, the project owner provided a letter (see page 12 of 19) questioning the following issues: (1) the requirement to provide an easement for the infrastructure owned and operated by the District; and (2) the bonding requirements for the project.

Instead of taking action on the development agreement, the Board of Directors believed it would be prudent to discuss these issues in detail at a board workshop.

Agreement: 02-2012
Project File: P-65-67

AGREEMENT TO PROVIDE WATER AND SEWER SERVICE TO THE PRIVATE DEVELOPMENT OF TRACT NO. 13375 FOR THE PURPOSE OF INDIVIDUAL LOT SALES

This Agreement is made and effective on March 7, 2012, by and between the YUCAIPA VALLEY WATER DISTRICT, a public agency ("District") and Richard Siegmund, ("Developer"). Each is sometimes referred to herein as a "Party" and jointly as the "Parties".

Contact information for the parties is as follows:

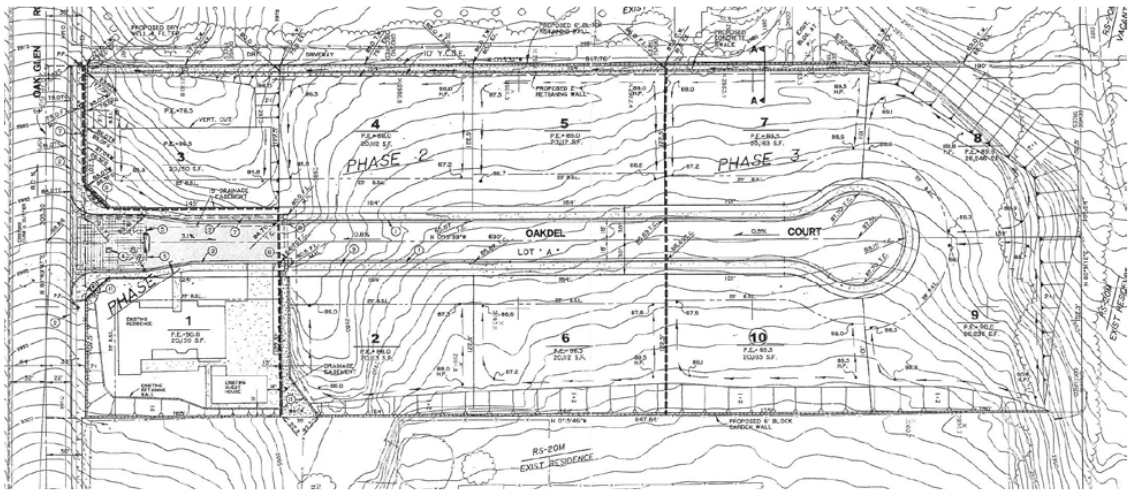
DISTRICT:
Yucaipa Valley Water District
12770 Second Street
Post Office Box 730
Yucaipa, California 92399-0730
Attn: Joseph B. Zoba, General Manager
Telephone: (909) 797-5119
Facsimile: (909) 797-6381

DEVELOPER:
Richard Siegmund
Post Office Box 968

Yucaipa, California 92399
Attn: Richard Siegmund
Telephone: (951) 538-1525
Facsimile: (951) _____

PROJECT DESCRIPTION

This project involves the development of nine residential lots; each lot is greater than 20,000 square feet in size as shown on the following map. Water and sewer infrastructure will be constructed by the Developer to provide service to each of the nine lots on Oakdel Court. The Parties agree that Tract No. 13375 will only be recorded following the issuance of a written release by the Yucaipa Valley Water District indicating the completion of all water and sewer facilities and payment of applicable fees as identified within this Agreement. Only after the Yucaipa Valley Water District approves and accepts all water and sewer infrastructure within the Project Tract No. 13375 and the Tract Map is recorded by the City of Yucaipa, will the Developer conduct a transaction with another party to sell part, portions or individual lots within this development.



RECITALS

WHEREAS, Developer desires to develop its property situated within the service area of the District as described above, herein referred to as the "Project"; and

WHEREAS, Developer proposes to develop the Property in the manner generally proposed and in accordance with the currently approved maps and construction drawings reviewed and approved by the Yucaipa Valley Water District; and

WHEREAS, Developer desires to obtain water (as used herein, "water" includes recycled water where applicable) and sewer service from the District for its development in accordance with the District's Rules, Regulations and Policies; and

WHEREAS, it is the purpose of this Agreement to set forth the terms and conditions by which the District will provide water and sewer service to the Project.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, the Developer and the District agree as follows:

1. General Description. The Developer proposes to develop its Property as provided on the development construction drawings as approved by the District which includes Facilities (the "Facilities") necessary for the District to provide drinking water, sewer service and recycled water to the Project, which Facilities are described in Section 19 below. Once constructed by the Developer and accepted by the District, title to the Facilities (and associated right-of-way) shall be conveyed by the Developer to the District, and the District shall operate and maintain the Facilities and shall provide water and sewer service to the Developer's Project in accordance with the District's rules and regulations and the provisions of this Agreement.

2. Licensed Professionals. All work, labor and services performed and provided in connection with the preparation of real property and right-of-way surveys and descriptions, the preparation of construction specifications, plans and drawings, and the construction of all facilities, shall be performed by, or under the direction of, professionals appropriately licensed by the State of California and in good standing.

3. Plan Acceptance. The District shall review and approve all construction drawings and specifications ("Plans") related to the construction of the facilities necessary to serve the Project. Upon its final review and approval of the plans, the District shall sign the construction drawings ("Plan Acceptance") indicating such approval. Plans are subject to an annual review by the District and modifications may be made by the District to conform to revised construction standards.

The Developer shall not permit, or suffer to permit, the construction of the Facilities without having first obtained Plan Acceptance. In the event the Developer fails or refuses to obtain the Plan Acceptance, the District may refuse, in its sole discretion and without liability to the Developer, to issue its Facility Acceptance when the Facilities are completed.

The Developer shall not deviate from any approved plans and/or specifications without the District's prior written approval.

4. **Construction of Facilities**. Prior to proceeding with the construction of the Facilities, the Developer shall schedule and conduct a preconstruction conference with the District's General Manager and the District Engineer and/or their designees or agents.

All construction work shall be inspected by District personnel and/or by District's consultants at the sole cost of the Developer. The Developer acknowledges that the inspector(s) shall have the authority to require that any and all unacceptable materials, workmanship, construction and/or installation not in conformance with either (i) the Plans subject to a Plan Acceptance, or (ii) standard practices, qualities and standards in the industry, as reasonably determined by the District, shall be replaced, repaired or corrected at Developer's sole cost and expense.

In the event the Developer's contractor proposes to work overtime and beyond normal business hours, the Developer shall obtain the District's approval at least 24 hours in advance to coordinate inspection services. The Developer shall be solely responsible for paying all costs and expenses associated with such inspection services.

5. **Facility Acceptance**. After the testing and disinfection required in Section 9 below, the District shall, upon request of Developer, cause the final inspection of a Facility which developer indicates is completed. If the District finds such Facilities to have been completed in conformance with the Plans for which a Plan Acceptance has been issued, then the District shall promptly issue to Developer a letter ("Facility Acceptance") indicating satisfactory completion of the Facility and District's acceptance thereof. Neither inspection nor issuance of the Facility Acceptance shall constitute a waiver by District of any claims it might have against Developer for any defects in the work performed, the materials provided, or the Facilities constructed.

6. **Construction of Connections to DISTRICT Facilities**. Unless otherwise agreed to in writing by the District, the District shall furnish all labor, materials and equipment necessary to construct and install connections between the Facilities and the District's drinking water, recycled water, and sewer systems. All costs and expenses associated therewith shall be paid by the Developer.

7. **Compliance with Law and DISTRICT Regulations**. The Developer hereby agrees that all Facilities shall be planned, designed and constructed in accordance with all applicable laws, rules, regulations and policies in effect at the time of construction. The Developer shall strictly comply with all applicable law, rules and regulations, concerning the provision of services, materials and the payment of wages. The Developer shall keep fully informed of and obey all laws, rules and regulations, and shall indemnify the District against any liability arising from Developer's violation of any such law, rule or regulation.

8. **Developer's Warranties**. The Developer shall unconditionally guaranty, for a period of one year following the District's Facility Acceptance thereof, any and all materials and workmanship, at the Developer's sole cost and expense. The provision of temporary water service through any of the Developer's Facilities, prior to District's acceptance of same, shall not nullify nor diminish the Developer's warranty obligation, nor shall the Developer's warranty obligation be voided if the District determines, in its sole discretion, to make any emergency repairs necessary to protect the public's health, safety or welfare or to ensure continuity of water or sewer service.

9. Testing and Disinfection. Prior to Facility Acceptance, the Developer, at its sole cost and expense, shall undertake and satisfactorily complete a testing program for all Facilities and shall disinfect all Facilities in accordance with the District's procedures and other applicable laws, rules and regulations.

10. Bond Requirements. The Developer shall provide to the District, in a form satisfactory to the District, the following bonds:

a. Warranty Bond. A warranty bond issued by a corporate surety or sureties licensed and permitted to do business by and within the State of California in an amount not less than one hundred percent (100%) of the total cost of any and all construction performed hereunder, insuring against any and all defects in the Facilities constructed hereunder, for a period of not less than one full year after the date of Facility Acceptance.

b. A Labor and Materials Payment Bond issued by a corporate surety or sureties licensed and permitted to do business by and within the State of California in an amount not less than one hundred percent (100%) of the total cost of any and all construction performed hereunder per California Civil Code Sections 3247 and 3248(a).

c. Miscellaneous Bond Requirements. All bonds required by this Section shall be provided to the District within sixty (60) days of the date that this Agreement was approved by the District's Board of Directors. All bonds required by this section are subject to the approval as to form and content by the General Manager and District's Legal Counsel. All bonds required by this section shall be provided by a surety that is an "admitted" surety insurer authorized to transact surety insurance in California, with assets exceeding its liabilities in the amount equal to or in excess of the amount of the bonds, and each bond shall not be in excess of ten percent (10%) of the surety insurer's assets. The bond shall be duly executed and shall meet all of the requirements of Section 995.660 of the Code of Civil Procedure.

11. Title to Facilities and Right-of-Way. Provided that the Developer's Facilities are designed and constructed as required hereunder and the District proposes to issue its Facility Acceptance, the Developer shall, concurrently with the District's Facility Acceptance, convey ownership title to all Facilities (and right-of-way, if applicable) to the District, free and clear of any and all liens and encumbrances except those that are expressly agreed to by the District. The District may require fee title or an easement, depending upon the location of the Facility through action by the Board of Directors. Upon conveyance of title, the District shall assume the responsibility of operating and maintaining the Facilities, subject to the Developer's warranty as provided herein. The Developer acknowledges and agrees that the District shall not be obligated to operate and maintain the Facilities and to provide service to and through them until all applicable conditions hereunder are satisfied and title to the Facilities has been conveyed and delivered to the District in recordable form.

12. Risk of Loss. Until such time as acceptance thereof by the District and until good and marketable title to the easements, rights-of-way and Facilities are conveyed and delivered to the District in recordable form, the Developer shall be solely and completely responsible for any and all losses and/or damage of every kind or nature to the easements, rights-of-way and Facilities.

13. Conditions Precedent to the Provision of Water and Sewer Service. Unless the District otherwise agrees in writing, the District shall not be obligated to provide any water and/or sewer service to the Developer's project or any part thereof, including model homes, until after all of the appropriate obligations imposed upon the Developer have been completed including, without limitation, conveyance to the District of the right-of-way and Facilities associated with the requested service. Upon acceptance of the right-of-way and the Facilities and upon such other terms and conditions as may be reasonable, the District shall provide the service requested and assume the responsibility for operating and maintaining the affected Facilities. Service provided by the District shall be in accordance with its rules and regulations and shall be comparable in quality of service to that provided all similarly situated customers.

14. Developer's Fees, Charges, Costs and Expenses. The Developer shall be solely responsible for the payment to the District of all fees, charges, costs and expenses related to the Facilities. The Developer shall deposit with the District, to be held in a trust account administered by the District, the sum of 10% of the construction costs as a deposit 30 days prior to the start of any construction at the Project.

The Developer acknowledges and hereby agrees that the District is authorized, from time-to-time, to reimburse itself from the funds on deposit. The District shall provide a monthly accounting of how funds were disbursed. The Developer further agrees to periodically and promptly replenish, upon a billing issued therefore by the District, the trust fund in order to maintain a minimum amount as specified by the District. Should any unexpended funds remain in the trust account upon termination of this Agreement, then such funds shall be reimbursed to the Developer.

16. Permits, Licenses and CEQA Documentation. The Developer shall be solely responsible for securing and paying for all permits and licenses necessary to develop its project. The Developer shall be solely responsible for complying with the California Environmental Quality Act under the auspices of the City and/or County within which the Project is situated. However, upon request, the Developer shall furnish to the District all relevant environmental documentation and information. The Developer, at its sole cost and expense, shall be solely responsible for defending against any and all legal challenges to the Developer's entitlements including permits, licenses and CEQA documents.

17. Indemnification and Hold Harmless. The Developer and the District agree that the District should, to the extent permitted by law, be fully protected from any loss, injury, damage, claim, lawsuit, cost, expense, attorneys' fees, litigation costs, defense costs, court costs or any other costs arising out of or in any way related to the performance by Developer of this Agreement. Accordingly, the provisions of this indemnity provision are intended by the parties to be interpreted and construed to provide the fullest protection possible to the District, except for liability attributable to the District's active negligence.

Developer acknowledges that the District would not enter into this Agreement in the absence of this commitment from the Developer to indemnify and protect the District as set forth here. Therefore, the Developer shall defend, indemnify and hold harmless the District, its employees, agents and officials, from any liability, claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, actual attorneys' fees incurred by the District, court costs, interest, defense costs including expert witness fees and any other costs or expenses of any kind whatsoever without restriction or limitation incurred in relation to, as a consequence of or arising out of or in any way attributable actually, allegedly or impliedly, in whole or in part in the

performance by Developer of this Agreement. All obligations under this provision are to be paid by the Developer as incurred by the District.

18. Insurance. The Developer agrees to provide insurance in accordance with the requirements set forth here throughout the term of this Agreement. If the Developer uses existing coverage to comply with these requirements and that coverage does not meet the requirements set forth herein, the Developer agrees to amend, supplement or endorse the existing coverage to do so. The following coverage's will be provided by the Developer and maintained on behalf of the District and in accordance with the requirements set forth herein.

a. Commercial General Liability Insurance (Primary) shall be provided on ISO-CGL Form No. CG 00 01 10 93. Policy limits shall be no less than $1,000,000 per occurrence for all coverages and $2,000,000 general aggregate. The District and its officials, employees and agents shall be added as additional insureds using ISO Form CG 20 10 10 93. Coverage shall apply on a primary non-contributing basis in relation to any other insurance or self-insurance, primary or excess, available to the District or any employee or agent of the District. Coverage shall not be limited to the vicarious liability or supervisory role of any additional insured. Coverage shall contain no contractors' limitation endorsement. There shall be no endorsement or modification limiting the scope of coverage for liability arising from explosion, collapse, or underground property damage.

b. Umbrella Liability Insurance (over Primary) shall apply to bodily injury/property damage, personal injury/advertising injury, at a minimum, and shall include a "drop down" provision providing primary coverage above a maximum $25,000 self-insured retention for liability not covered by primary policies but covered by the umbrella policy. Coverage shall be following form to any underlying coverage. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion and no contractor's limitation endorsement. Policy limits shall be not less than $2,000,000 per occurrence and in the aggregate, above any limits required in the underlying policies. The policy shall have starting and ending dates concurrent with the underlying coverages.

c. Workers' Compensation/Employer's Liability shall provide workers' compensation statutory benefits as required by law. Employer's liability limits shall be no less than $1,000,000 per accident or disease. Employer's liability coverage shall be scheduled under any umbrella policy described above. Unless otherwise agreed, this policy shall be endorsed to waive any right of subrogation as respects the District, its employees or agents.

d. The Developer and the District further agree as follows:

i. All insurance coverage provided pursuant to this Agreement shall not prohibit the Developer, and the Developer's employees or agents, from waiving the right of subrogation prior to a loss. The Developer waives its right of subrogation against the District.

ii. Unless otherwise approved by the District in writing, the Developer's insurance shall be written by insurers authorized to do business in the State of California and with a minimum "Best's" Insurance Guide rating of "A:VII". Self-insurance will not be considered to comply with these insurance specifications.

iii. The Developer agrees to provide evidence of the insurance required herein, satisfactory to the District, consisting of certificate(s) of insurance evidencing all of the coverages required and an additional insured endorsement to the Developer's general liability and umbrella liability policies. Certificate(s) are to reflect that the insurer will provide 30 days notice of any cancellation of coverage. The Developer agrees to require its insurer to modify such certificate(s) to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word "endeavor" with regard to any notice provisions. The Developer agrees to provide complete certified copies of policies to the District within 10 days of the District's request for such copies.

iv. In the event of any loss that is not insured due to the failure of the Developer to comply with these requirements, the Developer agrees to be responsible for any all losses, claims, suits, damages, defense obligations and liability of any kind attributed to the District, or the District's officials, employees and agents as a result of such failure.

v. The Developer agrees not to attempt to avoid its defense and indemnity obligations to the District and its employees, agents and officials by using as defense the Developer's statutory immunity under workers' compensation and similar statutes.

19 **Special Conditions**. The following conditions, being contained herein, will be required by the District in order to receive water, recycled water and sewer service for the Project.

a. Potable Water Related Facilities. An existing potable water pipeline currently exist within the southerly boundary of Tract No. 13375 and shall be extended north within the development to serve the individual lots pursuant to Yucaipa Valley Water District rules and regulations as well as all current applicable standards for dual plumbed homes and fire sprinkler service.

b. Sewer Related Facilities. An existing sewer mainline currently exists within the southerly boundary of Tract No. 13375 and shall be extended north within the development to serve the individual lots pursuant to Yucaipa Valley Water District rules and regulations.

c. Recycled Water Related Facilities. The existing home on Lot 1 and entrance feature for the development was constructed prior to the installation of any recycled water infrastructure. Due to the current progress of the development, a recycled water pipeline will not be required to be installed to provide service to lots within Tract No. 13375. However, Lots 2, 4, 5, 6, 7, 8, 9, and 10 will be required to have a second water meter for irrigation purposes and dedicated for the use of recycled water in the future. The recycled water meter shall be identified as such in accordance with local and state laws and connected to the potable water mainline until a recycled water pipeline is constructed within the Project in the future.

d. Individual Lot Sale Requirements. This project involves the development of nine residential lots (lots 2, 3, 4, 5, 6, 7, 8, 9, and 10), each lot being greater than 20,000 square feet in size. Water and sewer infrastructure will be constructed by the Developer

to provide service to each of the nine lots on Oakdel Court. The Parties agree that Tract No. 13375 will only be recorded by the City of Yucaipa following the issuance of a written release and approval by the Yucaipa Valley Water District indicating the completion of all water and sewer facilities and payment of applicable fees as identified within this Agreement. Only after the Yucaipa Valley Water District approves and accepts all water and sewer infrastructure within the Project Tract No. 13375 and the Tract Map is recorded by the City of Yucaipa, will the Developer conduct a transaction with a third party to sell part, portions or individual lots within this Project or obtain a building permit for the construction of a home on any lot identified in this Agreement.

e. Irrigation with Recycled Water. The Developer shall provide written notification to any buyer, with copies to the District, summarizing: (1) the securitization of water supplies in advance of construction pursuant to the District's latest sustainability requirements; (2) facility capacity charges required prior to building permits; and (3) the anticipated use of recycled water for irrigation purposes.

f. The Developer shall be responsible for the payment of all invoices related to the Project. Any outstanding invoice amount is required to be paid prior to starting service to any lot within the Project.

20. Term and Termination of Agreement. Unless extended by mutual agreement of the parties in writing, this Agreement shall terminate at 5:00 p.m., on the day before the sixth (6^{th}) anniversary date of this Agreement; provided, however, that this Agreement shall automatically terminate, without further liability to either party, as follows:

a. If the Project related trust account maintains a negative fund balance for greater than 60 days, or if the Developer fails or refuses to make a trust account deposit sufficient to cure a negative account balance;

b. Within 6 months of the effective date of this Agreement, if the initial construction contemplated hereunder has not commenced within such time;

c. Immediately, upon abandonment or bankruptcy by the Developer of the Project and/or the work hereunder;

d. Within 15 days of the date of the issuance of a Notice of Default by the District to the Developer in the event the Developer fails or refuses to perform, keep or observe any of the terms, conditions or covenants set forth in this Agreement.

Any termination of this Agreement shall not be construed as a waiver of any claim the District may have against the Developer or that the Developer may have against the District.

In the event of termination, and in order to counteract any threat to the public's health, safety or welfare, the District shall have the right, without liability to the Developer, to complete, at the Developer's non-reimbursable expense, all or a portion of the Facilities constructed pursuant to this Agreement.

Notwithstanding the foregoing, the Indemnification clauses contained herein shall survive the termination of this Agreement:

21. Status of the Parties. This Agreement is not intended to create, and nothing herein contained shall be construed to create, an association, a trust, a joint venture, a partnership or other entity of any kind, or to constitute either party as the agent, employee or partner of the other.

22. Amendment; Assignment.

a. Amendment. This Agreement may be amended, from time-to-time, by mutual agreement of the District and the Developer, in writing signed by both parties. The District and the Developer further agree that to the extent this Agreement does not address all aspects of the Project, the Parties shall meet, confer and negotiate in good faith, and execute a written amendment or supplement to this Agreement.

b. Assignment. This Agreement shall not be assigned, whether in whole or in part, by the Developer without the prior written consent of the DISTRICT.

23. Force Majeure. If either the District or the Developer is delayed, hindered or prevented from performing any term of this Agreement by any cause beyond either party's control including, without limitation, any strike, walkout, prohibitions imposed by law, rules or regulations, riot, war, act of God or the default of the other party, then such performance may be excused or the time of performance tolled during the period of delay.

24. Incorporation of Prior Agreements. This Agreement contains all of the agreements of the parties with respect to any matter covered or mentioned in this Agreement, and no prior agreement or understanding pertaining to any such matter shall be effective for any purpose.

25. Waiver. No waiver by either party of any provisions of this Agreement shall be deemed to be a waiver of any other provision hereof or of any subsequent breach by either party of the same or any other provisions.

26. Severance. If any provision of this Agreement is determined to be void by any court of competent jurisdiction then such determination shall not affect any other provision of this Agreement provided that the purpose of this Agreement is not frustrated.

27. District's Disclaimer. Utilizing fees and facilities provided to the District by the Developer, the District will supply potable water, recycled water, and wastewater collection and treatment services to the Developer's Property and development thereon. However, the District shall not be obligated to utilize public funds to subsidize the Developer's Project. The District shall not be obligated to provide water service to the Project prior to the purchase of sustainability sources in a manner consistent with the latest rules and regulations as set forth by the District.

28. Preparation of This Agreement. This Agreement shall not be construed against the party preparing it, but shall be construed as if both parties prepared it.

29. Dispute Resolution. Unless the parties enter into a written stipulation to the contrary, all disputes shall first be submitted to non-binding mediation, conducted by the Judicial Arbitration and Mediation Services, Inc./Endispute, or its successor, or any other neutral, impartial mediation service that the parties mutually agree upon in accordance with its rules for such mediation.

IN WITNESS WHEREOF, the parties have executed is Agreement to be effective on the day and year first above written.

YUCAIPA VALLEY WATER DISTRICT

Dated: _____ By: _____

_____
Print Name

_____
Print Title

DEVELOPER

Dated: _____ By: _____

_____
Print Name

_____
Print Title

SIGLAND & ASSOCIATES
SURVEYING & LAND DEVELOPMENT
CONSULTANT

For Mail
P.O. BOX 968
YUCAIPA, CA 92399

826 W. BROOKSIDE, STE. D
REDLANDS, CA 92373
951-538-1525

March 7, 2012

Board of Directors
Yucaipa Valley Water District
12770 Second Street
Yucaipa, CA 92399

Tract 13375, Oakdel Court
Development Agreement

I have reviewed the Developers Agreement as being presented today. I accept all of the terms of the agreement, accept the wording for an easement for your utilities and the requirement to bond for labor and materials.

The wording in items 1, 11, and 12 needs to change, to reflect the manner in which Yucaipa Valley Water District will be receiving an easement, for water and sewer. There will be no title document recorded to Yucaipa Valley Water District. The easement will be dedicated on the recorded Tract Maps for the three phases. Your agreement should read "Grant of easement as shown on recorded Tract 13375-1 and Tract 13375-2 and Tract 13375" in lieu of "title to" as written in the agreement.

I hereby request that Items 10 b. and 10 c. be deleted. I will be paying for labor and materials directly to our contractor. I will be receiving a lien release from both the material suppliers and releases from all the labor. It makes no sense for me to bond for what I have monies for and will be paying. Bonding costs from 3% to 4% of the bond amount. Sewer is estimated to be $46,000 and Water is estimated to be $60,000. I would therefore need to bond an amount of $106,000 at a cost of between $3,180 to $4,240 to insure that I would pay my Contractor. Your agency will not give me a final and provide a clearance to record the Tract Maps or provide Water and Sewer service until I provide clearances that labor and materials have been paid. What purpose do the bonds provide?

Richard P. Siegmund,

OWNER'S STATEMENT

WE HEREBY STATE WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SUBDIVIDED AS SHOWN ON THE ANNEXED MAP, AND WE CONSENT TO THE PREPARATION AND RECORDATION OF THIS FINAL MAP. WE HEREBY IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, THE PUBLIC IN GENERAL, AND TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES WHICH ARE AUTHORIZED TO SERVE IN SAID SUBDIVISION, AN EASEMENT FOR PUBLIC ROADS, CITY HIGHWAYS, AND PUBLIC UTILITY PURPOSES IN, UNDER, OVER, THROUGH, AND ACROSS, OAK GLEN ROAD, AS SHOWN ON THE ANNEXED MAP. THE EXPRESSED RIGHTS TO THE PUBLIC IN GENERAL, AND TO THE SEVERAL UTILITY COMPANIES SHALL BE AND SHALL REMAIN INFERIOR TO THE SUPERIOR RIGHTS OF THE CITY OF YUCAIPA.

WE ALSO IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, ALL RIGHTS OF VEHICULAR INGRESS TO AND EGRESS FROM LOT 1, OVER AND ACROSS THE SOUTHERLY LINE OF SAID LOT ABUTTING OAK GLEN ROAD.

WE HEREBY RESERVE TO OURSELVES, OUR HEIRS AND ASSIGNS, FOR THE USE AND BENIFIT OF INGRESS, EGRESS, PRIVATE ROADS AND UTILITIES, OVER, UNDER AND ACROSS LOT "A", AS DELINEATED ON SAID MAP.

TRUSTEES OF THE SIEGMUND TRUST DATED NOVEMBER 6, 2001

Richard P. Siegmund

RICHARD P. SIEGMUND
TRUSTEE

Pamela L Rieger-Siegmund

PAMELA L. RIEGER-SIEGMUND
TRUSTEE

IN THE CITY OF YUCAIPA

TRACT 13375-1

BEING A DIVISION OF THE WEST 1/2 OF LOT 20 AND THE WEST 1/2 OF THE SOUTH 220 FT. OF LOT 18, BLOCK "A" OF YUCAIPA VALLEY COLONY SUBDIVISION # 1, AS PER PLAT RECORDED IN MAP BOOK 16, PAGES 65 & 66 RECORDS OF SAN BERNARDINO COUNTY, STATE OF CALIFORNIA

SIGLAND & ASSOCIATES

APRIL 2007

OWNER'S STATEMENT

WE HEREBY STATE WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SUBDIVIDED AS SHOWN ON THE ANNEXED MAP, AND WE CONSENT TO THE PREPARATION AND RECORDATION OF THIS FINAL MAP. WE HEREBY IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, THE PUBLIC IN GENERAL, AND TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES WHICH ARE AUTHORIZED TO SERVE IN SAID SUBDIVISION, AN EASEMENT FOR PUBLIC ROADS, CITY HIGHWAYS, AND PUBLIC UTILITY PURPOSES IN, UNDER, OVER, THROUGH, AND ACROSS, OAK GLEN ROAD, AS SHOWN ON THE ANNEXED MAP. THE EXPRESSED RIGHTS TO THE PUBLIC IN GENERAL, AND TO THE SEVERAL UTILITY COMPANIES SHALL BE AND SHALL REMAIN INFERIOR TO THE SUPERIOR RIGHTS OF THE CITY OF YUCAIPA.

WE ALSO IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, ALL RIGHTS OF VEHICULAR INGRESS TO AND EGRESS FROM LOT 1, OVER AND ACROSS THE SOUTHERLY LINE OF SAID LOT ABUTTING OAK GLEN ROAD.

WE HEREBY RESERVE TO OURSELVES, OUR HEIRS AND ASSIGNS, FOR THE USE AND BENEFIT OF INGRESS, EGRESS, PRIVATE ROADS AND UTILITIES, OVER, UNDER AND ACROSS LOT "A", AS DELINEATED ON SAID MAP.

TRUSTEES OF THE SIEGMUND TRUST DATED NOVEMBER 6, 2001

Richard P. Siegmund — RICHARD P. SIEGMUND, TRUSTEE

Pamela L. Rieger-Siegmund — PAMELA L. RIEGER-SIEGMUND, TRUSTEE

BOARD OF SUPERVISORS CERTIFICATE

I HEREBY CERTIFY THAT A BOND IN THE SUM OF $ 2,400.00 HAS BEEN EXECUTED AND FILED WITH THE BOARD OF SUPERVISORS OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, CONDITIONED UPON THE PAYMENT OF ALL TAXES, STATE, COUNTY, MUNICIPAL, OR LOCAL, AND ALL SPECIAL ASSESSMENTS, COLLECTED AS TAXES, WHICH AT THE TIME OF THE FILING OF THE ANNEXED MAP WITH THE COUNTY RECORDER ARE A LIEN AGAINST SAID PROPERTY, BUT NOT YET PAYABLE AND THAT THE SUBDIVIDER HAS FILED WITH ME A CERTIFICATE BY THE PROPER OFFICER GIVING HIS ESTIMATE OF THE AMOUNT OF SAID TAXES AND SPECIAL ASSESSMENTS, AND SAID BOND IS HEREBY ACCEPTED.

DATED: 04/22/08

DENA M. SMITH,
CLERK OF THE BOARD OF SUPERVISORS
OF THE COUNTY OF SAN BERNARDINO

BY: Deni Mooney DEPUTY

AUDITOR'S CERTIFICATE

I HEREBY CERTIFY THAT ACCORDING TO THE RECORDS OF THIS OFFICE, AS OF THIS DATE, THERE ARE NO LIENS AGAINST THE REAL PROPERTY SHOWN UPON THE ANNEXED MAP FOR UNPAID STATE, COUNTY, MUNICIPAL, OR LOCAL TAXES OR SPECIAL ASSESSMENTS COLLECTED AS TAXES EXCEPT TAXES OR SPECIAL ASSESSMENTS NOT YET PAYABLE, ESTIMATED TO BE $ 2,400.00

DATED: 04/22/08

LARRY WALKER,
COUNTY AUDITOR / CONTROLLER - RECORDER,
COUNTY OF SAN BERNARDINO

BY: Deni Mooney DEPUTY

COUNTY SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS MAP AND HAVE FOUND THAT ALL MAPPING PROVISIONS OF THE SUBDIVISION MAP ACT HAVE BEEN COMPLIED WITH AND I AM SATISFIED SAID MAP IS TECHNICALLY CORRECT.

DATED: 04/23/08

MICHAEL W. RAIHLE, COUNTY SURVEYOR.
COUNTY OF SAN BERNARDINO

BY: _____, DEPUTY

L.S. NO. 8302 EXP. DATE: 12/31/09

PROFESSIONAL LAND SURVEYOR — RYAN S. HUNSICKER — PLS No. 8302 — Exp. 12-31-09 — STATE OF CALIFORNIA

CITY ENGINEER'S CERTIFICATE

I HEREBY STATE THAT I HAVE EXAMINED THE ANNEXED MAP AND THAT THE SUBDIVISION SHOWN IS SUBSTANTIALLY THE SAME AS IT APPEARED ON THE TENTATIVE MAP AND ANY APPROVED ALTERATIONS THEREOF, AND THAT ALL PROVISIONS OF THE SUBDIVISION MAP ACT AND THE CITY OF YUCAIPA SUBDIVISION ORDINANCES HAVE BEEN COMPLIED WITH.

DATED: 5/13/08

REGISTERED PROFESSIONAL ENGINEER — RAYMOND A. CASEY — No. 41880 — Exp. 3/31/10 — CIVIL — STATE OF CALIFORNIA

RAYMOND A. CASEY, CITY
ENGINEER, CITY OF YUCAIPA

R.C.E. NO. 41880
EXPIRATION DATE: 3/31/10

CITY COUNCIL'S STATEMENT

I HEREBY STATE THAT THE CITY COUNCIL OF THE CITY OF YUCAIPA DULY APPROVED THE ANNEXED MAP OF TRACT 13375-1 AND ACCEPTED OAK GLEN ROAD SUBJECT TO ITS IMPROVEMENT IN ACCORDANCE WITH CITY STANDARDS AND ALSO ACCEPTS THE ACCESS RIGHTS.

DATED: 5-13-08

BY: _____

JENNIFER SPANKLAND
DIRECTOR OF GENERAL SERVICES,
CITY CLERK, CITY OF YUCAIPA.

SURVEYOR'S STATEMENT

THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE AT THE REQUEST OF RICHARD P. SIEGMUND ON APRIL 1, 2007. I HEREBY STATE THAT ALL THE MONUMENTS ARE OF THE CHARACTER AND OCCUPY THE POSITIONS INDICATED OR THAT THEY WILL BE SET IN THOSE POSITIONS BEFORE MARCH 15, 2008 AND THAT THE MONUMENTS ARE, OR WILL BE, SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, AND THAT THIS FINAL MAP SUBSTANTIALLY CONFORMS TO THE CONDITIONALLY APPROVED TENTATIVE MAP.

REGISTERED LAND SURVEYOR — RICHARD PAUL SIEGMUND — No. 3490 — Exp. 6-30-08 — STATE OF CALIFORNIA

DATED: 3-01-08

Richard P. Siegmund
RICHARD P. SIEGMUND P.L.S. 3490

SIGNATURE OMISSIONS

THE SIGNATURES OF THE FOLLOWING PARTIES BEING THE OWNERS OF EASEMENTS FOR THE NATURE AS DENOTED BELOW AND DISCLOSED BY THOSE DOCUMENTS RECORDED IN PUBLIC RECORDS OF SAN BERNARDINO COUNTY, HAVE BEEN OMITTED UNDER THE PROVISIONS OF SECTION 66436 OF THE SUBDIVISION MAP ACT. THEIR INTEREST CANNOT RIPEN INTO A FEE.

1. SOUTH MOUNTAIN WATER COMPANY, A CORPORATION, THE OWNER OF AN EASEMENT FOR PIPELINES AND INCIDENTAL PURPOSES, PER DOCUMENT RECORDED JUNE 9, 1899, IN BOOK 266, PAGE 278 OF DEEDS. CANNOT BE LOCATED FROM PUBLIC RECORDS.
2. WILLIAM H. PATTON AND MARY J. PATTON, THE OWNER'S OF EASEMENT FOR PIPELINES AND INCIDENTAL PURPOSES, PER DOCUMENT RECORDED FEBRUARY 17, 1916, IN BOOK 583, PAGE 229 OF DEEDS. CANNOT BE LOCATED FROM PUBLIC RECORDS.
3. YUCAIPA WATER COMPANY No. 1 AND SECTION 30, MUTUAL WATER COMPANY, A CORPORATION, THE OWNER OF AN EASEMENT FOR PIPELINES AND WATER SYSTEM PER DOCUMENT RECORDED MAY 8, 1912 IN BOOK 505, PAGE 66, AND FEBRUARY 28, 1923, IN BOOK 782, PAGES 386 TO 389, INCLUSIVE, OF DEEDS. CANNOT BE LOCATED FROM PUBLIC RECORDS.

NOTARY ACKNOWLEDGEMENT

STATE OF CALIFORNIA
COUNTY OF San Bernardino
ON April 23, 2008 BEFORE ME, Kris Cordova Notary Public,
PERSONALLY APPEARED Richard P. Siegmund and Pamela L. Rieger-Siegmund,
WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE 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.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND AND OFFICIAL SEAL.

SIGNATURE: K Cordova Kris Cordova
PRINT NAME

MY COMMISSION EXPIRES: 7-28-2010 NOTARY COMMISSION # 1680889

MY PRINCIPAL PLACE OF BUSINESS IS IN San Bernardino COUNTY.

SAN BERNARDINO COUNTY RECORDER'S CERTIFICATE

THIS MAP HAS BEEN FILED UNDER DOCUMENT NUMBER 2008-0224475,
THIS 16TH DAY OF MAY, 20 08, AT 1:39 P.M. IN BOOK 332
OF TRACT MAPS AT PAGE 30-32, AT THE REQUEST
OF LAWYER'S TITLE,
IN THE AMOUNT OF $ 14.00

LARRY WALKER
COUNTY AUDITOR / CONTROLLER - RECORDER
COUNTY OF SAN BERNARDINO

BY: _____
DEPUTY RECORDER

J.N. 86-33

IN THE CITY OF YUCAIPA

TRACT 13375-1

BEING A SUBDIVISION OF THE WEST 1/2 OF LOT 20 AND THE WEST 1/2 OF THE SOUTH 220 FT. OF LOT 18, BLOCK "A" OF YUCAIPA VALLEY COLONY SUBDIVISION # 1, AS PER PLAT RECORDED IN MAP BOOK 16, PAGES 65 & 66 RECORDS OF SAN BERNARDINO COUNTY, STATE OF CALIFORNIA

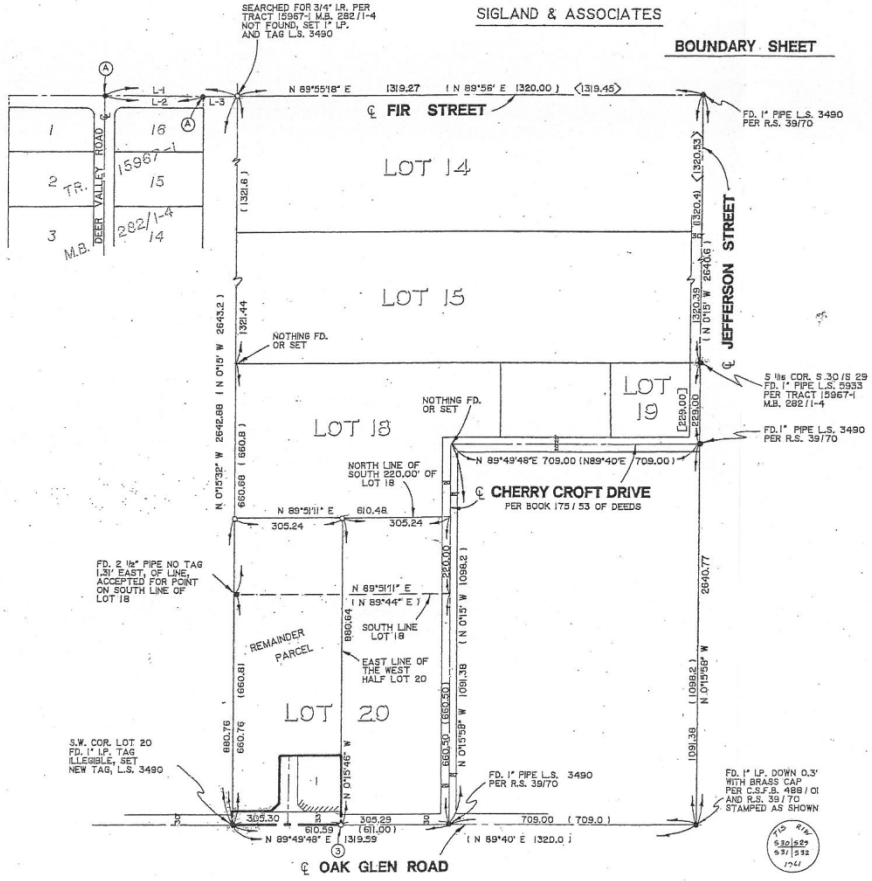
SIGLAND & ASSOCIATES

APRIL 2007

BOUNDARY SHEET

COMPOSITE DEVELOPMENT PLAN NOTE:

A COMPOSITE DEVELOPMENT PLAN (C.D.P.) AFFECTING THIS MAP IS ON FILE IN THE CITY OF YUCAIPA OFFICE OF PLANNING.



SCALE 1" = 200'

SURVEYOR'S NOTES:

1. THE BASIS OF BEARINGS FOR THIS MAP IS THE CENTERLINE OF OAK GLEN ROAD PER R.S. 39/70 BEING N 89°49'48" E.
2. ● INDICATES MONUMENT FOUND AS NOTED.
3. ⊙ INDICATES SET 1"× 18" PIPE TAGGED L.S. 3490, CENTERLINE MONUMENTS SET "A" BELOW FINISHED SURFACE.
4. ( ) INDICATES RECORD BEARING AND/OR DISTANCE PER M.B. 16/65-66, YUCAIPA VALLEY COLONY SUBDIVISION No.1.
5. SET NAIL & TAG L.S. 3490 ON TOP CURB ON PROLONGATION OF SIDE LOT LINES, IN LIEU OF FRONT LOT CORNERS.
6. Ⓟ INDICATES MONUMENT TIED OUT AS SHOWN ON SCHEDULE OF TIES. SCHEDULE OF TIES WILL BE FILED IN THE OFFICE OF THE CITY ENGINEER.
7. ALL DISTANCES SHOWN HEREON ARE IN U.S. FEET.
8. 〈 〉 INDICATES RECORD BEARING AND/OR DISTANCE PER TRACT 15967-1, M.B. 282/1-4.
9. Ⓐ INDICATES FD. 1" I.P. TAGGED L.S. 5933 PER TRACT 15967-1 M.B. 282/1-4
10. [ ] INDICATES RECORD DATA PER R.S. 39/70.
11. //// INDICATES NON-VEHICULAR ACCESS.
12. ( ) INDICATES RECORD DATA PER DOCUMENT #2006-0573041.

LINE DATA

L #	BEARING	DIST.	BEARING	DIST.
L-1	N 89°55'18"E	377.20	〈N 89°55'18"E〉	〈377.18〉
L-2	N 89°55'18"E	282.64	〈N 89°55'18"E〉	〈282.62〉
L-3	N 89°55'18"E	94.56	〈N 89°55'18"E〉	〈94.56〉

IN THE CITY OF YUCAIPA

TRACT 13375-1

BEING A SUBDIVISION OF THE WEST 1/2 OF LOT 20 AND THE WEST 1/2 OF THE SOUTH 220 FT. OF LOT 18, BLOCK "A" OF YUCAIPA VALLEY COLONY SUBDIVISION # 1, AS PER PLAT RECORDED IN MAP BOOK 16, PAGES 65 & 66 RECORDS OF SAN BERNARDINO COUNTY, STATE OF CALIFORNIA

SIGLAND & ASSOCIATES

APRIL 2007

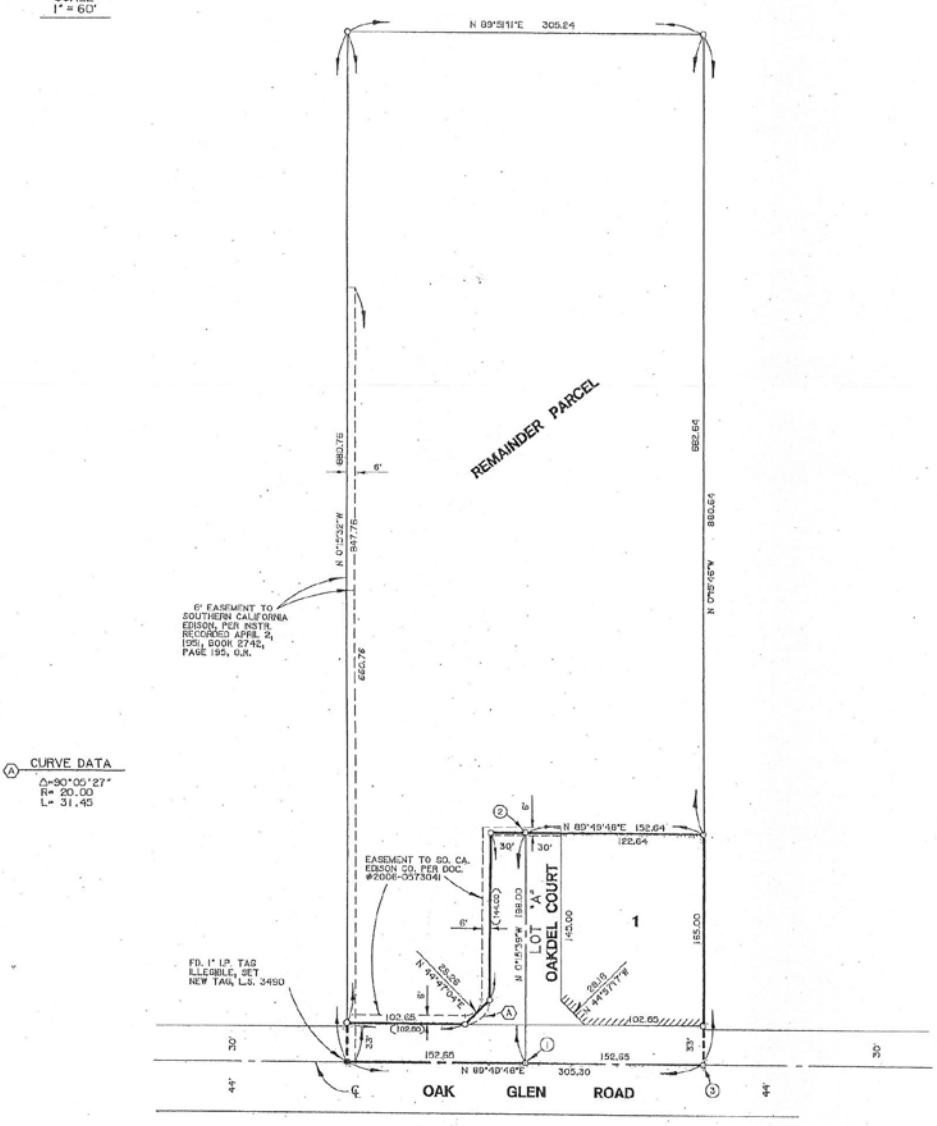
COMPOSITE DEVELOPMENT PLAN NOTE:

A COMPOSITE DEVELOPMENT PLAN (C.D.P.) AFFECTING THIS MAP IS ON FILE IN THE CITY OF YUCAIPA OFFICE OF PLANNING.

NOTE:

SEE SHEET 2 FOR BASIS OF BEARINGS AND SURVEYOR'S NOTES.

SCALE 1" = 60'



OWNER'S STATEMENT

WE HEREBY STATE WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SUBDIVIDED AS SHOWN ON THE ANNEXED MAP, AND WE CONSENT TO THE PREPARATION AND RECORDATION OF THIS TRACT MAP. WE HEREBY IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, THE PUBLIC IN GENERAL, AND TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES WHICH ARE AUTHORIZED TO SERVE IN SAID SUBDIVISION, AN EASEMENT FOR PUBLIC ROADS, COUNTY HIGHWAYS AND PUBLIC UTILITY PURPOSES, IN, UNDER, OVER, THROUGH, AND ACROSS GROVE DRIVE AS SHOWN ON THE ANNEXED MAP, THE EXPRESSED RIGHTS TO THE PUBLIC IN GENERAL, AND TO THE SEVERAL UTILITY COMPANIES SHALL BE AND SHALL REMAIN INFERIOR TO THE SUPERIOR RIGHTS OF THE CITY OF YUCAIPA. WE ALSO IRREVOCABLY OFFER TO DEDICATE TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES WHICH ARE AUTHORIZED TO SERVE IN SAID SUBDIVISION, AN EASEMENT FOR PUBLIC UTILITY PURPOSES, IN, UNDER, OVER, THROUGH, AND ACROSS THE WESTERLY SIX FEET OF LOTS 3 THROUGH 7 INCLUSIVE AS SHOWN ON THE ANNEXED MAP. WE ALSO IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, THE CITY OF YUCAIPA DRAINAGE EASEMENT AND A MULTI-PURPOSE TRAIL EASEMENT AS SHOWN ON THE ANNEXED MAP. WE HEREBY RESERVE TO OURSELVES, OUR HEIRS AND ASIGNS, AN EASEMENT OVER, UNDER, THROUGH AND ACROSS GROVE DRIVE AS SHOWN ON THE ANNEXED MAP, FOR INGRESS, EGRESS, ROADS, UTILITIES, LANDSCAPING, IRRIGATION AND INCIDENTALS.

R-S PROPERTIES, A GENERAL PARTNERSHIP

Pamela L Rieger
PAMELA L. RIEGER

Richard P. Siegmund
RICHARD P. SIEGMUND

D.L. WALKER SR. INC. A CALIFORNIA CORPORATION

Donald L. Walker Sr.
DONALD L. WALKER SR.

IN THE CITY OF YUCAIPA

TRACT 14311

BEING A SUBDIVISION OF PARCEL 2 AND A PORTION OF PARCEL 1, OF PARCEL MAP 3135, PER PLAT RECORDED IN BOOK 28, PAGE 12, OF PARCEL MAPS, RECORDS OF SAN BERNARDINO COUNTY, STATE OF CALIFORNIA.

SIGLAND & ASSOCIATES

AUGUST 1991

OWNER'S STATEMENT

WE HEREBY STATE WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SUBDIVIDED AS SHOWN ON THE ANNEXED MAP, AND WE CONSENT TO THE PREPARATION AND RECORDATION OF THIS TRACT MAP. WE HEREBY IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, THE PUBLIC IN GENERAL, AND TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES WHICH ARE AUTHORIZED TO SERVE IN SAID SUBDIVISION, AN EASEMENT FOR PUBLIC ROADS, COUNTY HIGHWAYS AND PUBLIC UTILITY PURPOSES, IN, UNDER, OVER, THROUGH, AND ACROSS GROVE DRIVE AS SHOWN ON THE ANNEXED MAP, THE EXPRESSED RIGHTS TO THE PUBLIC IN GENERAL AND TO THE SEVERAL UTILITY COMPANIES SHALL BE AND SHALL REMAIN INFERIOR TO THE SUPERIOR RIGHTS OF THE CITY OF YUCAIPA. WE ALSO IRREVOCABLY OFFER TO DEDICATE TO ANY OF THE SEVERAL PUBLIC UTILITY COMPANIES WHICH ARE AUTHORIZED TO SERVE IN SAID SUBDIVISION, AN EASEMENT FOR PUBLIC UTILITY PURPOSES, IN, UNDER, OVER, THROUGH, AND ACROSS THE WESTERLY SIX FEET OF LOTS 3 THROUGH 7 INCLUSIVE AS SHOWN ON THE ANNEXED MAP. WE ALSO IRREVOCABLY OFFER TO DEDICATE TO THE CITY OF YUCAIPA, THE CITY OF YUCAIPA DRAINAGE EASEMENT AND A MULTI-PURPOSE TRAIL EASEMENT AS SHOWN ON THE ANNEXED MAP. WE HEREBY RESERVE TO OURSELVES, OUR HEIRS AND ASSIGNS, AN EASEMENT OVER, UNDER, THROUGH AND ACROSS GROVE DRIVE AS SHOWN ON THE ANNEXED MAP, FOR INGRESS, EGRESS, ROADS, UTILITIES, LANDSCAPING, IRRIGATION AND INCIDENTALS.

R-S PROPERTIES, A GENERAL PARTNERSHIP

Pamela L. Rieger — Richard P. Siegmund

PAMELA L. RIEGER — RICHARD P. SIEGMUND

D.L. WALKER SR. INC. A CALIFORNIA CORPORATION

Donald L. Walker Sr.

DONALD L. WALKER SR.

NOTARY ACKNOWLEDGEMENT

STATE OF CALIFORNIA
COUNTY OF San Bernardino
ON 10-25-99 BEFORE ME, the Undersigned
PERSONALLY APPEARED Donald L. Walker Sr.,

~~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 Marilyn Stevens

NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE

MY COMMISSION EXPIRES 9.29.2000

BOARD OF SUPERVISOR'S CERTIFICATE

I HEREBY CERTIFY THAT A BOND IN THE SUM OF $ 1,200.00 HAS BEEN EXECUTED AND FILED WITH THE BOARD OF SUPERVISORS OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, CONDITIONED UPON THE PAYMENT OF ALL TAXES, STATE, COUNTY, MUNICIPAL, OR LOCAL, AND ALL SPECIAL ASSESSMENTS, COLLECTED AS TAXES, WHICH AT THE TIME OF THE FILING OF THE ANNEXED MAP WITH THE COUNTY RECORDER ARE A LIEN AGAINST SAID PROPERTY, BUT NOT YET PAYABLE AND THAT THE SUBDIVIDER HAS FILED WITH ME A CERTIFICATE BY THE PROPER OFFICER GIVING HIS ESTIMATE OF THE AMOUNT OF SAID TAXES AND ASSESSMENTS, AND SAID BOND IS HEREBY ACCEPTED.

DATED: 6/23/00

EARLENE SPROAT
CLERK OF THE BOARD OF SUPERVISORS
OF THE COUNTY OF SAN BERNARDINO

BY: Dawn A. Cote DEPUTY

COUNTY SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS MAP AND HAVE FOUND THAT ALL MAPPING PROVISIONS OF THE SUBDIVISION MAP ACT HAVE BEEN COMPLIED WITH AND I AM SATISFIED SAID MAP IS TECHNICALLY CORRECT RELATIVE TO THE FINAL MAP BOUNDARY AND ALL MATHEMATICAL COMPUTATIONS.

DATED: JUNE 8, 2000

KEN A. MILLER, COUNTY SURVEYOR,
COUNTY OF SAN BERNARDINO

BY: Richard Flores, DEPUTY

L.S. NO. 4480 EXP. DATE: 3-31-02

NOTARY ACKNOWLEDGEMENT

STATE OF CALIFORNIA
COUNTY OF San Bernardino
ON 10-25-99 BEFORE ME, the undersigned
PERSONALLY APPEARED Richard P. Siegmund & Pamela L. Rieger,

~~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 Marilyn Stevens

NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE

MY COMMISSION EXPIRES 9.29.2000

CITY ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS MAP AND HAVE FOUND IT TO BE SUBSTANTIALLY IN CONFORMANCE WITH THE TENTATIVE MAP, AS FILED WITH, AMENDED AND APPROVED BY THE CITY PLANNING COMMISSION THAT ALL PROVISIONS OF THE SUBDIVISION MAP ACT AND CITY SUBDIVISION REGULATIONS HAVE BEEN COMPLIED WITH AND THE MAP IS TECHNICALLY CORRECT IN ALL RESPECTS NOT CERTIFIED TO BY THE COUNTY SURVEYOR.

DATED: 7-6-00

REGISTERED PROFESSIONAL ENGINEER — PAUL T. NAGENGAST — 47647 — 12-31-03 — CIVIL — STATE OF CALIFORNIA

PAUL T. NAGENGAST, CITY ENGINEER, CITY OF YUCAIPA

Paul T. Nagengast

R.C.E. NO. 47647
EXPIRATION DATE: 12-31-03

CITY COUNCIL'S STATEMENT

I HEREBY STATE THAT THE CITY COUNCIL OF THE CITY OF YUCAIPA DULY APPROVED THE ANNEXED MAP OF TRACT 14311 AND ACCEPTED, GROVE DRIVE SUBJECT TO THEIR IMPROVEMENTS IN ACCORDANCE WITH APPLICABLE STANDARDS, BUT REJECTS THE CITY OF YUCAIPA DRAINAGE EASEMENT AND MULTI-PURPOSE TRAIL EASEMENT.

DATED: 6/27/00

BY: Vita Brown
JUANITA BROWN,
CITY CLERK, CITY OF YUCAIPA

AUDITOR'S CERTIFICATE

I HEREBY CERTIFY THAT ACCORDING TO THE RECORDS OF THIS OFFICE, AS OF THIS DATE, THERE ARE NO LIENS AGAINST THE REAL PROPERTY SHOWN UPON THE ANNEXED MAP FOR UNPAID STATE, COUNTY, MUNICIPAL, OR LOCAL TAXES OR SPECIAL ASSESSMENTS COLLECTED AS TAXES EXCEPT TAXES OR SPECIAL ASSESSMENTS NOT YET PAYABLE, ESTIMATED TO BE $ 1,200.00

DATED: 6/23/00

LARRY WALKER
COUNTY AUDITOR,
COUNTY OF SAN BERNARDINO

BY: Dawn A. Cote
DEPUTY

SURVEYOR'S STATEMENT

I, RICHARD P. SIEGMUND, HEREBY STATE THAT I AM A LICENSED LAND SURVEYOR OF THE STATE OF CALIFORNIA AND THAT THIS MAP CONSISTING OF 2 SHEETS IS A TRUE AND COMPLETE REPRESENTATION OF A SURVEY MADE UNDER MY SUPERVISION IN AUGUST 1991 AND THAT ALL THE MONUMENTS SHOWN HEREON ARE OF THE CHARACTER AND OCCUPY THE POSITIONS INDICATED, IN COMPLIANCE WITH SECTIONS 66495 AND 66496 OF THE SUBDIVISION MAP ACT AND ARE OR WILL BE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATED: June 7, 2000

RICHARD P. SIEGMUND L.S. 3490

LICENSED LAND SURVEYOR — RICHARD PAUL SIEGMUND — No. 3490 — Exp. 6-30-03 — STATE OF CALIFORNIA

SIGNATURE OMISSIONS

THE SIGNATURES OF THE FOLLOWING PARTIES BEING THE OWNERS OF EASEMENTS FOR THE NATURE AS DENOTED BELOW AND DISCLOSED BY THOSE DOCUMENTS RECORDED IN OFFICIAL RECORDS OF SAN BERNARDINO COUNTY, HAVE BEEN OMITTED UNDER THE PROVISIONS OF SECTION 66436 OF THE SUBDIVISION MAP ACT. THEIR INTEREST CANNOT RIPEN INTO A FEE.

1. F.P. DUNLAP & ISABEL DUNLAP, THE OWNERS OF AN EASEMENT FOR PIPELINES, PER DOCUMENT RECORDED APRIL 10, 1894, IN BOOK 193, PG.79 OF DEEDS. SAID EASEMENT CANNOT BE LOCATED OF RECORD
2. SOUTH MOUNTAIN WATER COMPANY, THE OWNER OF AN EASEMENT FOR PIPELINES, PER DOCUMENT RECORDED JUNE 9, 1899, IN BOOK 286, PG. 278 OF DEEDS. SAID EASEMENT CANNOT BE LOCATED OF RECORD.
3. SOUTH MOUNTAIN WATER COMPANY, THE OWNER OF AN EASEMENT FOR WATER PURPOSES, PER DOCUMENT RECORDED JUNE 1, 1918, IN BOOK 460, PG. 117 OF DEEDS. SAID EASEMENT CANNOT BE LOCATED OF RECORD.
4. TITLE INSURANCE AND TRUST COMPANY, THE OWNER OF AN EASEMENT FOR PIPELINES, PER DOCUMENT RECORDED JULY 10, 1912, IN BOOK 509, PG. 392 OF DEEDS AND PER DOCUMENT RECORDED MARCH 22, 1911, IN BOOK 470 PG. 297 OF DEEDS. SAID EASEMENT CANNOT BE LOCATED OF RECORD.
5. EXCEPT ALL PETROLEUM, COAL, OIL, NAPHTHA, NATURAL GAS AND OTHER HYDROCARBON AND LIKE SUBSTANCES, INCLUDING ASPHALTUM AND BREA, IN, UPON AND UNDER SAID LAND BUT WITHOUT THE RIGHT TO RE-ENTER OR USE THE SURFACE OF SAID LAND OR ANY PORTION OF THE SUBSURFACE THEREOF TO A DEPTH OF 500.00 FEET FROM THE PRESENT NATURAL SURFACE, AS RESERVED IN DEED RECORDED FEBRUARY 17, 1989, AS INSTRUMENT No. 89-057599, OFFICIAL RECORDS AND AS RESERVED IN THE DEED RECORDED MAY 6, 1975, IN BOOK 8672, PAGE 49, OFFICIAL RECORDS.

20000242077

FILED REQUEST OF
Commanwealth Title
ON July 7, 2000
AT 1:41 P.M. IN
BOOK 279 PAGE 19
OF Tract Maps
SAN BERNARDINO COUNTY RECORDER
FEE $ 10.00

IN THE CITY OF YUCAIPA

TRACT 14311

SHEET 2 OF 2 SHEETS

2791

BEING A SUBDIVISION OF PARCEL 2 AND A PORTION OF PARCEL 1, OF PARCEL MAP 3135, PER PLAT RECORDED IN BOOK 28, PAGE 12, OF PARCEL MAPS, RECORDS OF SAN BERNARDINO COUNTY, STATE OF CALIFORNIA.

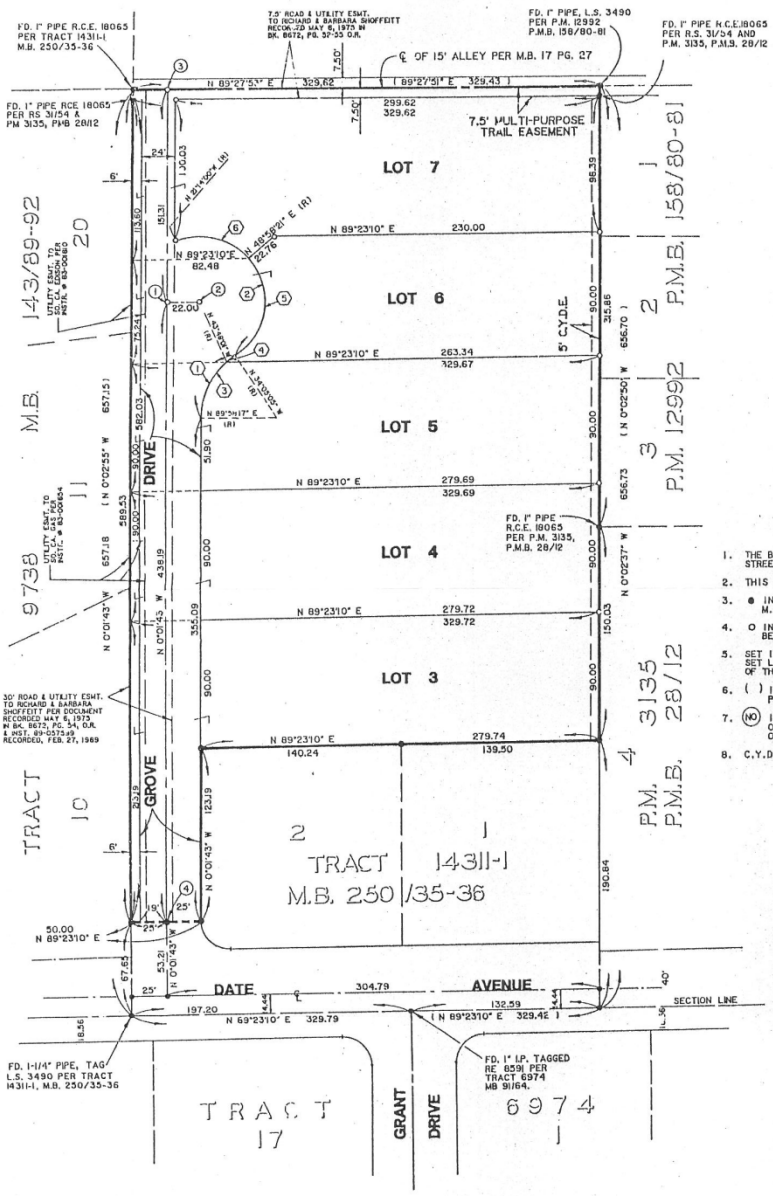
SIGLAND & ASSOCIATES

AUGUST 1991

COMPOSITE DEVELOPMENT PLAN NOTE:

1. A COMPOSITE DEVELOPMENT PLAN (C.D.P.) AFFECTING THIS MAP IS ON FILE IN THE CITY OF YUCAIPA OFFICE OF BUILDING AND SAFETY.

SCALE 1" =50'



GENERAL NOTES:

1. THE BASIS OF BEARING FOR THIS MAP IS THE CENTERLINE OF DATE STREET PER PARCEL MAP 3135 P.M.B. 28/12 BEING N 89°23'10" E.
2. THIS TRACT HAS 5 LOTS.
3. ● INDICATES FOUND 1" PIPE L.S. 3490 PER TRACT 14311-1 M.B. 250/35-36 UNLESS OTHERWISE NOTED.
4. O INDICATES SET 1" PIPE TAGGED L.S. 3490, ℄ MONUMENTS SET ¼" BELOW FINISH SURFACE.
5. SET 1" PIPE TAGGED L.S. 3490 ON ALL BACK LOT CORNERS. SET LEAD & TAG L.S. 3490 WITH NAIL IN CURB ON THE PROLONGATION OF THE SIDE LOT LINES IN LIEU OF FRONT CORNERS, AND CURVE POINTS.
6. ( ) INDICATES RECORD BEARING OR DISTANCE PER PARCEL MAP 3135, P.M.B. 28/12.
7. (NO) INDICATES MONUMENT TIED OUT AS SHOWN ON SCHEDULE OF TIES. SCHEDULE OF TIES WILL BE FILED IN THE OFFICE OF THE CITY ENGINEER.
8. C.Y.D.E. INDICATES CITY OF YUCAIPA DRAINAGE EASEMENT.

CURVE DATA

	Δ	R	L	T
①	55°56'38"	53.00	31.75	28.15
②	167°08'55"	47.00	137.11	
③	46°13'42"	53.00	42.76	22.62
④	9°42'56"	53.00	8.99	4.50
⑤	96°56'34"	47.00	79.52	53.07
⑥	70°12'21"	47.00	57.59	33.04

CAPITAL IMPROVEMENT PROJECTS

Yucaipa Valley Water District

Workshop Memorandum 12-054

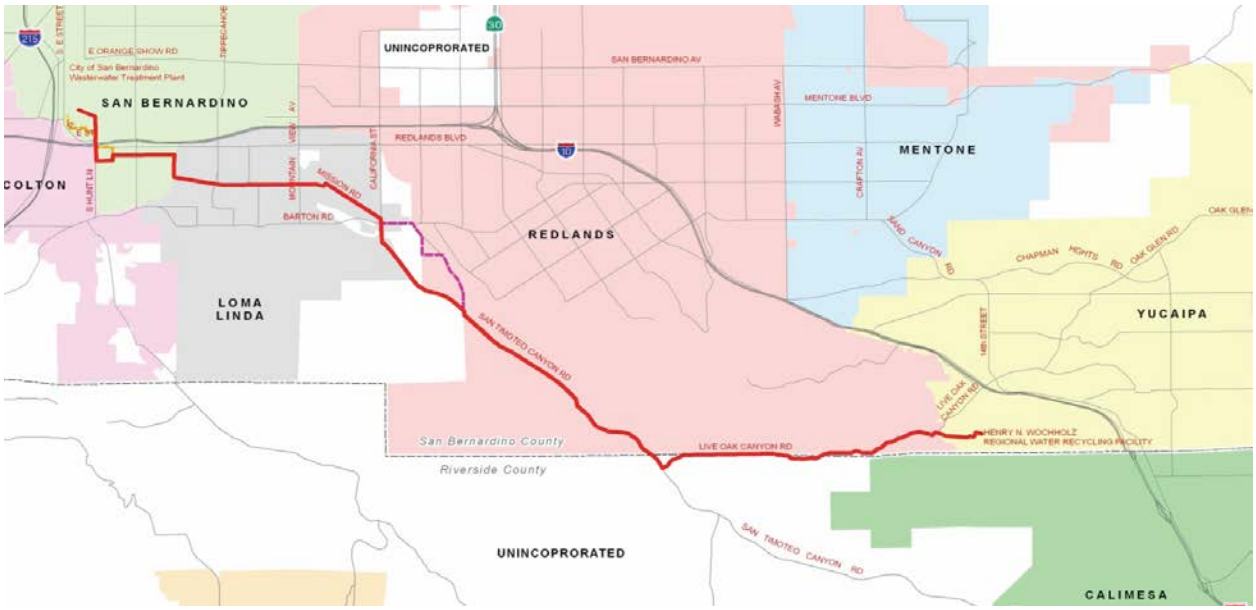
Date: **March 13, 2012**

Subject: **Status Report on the Construction of the Yucaipa Valley Regional Brineline**

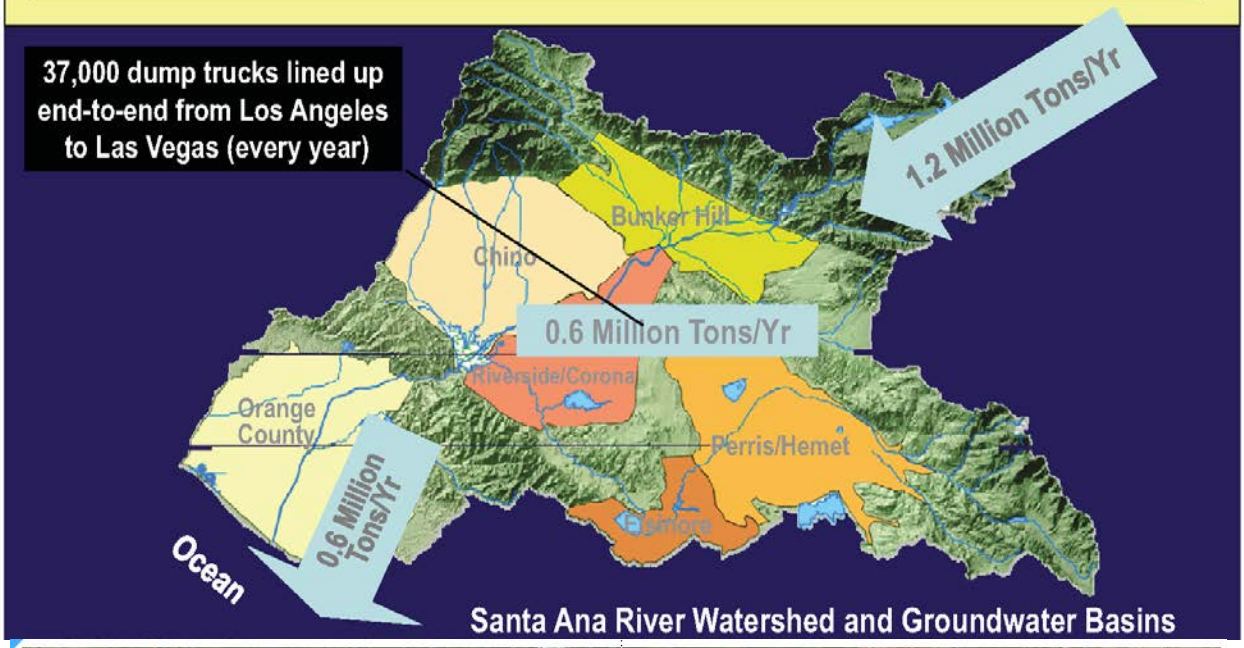
Yucaipa Valley Water District is in the process of constructing the Yucaipa Valley Regional Brineline in order to produce recycled water that complies with groundwater basin objectives as established by the Regional Water Quality Control Board. In order to comply with these limits, the District is required to add a reverse osmosis process to the wastewater treatment plant. This will enable the District to remove salts and minerals from depositing in to the groundwater basin. The proposed reverse osmosis system will produce salt water, referred to as "brine", that must be sent to the Pacific Ocean so it does not impact any fresh water supplies downstream of the Yucaipa Valley.

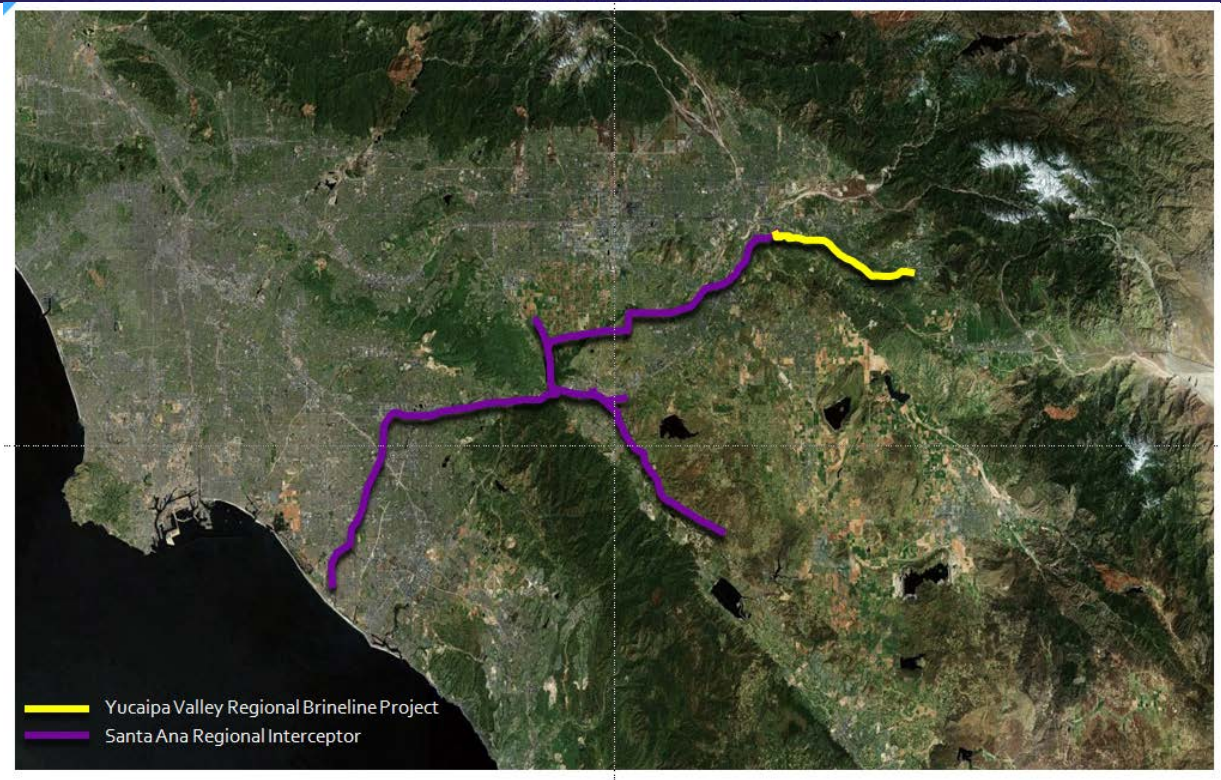
The Yucaipa Valley Regional Brineline Project consists of a 15-mile pipeline through which the District can safely and effectively dispose of the salt water produced. This pipeline will commence at the Wochholz Regional Water Recycling Facility and terminate at an existing brine disposal pipeline near the I-215 and I-10 Interchange. At this point the existing brineline extends another 73 miles traversing San Bernardino, Riverside and Orange counties to Orange County Sanitation District Wastewater Treatment Plant No. 2 in Huntington Beach, where the salt water is treated with domestic sewage and then sent to the ocean or reclaimed by Orange County Water District.

During this agenda item, the District staff will be providing an update of the construction status of the Yucaipa Valley Regional Brineline Project.

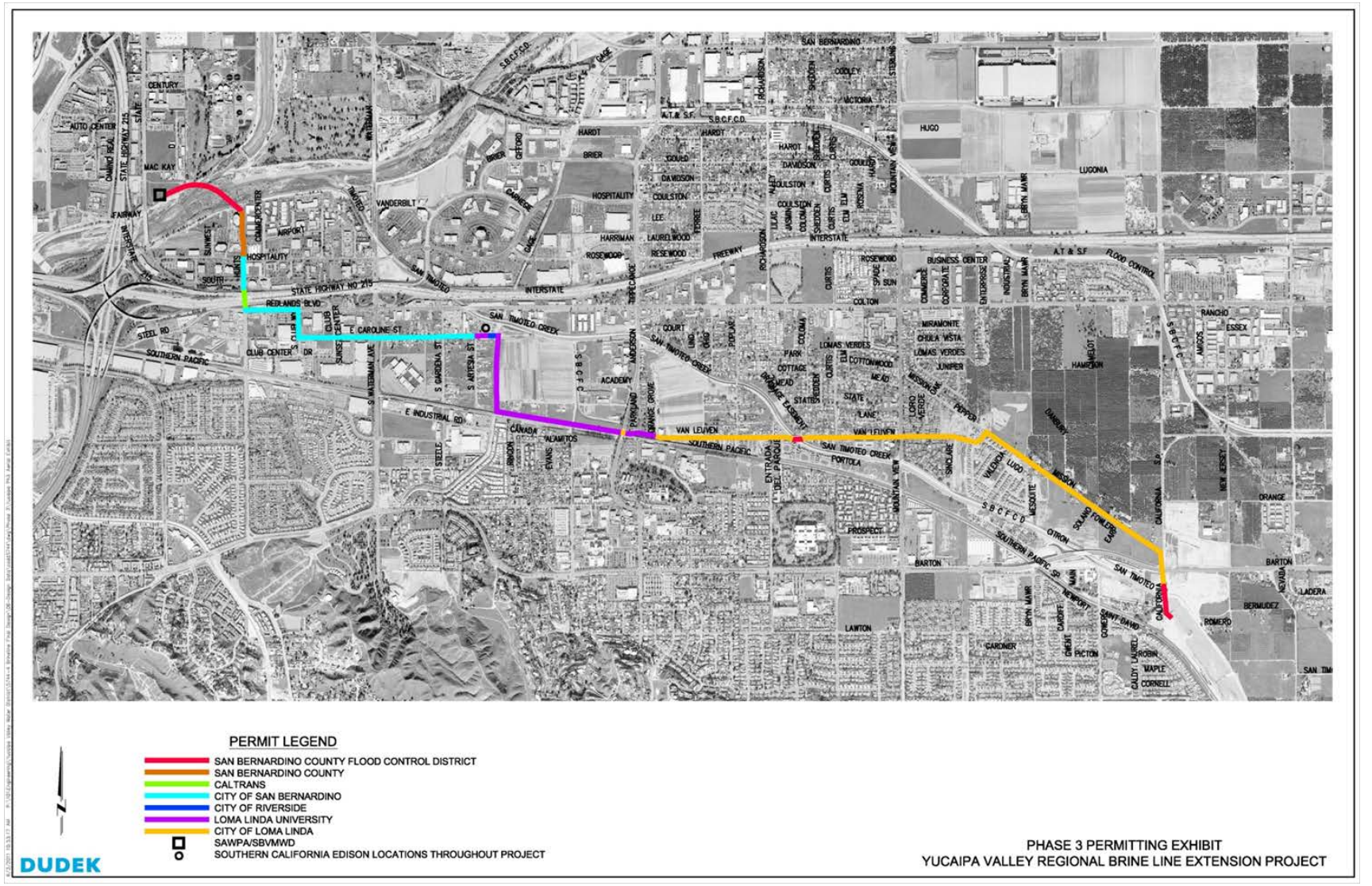


Watershed Salt Accumulation



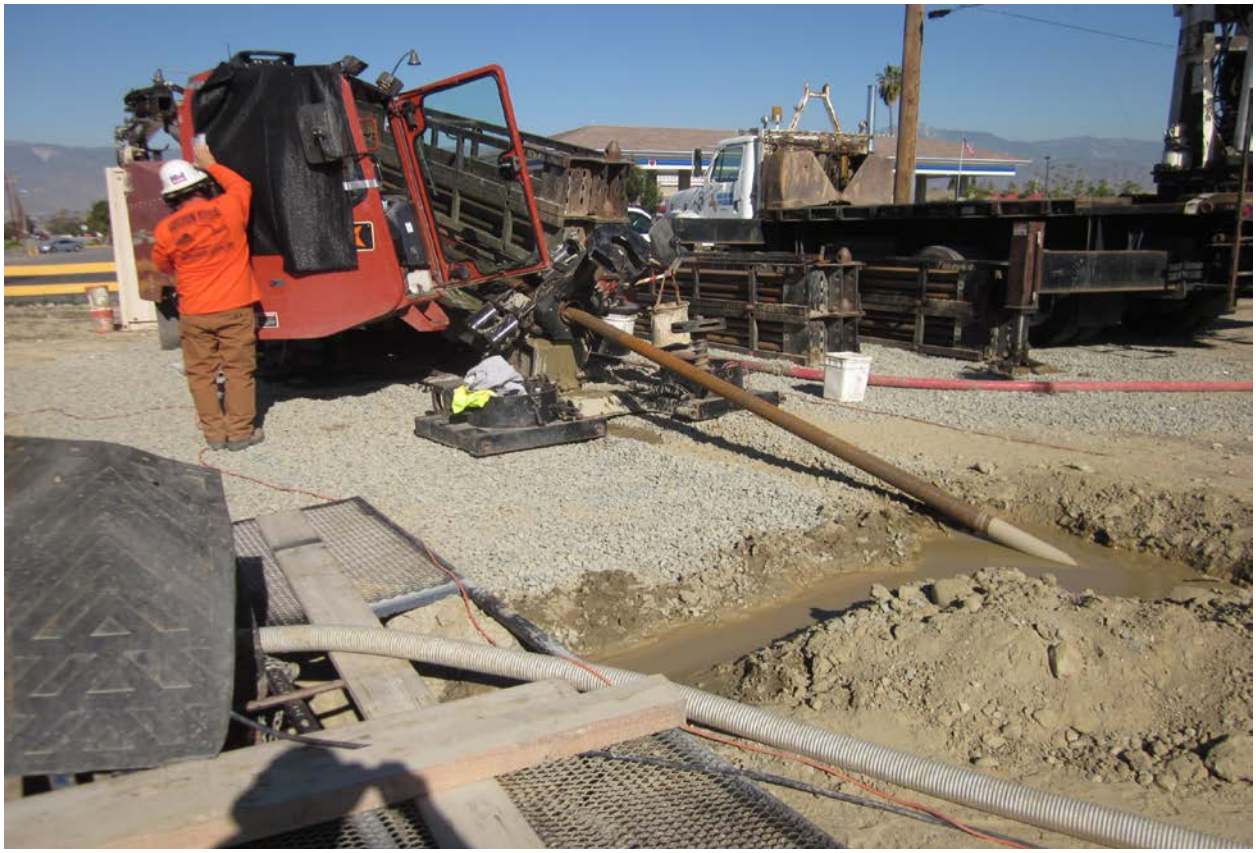


Yucaipa Valley Regional Water Supply Renewal Project


PERMIT LEGEND
SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
SAN BERNARDINO COUNTY
CALTRANS
CITY OF SAN BERNARDINO
CITY OF RIVERSIDE
LOMA LINDA UNIVERSITY
CITY OF LOMA LINDA
SAWPA/SBVMWD
SOUTHERN CALIFORNIA EDISON LOCATIONS THROUGHOUT PROJECT
N
DUDEK
PHASE 3 PERMITTING EXHIBIT
YUCAIPA VALLEY REGIONAL BRINE LINE EXTENSION PROJECT


COMPUTERS
ROYALE
TRUCK STOP


Hunts Ln
CAT



Yucaipa Valley Water District

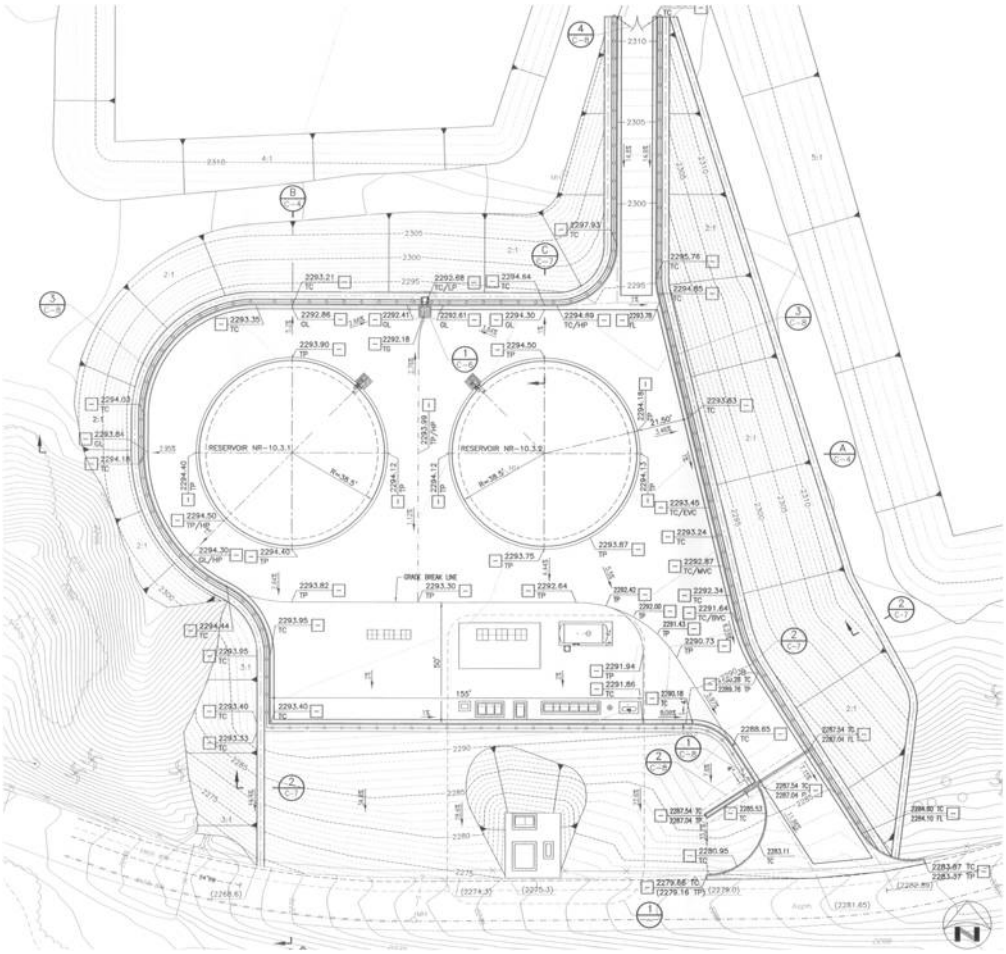
Workshop Memorandum 12-055

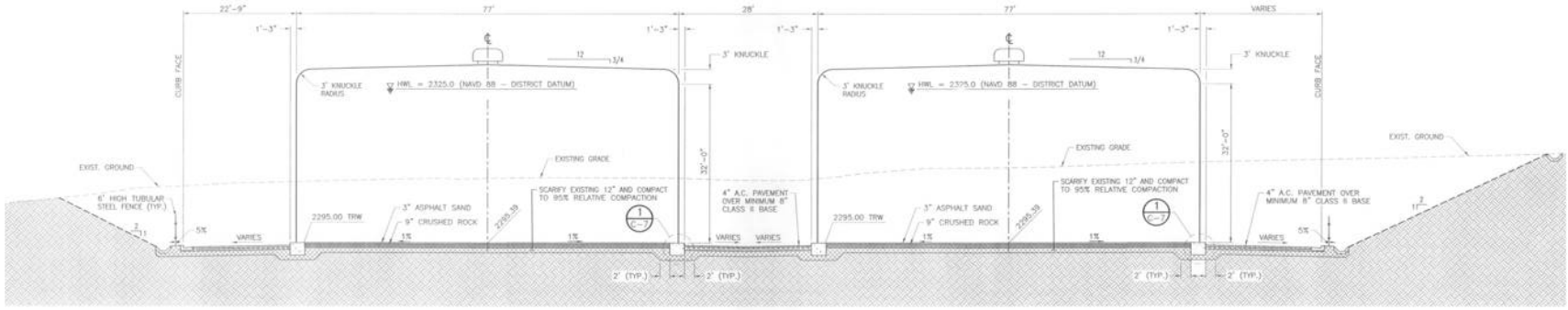
Date: **March 13, 2012**

Subject: **Status Report on the Construction of the R-10 Recycled Water Reservoir and Booster Complex**

Yucaipa Valley Water District is in the process of constructing several recycled water facilities to prepare the community for the next drought cycle. By connecting the available recycled water supply at the Wochholz Regional Water Recycling Facility to the existing recycled water system, the District will be able to immediately reduce our dependency on imported water by more than 1,000 acre feet per year. Overall, the aggressive use of recycled water is an important element in our water resource planning.

One of the projects planned for completion over the next year is the R-10 Reservoir Complex. This facility is located at the western end of County Line Road in the City of Calimesa. During this agenda item, the District staff will be providing an update of the status of this important project.

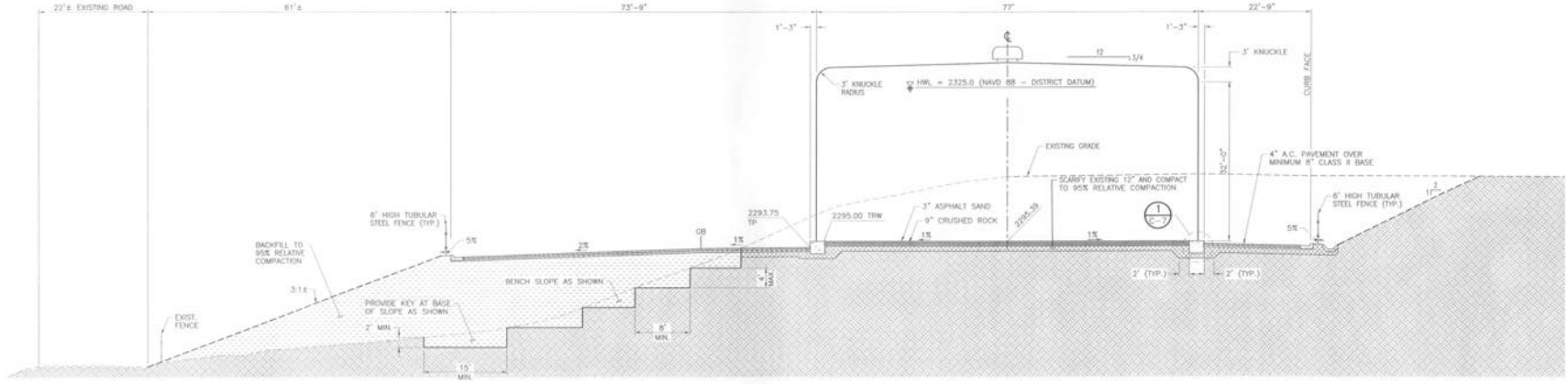




RESERVOIR SECTION

SCALE: 1"=10'

A
C-2



RESERVOIR SECTION

SCALE: 1"=10'

B
C-2

Yucaipa Valley Water District

Workshop Memorandum 12-056

Date: **March 13, 2012**

Subject: **Status Report on the Construction of the Crow Street Pipeline**

The Yucaipa Valley Water District is in the process of constructing several recycled water facilities to prepare the community for the next drought cycle. By connecting the available recycled water supply at the Wochholz Regional Water Recycling Facility to the existing recycled water system, the District will be able to immediately reduce our dependency on imported water by more than 1,000 acre feet per year. Overall, the aggressive use of recycled water is an important element in our water resource planning.

One of the projects planned for completion over the next year is the Crow Street Pipeline. During this agenda item, the District staff will be providing an update of the status of this important project.

Yucaipa Valley Water District

Workshop Memorandum 12-057

Date: **March 13, 2012**

Subject: **Status Report on the Construction of the Recycled Water Booster Facility at the Reservoir R-12.1 Complex**

The Yucaipa Valley Water District is in the process of constructing several recycled water facilities to prepare the community for the next drought cycle. By connecting the available recycled water supply at the Wochholz Regional Water Recycling Facility to the existing recycled water system, the District will be able to immediately reduce our dependency on imported water by more than 1,000 acre feet per year. Overall, the aggressive use of recycled water is an important element in our water resource planning.

One of the projects planned for completion over the next year is the Recycled Water Booster Facility located at the Reservoir R-12.1 Complex. During this agenda item, the District staff will be providing an update of the status of this important project.

Yucaipa Valley Water District

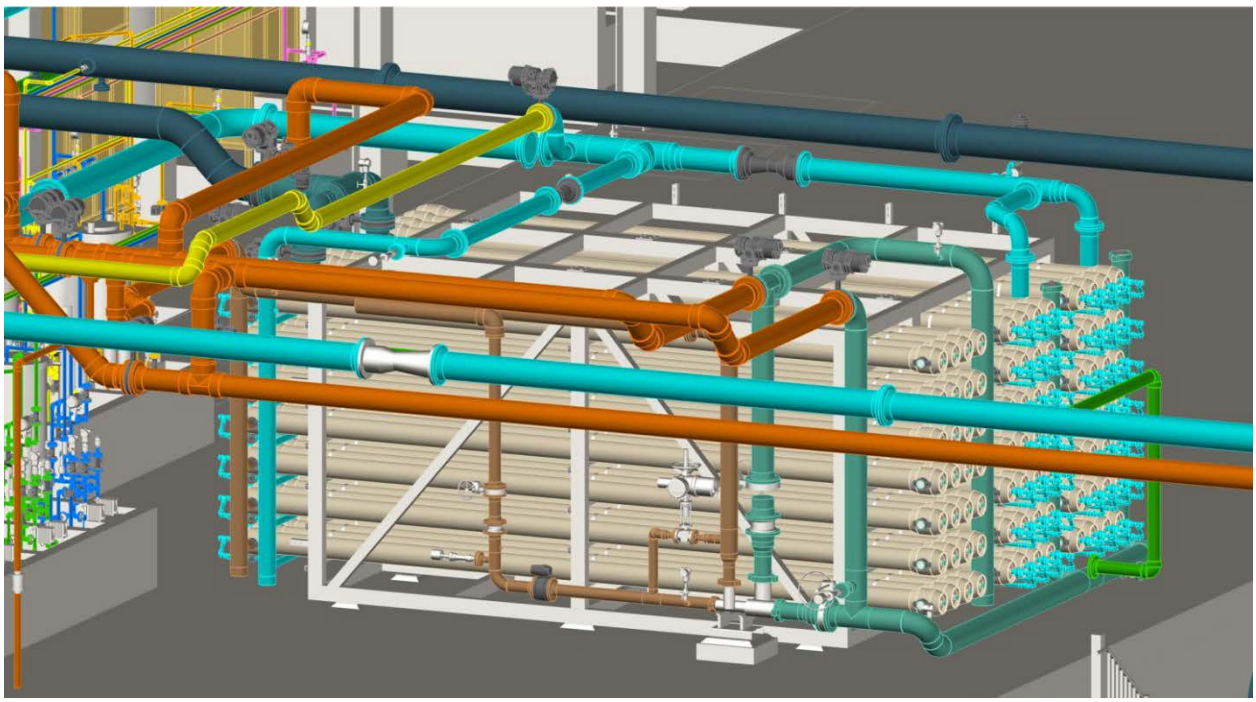
Workshop Memorandum 12-058

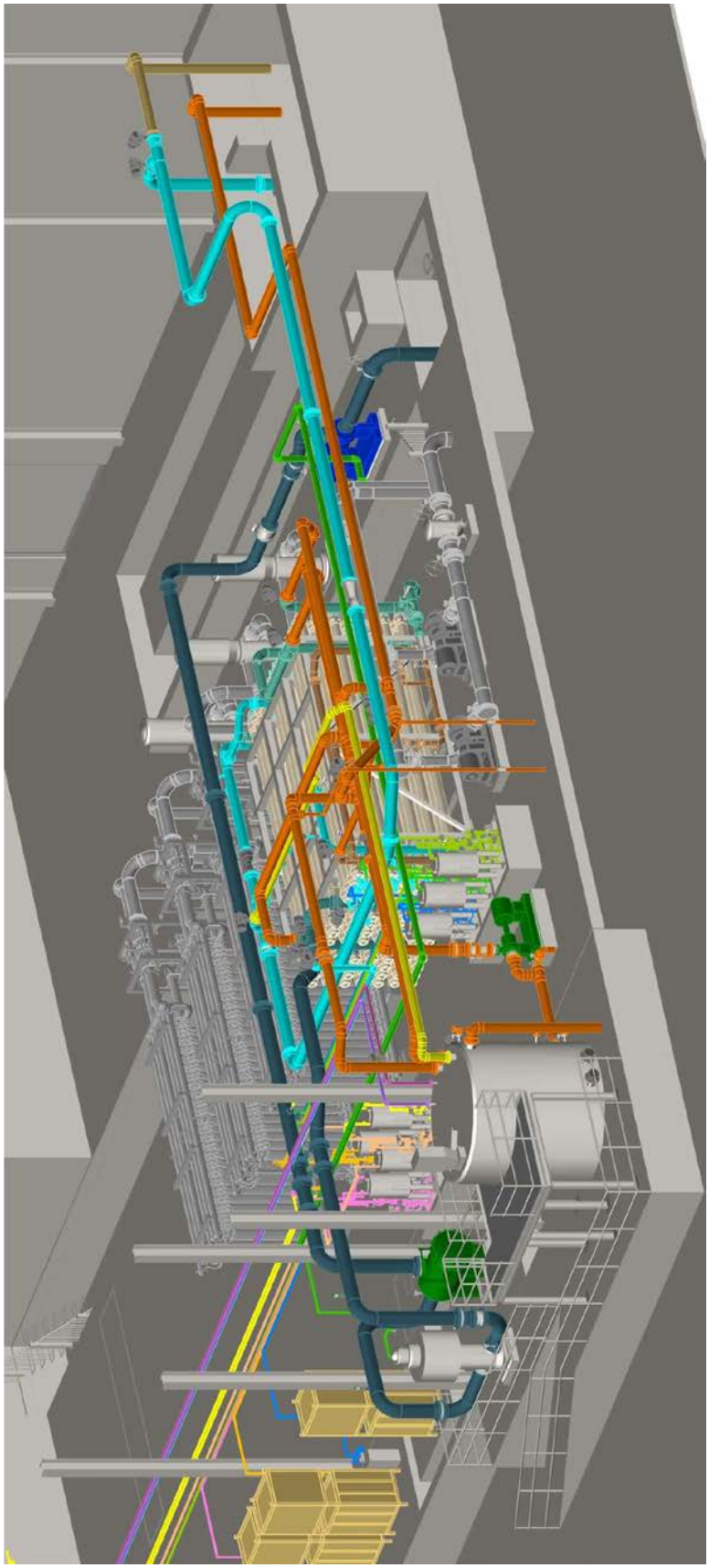
Date: **March 13, 2012**

Subject: **Status Report on the Construction of the Wochholz Improved Salinity Effluent (WISE) Project**

Yucaipa Valley Water District is in the process of constructing the Yucaipa Valley Regional Brineline in order to produce recycled water that complies with groundwater basin objectives as established by the Regional Water Quality Control Board. In order to comply with these limits, the District is required to add a reverse osmosis process to the wastewater treatment plant. This will enable the District to remove salts and minerals from depositing in to the groundwater basin. The proposed reverse osmosis system will produce salt water, referred to as "brine", that must be sent to the Pacific Ocean so it does not impact any fresh water supplies downstream of the Yucaipa Valley.

The first phase of the reverse osmosis equipment is being designed as part of the Wochholz Improved Salinity Effluent (WISE) Project. This project is currently scheduled for the completion of the construction phase by November 2012.





Yucaipa Valley Water District

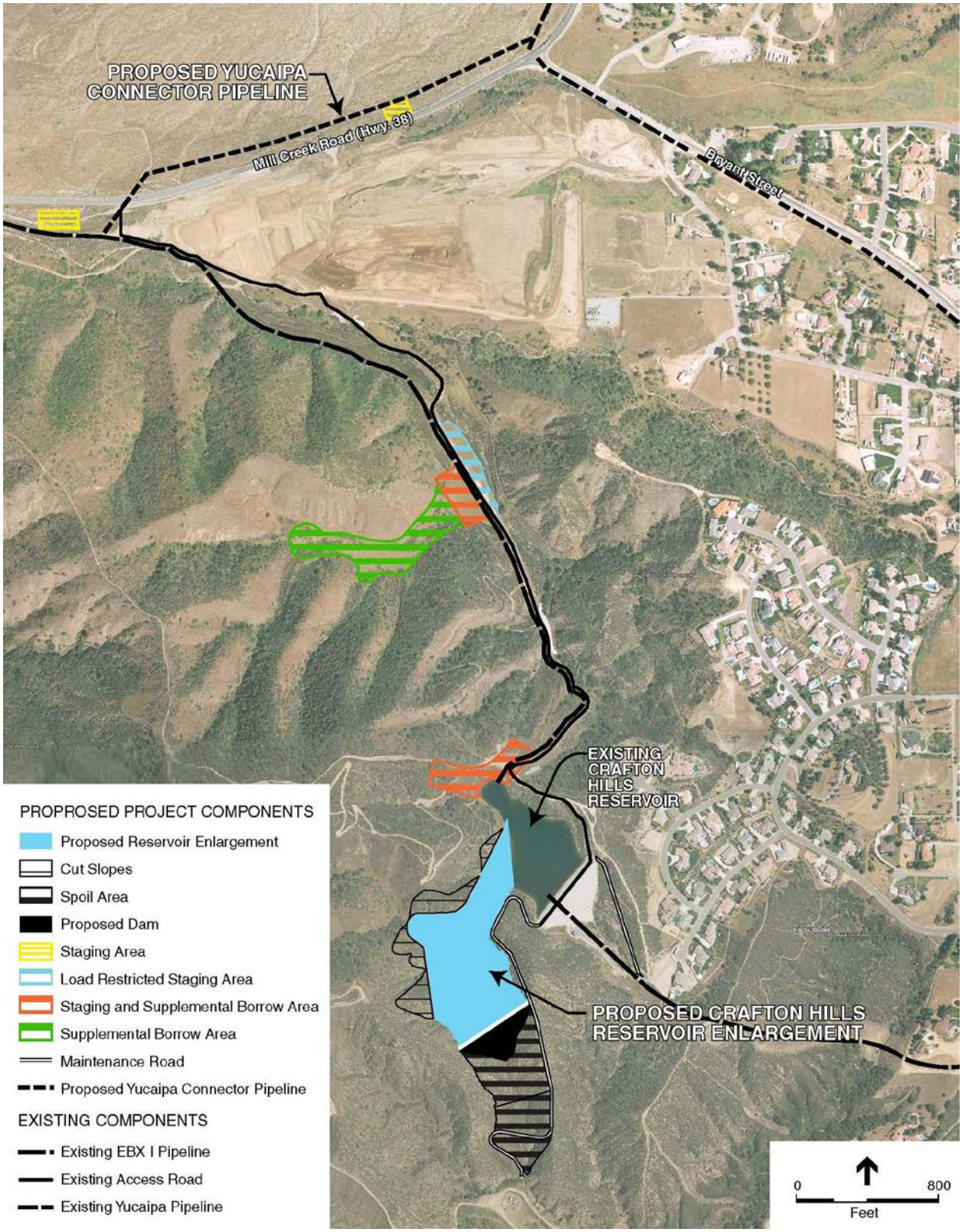
Workshop Memorandum 12-059

Date: **March 13, 2012**

Subject: **Status Report on the Construction of the Department of Water Resources Crafton Hills Reservoir Project**

The Crafton Hills Reservoir Enlargement Project will increase the operating storage capacity of the existing Crafton Hills Reservoir from 85 acre-feet to about 225 acre-feet. In addition to reducing on-peak energy demands, the additional storage will enhance the overall operational flexibility and reliability of imported water delivered to Yucaipa, Calimesa, Beaumont, Banning and Cabazon.

The purpose of this project is to provide an update on the construction activity by the California Department of Water Resources.


PROPOSED YUCAIPA CONNECTOR PIPELINE
Mill Creek Road (Hwy. 38)
Bryant Street
EXISTING CRAFTON HILLS RESERVOIR
PROPOSED CRAFTON HILLS RESERVOIR ENLARGEMENT
PROPROSED PROJECT COMPONENTS
Proposed Reservoir Enlargement
Cut Slopes
Spoil Area
Proposed Dam
Staging Area
Load Restricted Staging Area
Staging and Supplemental Borrow Area
Supplemental Borrow Area
Maintenance Road
Proposed Yucaipa Connector Pipeline
EXISTING COMPONENTS
Existing EBX I Pipeline
Existing Access Road
Existing Yucaipa Pipeline
0
800
Feet

ADMINISTRATIVE ISSUES

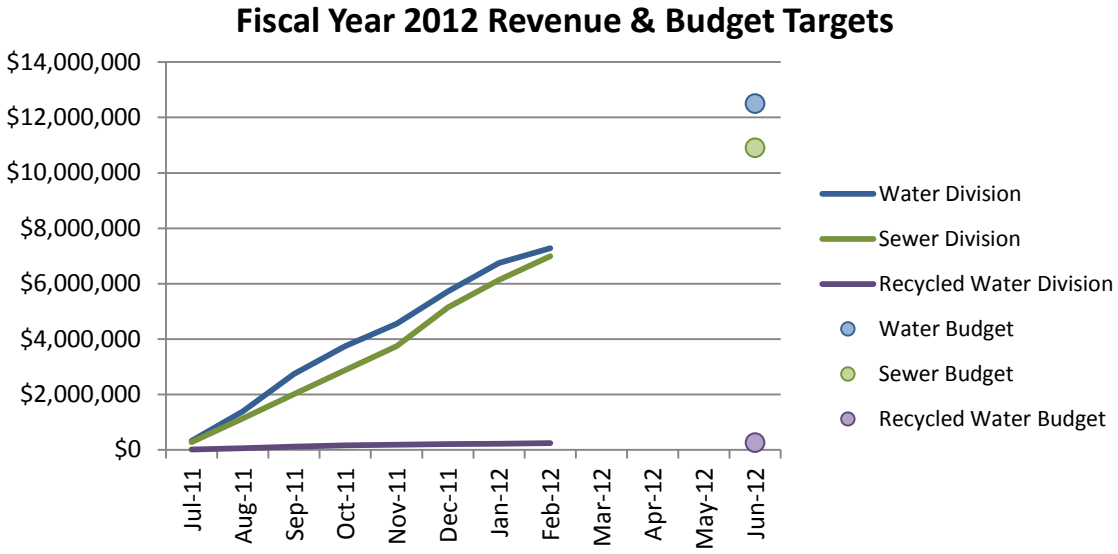
Yucaipa Valley Water District

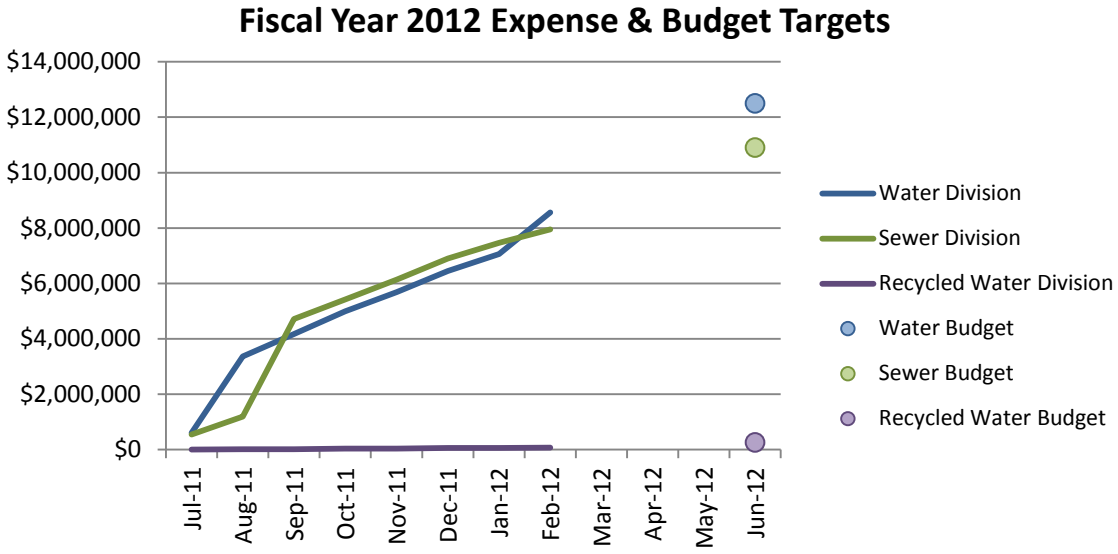
Workshop Memorandum 12-060

Date: **March 13, 2012**

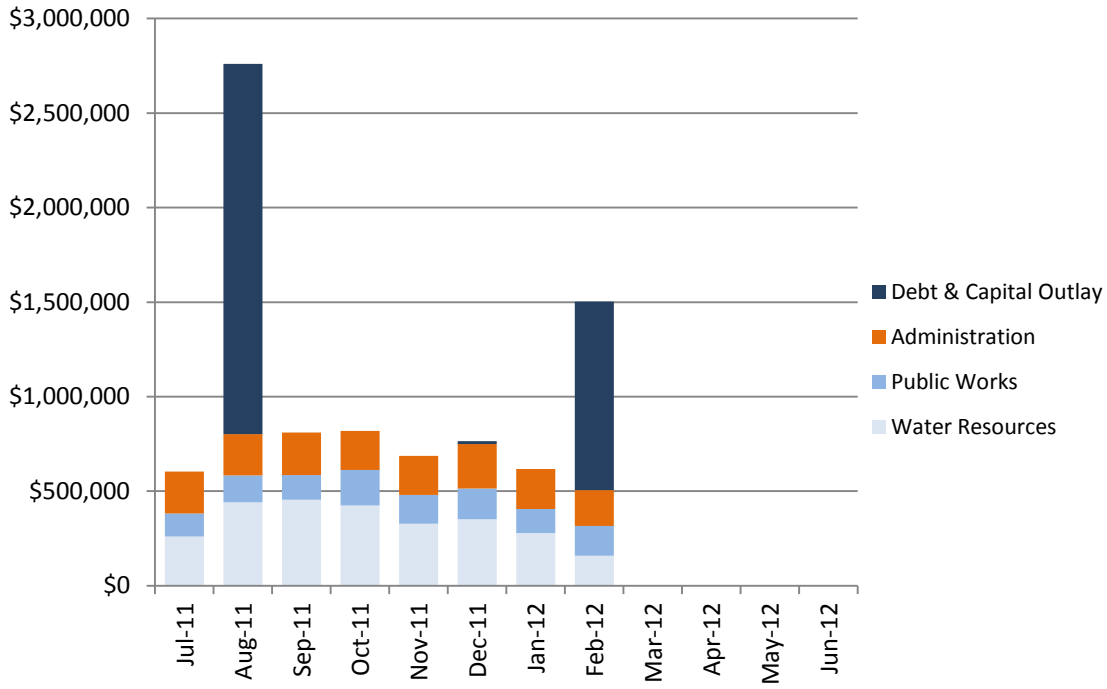
Subject: **Unaudited Financial Report for the Period Ending February 29, 2012**

The District staff has prepared the attached Unaudited Financial Report for the period ending on February 29, 2012. A graphical summary of the financial information is provided below and detailed information follows as part of the monthly unaudited financial report.

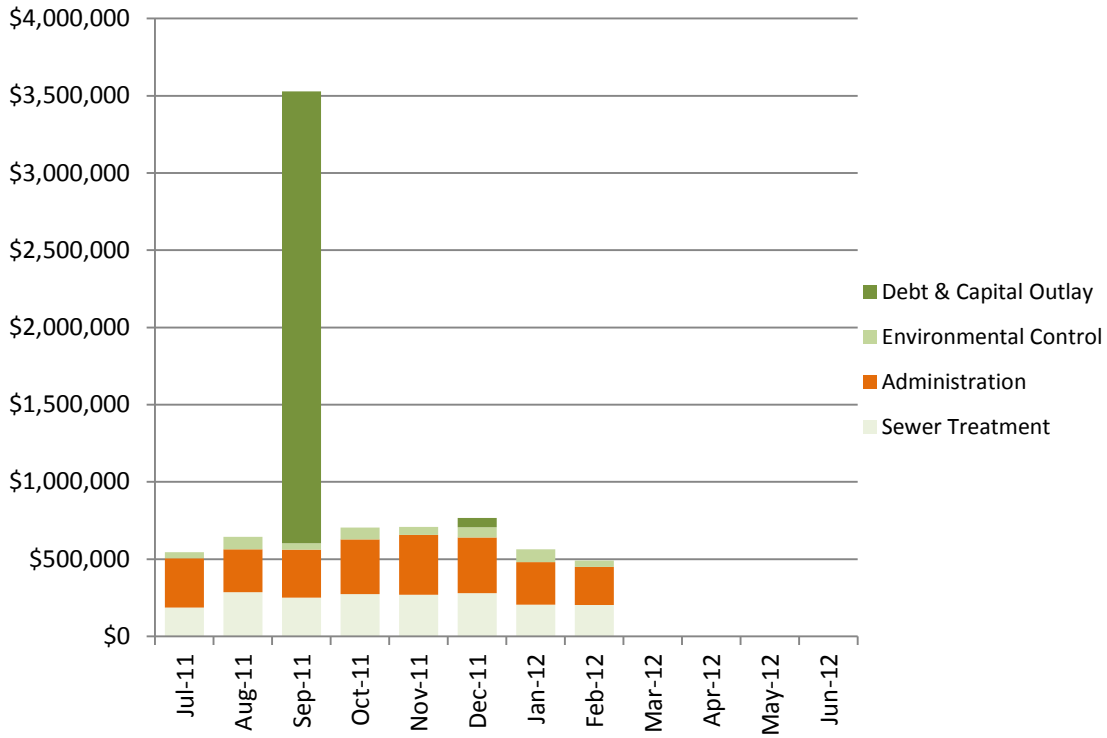




Water Division Monthly Expense Summary - FY 2012



Sewer Division Monthly Expense Summary - FY 2012



Yucaipa Valley Water District

Director Memorandum 12-0xx

Date: March 21, 2012

Prepared By: Vicky Elisalda, Controller
Peggy Little, Administrative Supervisor

Subject: Unaudited Financial Report for the Period Ending on February 29, 2012

Recommendation: That the Board receives and files the unaudited financial report as presented.

The following unaudited financial report has been prepared by the Administrative Department for your review. The report has been divided into six sections to clearly disseminate information pertaining to the financial status of the District. Please remember that the following financial information has not been audited.

Cash Fund Balance Report

The Cash Fund Balance Report provides a summary of how the total amount of funds maintained by financial institutions is distributed throughout the enterprise and non-enterprise funds of the District. A summary of the report is as follows:

Fund Source	Operating Funds	Restricted Funds	Total Funds
Water Division	($192,686.23)	$5,804,777.76	$5,612,091.53
Sewer Division	($4,052,592.85)	$6,628,337.14	$2,575,744.29
Recycled Water Division	($2,351,154.65)	$692,178.80	($1,658,975.85)
Total	**($6,596,433.73)**	**$13,125,293.70**	**$6,528,859.97**

Most of the funds reflected in the Cash Fund Balance Report are designated for specific purposes and are therefore restricted, either by law or by District policy.

Check Register

The check register lists each check processed during the month of February 2012. The District processed 225 checks during the month of February for a total sum of $3,058,110.54. All checks are reviewed by District staff for accuracy and completeness, and usually signed by the General Manager and one Director, but may be signed by two Directors.

The Controller will make any check, invoice or supporting documentation available for review to any board member upon request.

Financial Account Information

The District currently deposits all revenue received into the Deposit Checking account. The General Checking account is used as a sole processing account for all District checks and electronic payroll. The Investment Checking account is used for the purchase and redemption of US treasury notes and bills and for the transfer of LAIF funds. The US treasury notes and bills are booked at cost.

The LAIF investment account is a pooled money account administered by the State of California. Additional information on the LAIF account is provided below in the investment summary report.

Investment Summary

The investment summary report illustrates the District's investments in US treasury notes and bills in addition to the investments held by the Local Agency Investment Fund or LAIF. The yields for the treasury notes and bills are provided for each individual transaction. The historical annual yield for funds invested with LAIF is also provided.

Separate pooled money investment reports prepared by the State of California are maintained by the District and available for review.

Monthly Revenue Allocation

During the month of February 2012 the District received a sum total of $1,506,570.54 in revenues from the following categories:

- A total of $1,479,008.07 was received from 14,615 customers for utility bill payments. This is the total amount of utility bill payments received from water, sewer and recycled services.
- A total of $1,087.00 was received for construction meter deposits, customer deposits and internet fee payments.
- A total of $11,646.42 was received from miscellaneous water related activities (other than utility bill charges).
- A total of $14,829.05 was received from miscellaneous sewer related activities (other than utility bill charges).
- A total of $0.00 was received from miscellaneous recycled related activities (other than utility bill charges).
- The District received ARRA draw #19 in the amount of $295,534 on February 23rd.

Fiscal Year 2012 Budget Status

The revenue and expense budget status for the 2012 Fiscal Year is provided for your review.

Summary of Revenue Budget
As of February 29, 2012 (62% of Budget Cycle)

Division	Budget Amount	Current Month	Year-To-Date	Percentage
Water	12,503,170	533,457	7,279,920	58.2
Sewer	10,908,600	850,002	6,990,520	64.1
Recycled Water	265,250	15,135	243,459	91.8
District Revenue	**23,677,020**	**1,398,594**	**14,513,899**	**61.3**

Summary of Water Budget
As of February 29, 2012 (62% of Budget Cycle)

Department	Budget Amount	Current Month	Year-To-Date	Percentage
Water Resources	4,359,935	158,414	2,698,703	61.9
Public works	2,147,165	157,247	1,182,170	55.1
Administration	3,028,695	189,430	1,713,505	56.6
Long Term Debt	2,932,375	0	2,932,375	100.0
Asset Acquisition	35,000	0	39,222	112.1
TOTAL	**12,503,170**	**505,091**	**8,565,975**	**68.5**

Summary of Sewer Budget
As of February 29, 2012 (62% of Budget Cycle)

Department	Budget Amount	Current Month	Year-To-Date	Percentage
Treatment	3,413,225	203,835	1,960,262	57.4
Administration	3,724,350	246,981	2,527,442	67.9
Environmental Control	824,775	40,629	484,261	58.7
Long Term Debt	2,946,250	0	2,923,669	99.2
Asset Acquisition	0	0	58,829	0.0
TOTAL	**10,908,600**	**491,445**	**7,954,463**	**72.9**

Summary of Recycled Water Budget
As of February 29, 2012 (62% of Budget Cycle)

Department	Budget Amount	Current Month	Year-To-Date	Percentage
Administration	265,250	6,025	72,694	27.4
TOTAL	**265,250**	**6,025**	**72,694**	**27.4**
District Expenses	**23,677,020**	**1,002,561**	**16,593,132**	**70.1**

Investment Policy Disclosure

The District is currently compliant with the portfolio of its Investment Policy and State Law.

The District is using Sandy Gage with Merrill Lynch Wealth Management (Bank of America Corporation) for Treasury investments. The District expects to meet its expenditure requirements for the next six months.

Questions or Comments

If you have any questions about a particular budget account, please do not hesitate to contact the Controller directly. If you need additional information, the members of the Administrative Department would be happy to provide you with any detailed information you may desire.

Cash Fund Balance Report - February 2012

Water Division	GL#		Balance
Project Fund - Encumbered	02-10215	$	720,977.22
ID 1 Construction Funds	02-10216	$	293,145.85
ID 2 Construction Funds	02-10217	$	80,409.31
Depreciation Reserves	02-10310	$	2,501,755.43
Infrastructure Reserves	02-10311	$	265,291.00
Sustainability Fund	02-10313	$	126,097.92
Rate Stabilization Fund	02-10314	$	493,209.14
Imported Water Fund - MUNI	02-10315	$	(735,738.85)
Imported Water Fund - SGPWA	02-10316	$	281,476.01
FCC - Debt Service YVRWFF Phase I	02-10401	$	35,316.56
FCC - Future YVRWFF Phase II & III	02-10403	$	120,342.55
FCC - Recycled System	02-10410	$	186,161.84
FCC - Booster Pumping Plants	02-10411	$	203,084.62
FCC - Pipeline Facilities	02-10412	$	452,288.20
FCC - Water Storage Reservoirs	02-10413	$	780,960.96
Operating Funds:		$	(192,686.23)
	Total Water Division	**$**	**5,612,091.53**

Sewer Division	GL#		Balance
Project Fund - Encumbered	03-10215	$	751,424.20
Depreciation Reserves	03-10310	$	2,935,502.31
Infrastructure Reserves	03-10311	$	524,200.00
Rate Stabilization Fund	03-10314	$	1,464,313.38
FCC - Debt Service WWTP Expansion & Upgrade	03-10405	$	52,619.99
FCC - Future WWTP Expansion	03-10407	$	274,457.32
FCC - Sewer Interceptors	03-10415	$	136,814.51
FCC - Lift Stations	03-10416	$	67,513.56
FCC - Effluent Disposal Facilities	03-10417	$	88,937.96
FCC - Salt Mitigation Facilities	03-10418	$	332,553.91
Operating Funds:		$	(4,052,592.85)
	Total Wastewater Division	**$**	**2,575,744.29**

Recycled Water Division	GL#		Balance
Depreciation Reserves	04-10310	$	481,300.00
Infrastructure Reserves	04-10311	$	35,280.00
FCC - Recycled System	04-10410	$	14,948.78
FCC - Booster Pumping Plants	04-10411	$	16,085.99
FCC - Pipeline Facilities	04-10412	$	80,051.54
FCC - Water Storage Reservoirs	04-10413	$	64,512.49
Operating Funds:		$	(2,351,154.65)
	Total Recycled Water Division	**$**	**(1,658,975.85)**

	DISTRICT TOTAL	**$**	**6,528,859.97**

Future Obligations	Due Date		Amount
2004A Bond Payment - Water Division	02/23/2013	$	978,462.50
SBVMWD - SARI Pipeline Capacity (FINAL Payment)	06/01/2012	$	19,710.00
2004A Bond Payment - Water Division	08/27/2012	$	1,952,562.50
SRF Payment - Sewer Division	09/10/2012	$	2,923,688.75

Check Register - February 2012

Check Date	Check Number	Name	Check Amount
02/06/2012	14369	CA-OCP HEALTH SERVICES	970.00
02/06/2012	14370	ADS, LLC	2,634.00
02/06/2012	14371	Ameripride Uniform Services	444.73
02/06/2012	14372	Central Communications	220.95
02/06/2012	14373	Chapman Heights Elementary	556.00
02/06/2012	14374	Crown Ace Hardware - Yucaipa	471.63
02/06/2012	14375	First American Data Tree, LLC	50.00
02/06/2012	14376	Fedex	64.05
02/06/2012	14377	House Of Quality, Parts Plus	3,600.22
02/06/2012	14378	VOID CHECK	0.00
02/06/2012	14379	InfoSend, Inc.	3,403.98
02/06/2012	14380	Kelly Services, Inc.	344.81
02/06/2012	14381	Konica Minolta Business Soluti	25.00
02/06/2012	14382	Krieger & Stewart	19,379.81
02/06/2012	14383	Leroy's Landscape Services	2,955.00
02/06/2012	14384	NAPA Genuine Parts Company	50.09
02/06/2012	14385	NetComp Technologies,Inc.	3,510.00
02/06/2012	14386	Priority Mailing Systems Inc.	505.00
02/06/2012	14387	SCCI, Inc.	350.00
02/06/2012	14388	Sims Welding & Supply Co., Inc	158.45
02/06/2012	14389	SCE Rosemead	114,415.23
02/06/2012	14390	The Gas Company	898.08
02/06/2012	14391	Underground Service Alert Of S	247.50
02/06/2012	14392	George F. Siddle	111.25
02/06/2012	14393	Verizon	129.32
02/06/2012	14394	Yucaipa Disposal, Inc.	1,262.31
02/06/2012	14395	Auto Care Clinic	186.39
02/06/2012	14396	Backflow Apparatus & Valve Co.	94.20
02/06/2012	14397	Brenntag Pacific, Inc	9,058.01
02/06/2012	14398	Jeanntte Wisdom	10,610.00
02/06/2012	14399	Cal's Auto Repair & Towing	50.00
02/06/2012	14400	Case Dealer Holding Co., LLC	625.59
02/06/2012	14401	Cemex Inc. USA	810.74
02/06/2012	14402	Center Electric	824.61
02/06/2012	14403	David Sunden	2,282.94
02/06/2012	14404	Edward S Babcock & Sons, Inc.	800.00
02/06/2012	14405	Alan L. Grubel Automotive Inc.	384.21
02/06/2012	14406	Hach Company	623.55
02/06/2012	14407	Innerline Engineering	3,700.00
02/06/2012	14408	James John Brothers	20,575.21
02/06/2012	14409	VOID CHECK	0.00
02/06/2012	14410	JR Freeman Co. Inc.	180.92
02/06/2012	14411	Harold J. Cossette	1,428.77
02/06/2012	14412	Lowe's Companies, Inc.	88.29
02/06/2012	14413	Merit Oil Company	2,388.61
02/06/2012	14414	Optics Planet, Inc.	626.76
02/06/2012	14415	Joseph G. Pollard Co., Inc.	433.58
02/06/2012	14416	Press-Enterprise	727.20
02/06/2012	14417	Red Alert Special Couriers	958.90
02/06/2012	14418	Siemens Industry, Inc.	22.84
02/06/2012	14419	Test America Laboratories, Inc	290.00
02/10/2012	14420	Boot Barn #4	300.00
02/10/2012	14421	Rodd Greene	370.21
02/10/2012	14422	UnitedHealthcare of California	37,686.58
02/10/2012	14423	Gregory N. Godwin	178.20
02/10/2012	14424	Standard Insurance Company	2,221.36
02/10/2012	14425	Western Dental Services, Inc.	314.33
02/10/2012	14426	John Wrobel	89.25

Check Register - February 2012

Check Date	Check Number	Name	Check Amount
02/10/2012	14427	Anthem Blue Cross L and H	344.30
02/10/2012	14428	Standard Insurance Company	2,796.59
02/10/2012	14429	Keith Boger	1,685.00
02/10/2012	14430	Standard Insurance Vision Plan	432.48
02/10/2012	14431	MetLife Small Business Center	122.58
02/10/2012	14432	PAYROLL CHECK	2,363.65
02/10/2012	14433	PAYROLL CHECK	412.23
02/10/2012	14434	CA-PERS 457 Deferred Comp	13,544.07
02/10/2012	14435	Public Employees' Retirement S	26,660.50
02/10/2012	14436	Hong Nelson	125.00
02/10/2012	14437	Katherine Kostelecky	500.00
02/10/2012	14438	United Student Aid Funds, Inc.	168.43
02/10/2012	14439	IBEW Local 1436	345.00
02/10/2012	14440	Franchise Tax Board	150.00
02/13/2012	14441	Aklufi & Wysocki	9,230.00
02/13/2012	14442	California Bank & Trust	99,198.78
02/13/2012	14443	Center Electric	15,900.00
02/13/2012	14444	Delta Partners, LLC	7,500.00
02/13/2012	14445	CA-Dept Of Public Health	1,323.00
02/13/2012	14446	Dudek & Associates, Inc	49,093.76
02/13/2012	14447	Krieger & Stewart	193,884.71
02/13/2012	14448	One Stop Landscape Supply Inc	26,960.00
02/13/2012	14449	Platinum Advisors, LLC	5,000.00
02/13/2012	14450	RMC Water and Environment	14,455.60
02/13/2012	14451	Separation Processes, Inc.	51,269.93
02/13/2012	14452	Soboba Band of Luiseno Indians	7,512.38
02/13/2012	14453	W.A. Rasic Construction Co., I	892,788.99
02/13/2012	14454	California Department of Fish	560.25
02/13/2012	14455	State Water Resources Control	114.00
02/13/2012	14456	Robert Austin	3,305.08
02/13/2012	14457	Dept of Consumer Affairs	125.00
02/13/2012	14458	Ameripride Uniform Services	431.26
02/13/2012	14459	Bill Dickinson	3,384.17
02/13/2012	14460	Coverall North America, Inc.	1,021.00
02/13/2012	14461	Crider Public Relations, Inc.	595.00
02/13/2012	14462	Deborah Young-Wisehunt	80.00
02/13/2012	14463	Fedex	43.74
02/13/2012	14464	Fox Occupational Medical Cente	50.00
02/13/2012	14465	Johnson Machinery Co.	1,236.93
02/13/2012	14466	Joseph J. Woodford	800.00
02/13/2012	14467	Kelly Services, Inc.	404.26
02/13/2012	14468	Konica Minolta Business Soluti	34.32
02/13/2012	14469	San Gorgonio Pass Water Agency	9,242.19
02/13/2012	14470	Southern CA Emergency Medicine	225.00
02/13/2012	14471	Association of San Bernardino	175.00
02/13/2012	14472	The Counseling Team Internatio	600.00
02/13/2012	14473	UPS Store#1504/ Mail Boxes Etc	82.84
02/13/2012	14474	Verizon	1,160.46
02/13/2012	14475	Auto Care Clinic	492.18
02/13/2012	14476	Brenntag Pacific, Inc	1,002.50
02/13/2012	14477	Cortech Engineering	12,727.86
02/13/2012	14478	Daily Journal Corporation	739.20
02/13/2012	14479	Fastenal Company	888.53
02/13/2012	14480	George T Hall Co Inc	1,510.43
02/13/2012	14481	Harrington Ind. Plastic, LLC	2,422.72
02/13/2012	14482	Industrial Scientific Corporat	460.75
02/13/2012	14483	Inland Water Works Supply Co.	2,797.81
02/13/2012	14484	James John Brothers	5,150.00

Check Register - February 2012

Check Date	Check Number	Name	Check Amount
02/13/2012	14485	Merit Oil Company	2,446.38
02/13/2012	14486	Microflex Corp #774353	997.87
02/13/2012	14487	Nagem, Inc.	1,256.77
02/13/2012	14488	Nalco Company	5,164.50
02/13/2012	14489	NCL Of Wisconsin Inc	329.63
02/13/2012	14490	Northern Safety Co. Inc	229.83
02/13/2012	14491	Q Versa, LLC	7,537.20
02/13/2012	14492	Red Alert Special Couriers	42.93
02/13/2012	14493	Siemens Industry, Inc.	882.92
02/13/2012	14494	Total-Western, Inc.	4,965.00
02/13/2012	14495	Wilbur's	100.23
02/13/2012	14496	YSI Incorporated	2,535.28
02/13/2012	14497	Michael J. O'Day	500.00
02/21/2012	14498	Ralph C. Casas	56.00
02/21/2012	14499	Ameripride Uniform Services	431.26
02/21/2012	14500	AT&T Mobility	1,784.45
02/21/2012	14501	Charles Wayne Hippenstiel	2,255.00
02/21/2012	14502	Corelogic, Inc.	300.00
02/21/2012	14503	Incode Division-Tyler Technolo	350.00
02/21/2012	14504	InfoSend, Inc.	3,471.22
02/21/2012	14505	Kelly Services, Inc.	428.04
02/21/2012	14506	NetComp Technologies,Inc.	2,599.23
02/21/2012	14507	RFI	315.00
02/21/2012	14508	Verizon	161.72
02/21/2012	14509	Wells Fargo Bank -Corporate Tr	997,251.92
02/21/2012	14510	Brenntag Pacific, Inc	8,680.56
02/21/2012	14511	Brithinee Electric	4,814.64
02/21/2012	14512	Center Electric	454.04
02/21/2012	14513	Riverside, City Of, Central Ca	4,866.50
02/21/2012	14514	Clinical Laboratory of San Ber	2,024.00
02/21/2012	14515	Cobb's Printing, LLC	145.46
02/21/2012	14516	Victor James Valenti	3,398.49
02/21/2012	14517	Diamond Hills Auto Group, Inc.	116.54
02/21/2012	14518	Fairview Ford Sales, Inc.	38.11
02/21/2012	14519	Fisher Scientific Co.	249.65
02/21/2012	14520	Myers & Sons Hi-Way Safety Inc	62.50
02/21/2012	14521	Industrial Scientific Corporat	70.02
02/21/2012	14522	Inland Water Works Supply Co.	1,781.00
02/21/2012	14523	Johnson Machinery Co.	55.29
02/21/2012	14524	JR Freeman Co. Inc.	418.31
02/21/2012	14525	Merit Oil Company	2,304.48
02/21/2012	14526	Nagem, Inc.	75.00
02/21/2012	14527	Oily's Automotive Service & Re	130.00
02/21/2012	14528	Pro-Pipe & Supply, Inc.	257.12
02/21/2012	14529	Schaner's WasteWater Prod., In	2,441.63
02/21/2012	14530	Siemens Industry, Inc.	164.84
02/21/2012	14531	Sterling Water Technologies LL	16,562.94
02/21/2012	14532	Test America Laboratories, Inc	1,841.50
02/21/2012	14533	Total-Western, Inc.	9,930.00
02/21/2012	14534	State Water Resources Control	95.00
02/21/2012	14535	James O'Brien	105.00
02/21/2012	14536	Atkinson, Andelson, Loya, Ruud	902.32
02/24/2012	14537	PAYROLL CHECK	1,886.26
02/24/2012	14538	WARFIELD, CHARLES E	14.34
02/24/2012	14539	CLEAN CUT LANDSCAPE	1,439.89
02/24/2012	14540	OSTDIEK, GARY	20.86
02/24/2012	14541	CA-PERS 457 Deferred Comp	11,152.12
02/24/2012	14542	Public Employees' Retirement S	26,560.77

Check Register - February 2012

Check Date	Check Number	Name	Check Amount
02/24/2012	14543	Hong Nelson	125.00
02/24/2012	14544	Katherine Kostelecky	500.00
02/24/2012	14545	United Student Aid Funds, Inc.	168.43
02/24/2012	14546	Franchise Tax Board	150.00
02/24/2012	14547	Renaissance Phoenix	2,038.27
02/27/2012	14548	American Family Life Assurance	2,843.01
02/27/2012	14549	VOID CHECK	0.00
02/27/2012	14550	SeaBright Insurance Company	11,985.00
02/27/2012	14551	Ameripride Uniform Services	414.17
02/27/2012	14552	Bear Valley Mutual Water Compa	1,176.00
02/27/2012	14553	Best Home Center	84.65
02/27/2012	14554	Fedex	66.55
02/27/2012	14555	Incode Division-Tyler Technolo	15,123.74
02/27/2012	14556	Kelly Services, Inc.	368.59
02/27/2012	14557	NetComp Technologies,Inc.	630.00
02/27/2012	14558	James Rowell	15.00
02/27/2012	14559	Sandra Summers	80.00
02/27/2012	14560	Separation Processes, Inc.	2,850.00
02/27/2012	14561	SCE Rosemead	108,878.93
02/27/2012	14562	Verizon	1,539.35
02/27/2012	14563	Auto Care Clinic	696.06
02/27/2012	14564	BofA Credit Card	233.27
02/27/2012	14565	Calolympic Glove & Safety Co.,	210.94
02/27/2012	14566	Cemex Inc. USA	648.07
02/27/2012	14567	Center Electric	1,362.12
02/27/2012	14568	CINTAS First Aid & Safety	390.45
02/27/2012	14569	Cortech Engineering	884.43
02/27/2012	14570	David Sunden	308.81
02/27/2012	14571	G&G Environmental Compliance,I	4,139.97
02/27/2012	14572	George T Hall Co Inc	214.43
02/27/2012	14573	Grainger	5,054.80
02/27/2012	14574	Inland Water Works Supply Co.	2,253.27
02/27/2012	14575	Innerline Engineering	4,350.00
02/27/2012	14576	Inplant Sales LLC	48.70
02/27/2012	14577	Johnson Power Systems	598.68
02/27/2012	14578	JR Freeman Co. Inc.	440.45
02/27/2012	14579	Lowe's Companies, Inc.	143.07
02/27/2012	14580	Matich Corp	2,038.57
02/27/2012	14581	Merit Oil Company	1,885.78
02/27/2012	14582	Nagem, Inc.	637.78
02/27/2012	14583	Polydyne Inc.	2,602.16
02/27/2012	14584	Pro-Pipe & Supply, Inc.	9.58
02/27/2012	14585	Q Versa, LLC	3,278.86
02/27/2012	14586	R & R Anderson Trucking	509.10
02/27/2012	14587	San Bdno. Valley Muni. Water D	1,250.00
02/27/2012	14588	Smart & Final Stores, LLC	59.41
02/27/2012	14589	Tri County Pump Company	2,387.94
02/27/2012	14590	HD Supply Facilities Maintenan	695.83
02/27/2012	14591	Wilbur's	90.41
02/27/2012	14592	BofA Credit Card	751.31
02/27/2012	14593	YVWD-Petty Cash	129.92
		February 2012 Check Register Total	**3,058,110.54**

Financial Account Information - February 2012

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2012	bal forward	844,510.63	30,000.00	69,118.52	500,983.19	6,636,123.21	8,080,735.55
1/31	*rev retained in MM*				*(64.71)*		**(64.71)**
02/01/2012	Deposit	49,372.73					**49,372.73**
	Credit Card-1/31	517.43					**517.43**
	Credit Card-2/1	4,990.03					**4,990.03**
	Electronic	18,824.53					**18,824.53**
	Website-2/1	1,201.35					**1,201.35**
	Website-2/2	97.81					**97.81**
	Website-2/2	193.92					**193.92**
02/02/2012	Deposit	49,037.78					**49,037.78**
	Dep corr	(30.00)					**(30.00)**
	Credit Card-2/1	850.49					**850.49**
	Credit Card-2/2	1,238.86					**1,238.86**
	Electronic	12,207.37					**12,207.37**
	Website-2/2	1,047.29					**1,047.29**
	Website-2/3	275.43					**275.43**
	ETS Fees	(805.67)					**(805.67)**
	ETS Fees	(736.25)					**(736.25)**
02/03/2012	Deposit	55,783.29					**55,783.29**
	Credit Card-2/2	867.48					**867.48**
	Credit Card-2/3	1,266.33					**1,266.33**
	Electronic	22,054.38					**22,054.38**
	Website-2/3	2,420.25					**2,420.25**
	Website-2/4 & 2/5	3,713.69					**3,713.69**
	Website-2/6	267.29					**267.29**
	ACH pmts	31,241.70					**31,241.70**
02/06/2012	Deposit	55,262.53					**55,262.53**
	Credit Card-2/3	152.09					**152.09**
	Credit Card-2/6	2,731.56					**2,731.56**
	Electronic	14,225.84					**14,225.84**
	Website-2/6	2,750.12					**2,750.12**
	Website-2/7	563.55					**563.55**
02/07/2012	Deposit	60,551.10					**60,551.10**
	Credit Card-2/6	634.10					**634.10**
	Credit Card-2/7	3,094.73					**3,094.73**
	Electronic	21,959.79					**21,959.79**
	Website-2/7	1,004.88					**1,004.88**
	Website-2/8	766.55					**766.55**
02/08/2012	Deposit	53,978.69					**53,978.69**
	Credit Card-2/6	321.23					**321.23**
	Credit Card-2/7	588.54					**588.54**
	Credit Card-2/8	4,273.53					**4,273.53**
	Electronic	13,819.85					**13,819.85**
	Website-2/8	898.69					**898.69**
	Website-2/9	328.86					**328.86**
02/09/2012	Deposit	61,517.40					**61,517.40**
	Credit Card-2/8	1,415.09					**1,415.09**
	Credit Card-2/9	1,224.86					**1,224.86**
	Electronic	9,440.16					**9,440.16**
	Website-2/9	990.43					**990.43**
	Website-2/10	75.00					**75.00**
	Website-2/10	168.90					**168.90**

Financial Account Information - February 2012

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2012	bal forward	844,510.63	30,000.00	69,118.52	500,983.19	6,636,123.21	8,080,735.55
2/10/12-PR	Federal Taxes		(36,394.81)				(36,394.81)
2/10/12-PR	State Taxes		(6,369.69)				(6,369.69)
2/10/12-PR	ING 457		(7,530.61)				(7,530.61)
2/10/12-PR	PR Direct Deposit		(99,136.74)				(99,136.74)
	Cks#14369-14440		(305,338.49)				(305,338.49)
	TRF#1075-AP & PR	**(454,770.34)**	**454,770.34**				0.00
02/10/2012	Deposit	29,639.32					29,639.32
	Credit Card-2/9	312.24					312.24
	Credit Card-2/10	1,723.14					1,723.14
	Electronic	12,587.82					12,587.82
	Website-2/10	825.63					825.63
	Website-2/11	413.18					413.18
	Website-2/11	2,514.45					2,514.45
	Website-2/12	1,183.06					1,183.06
	Website-2/13	249.14					249.14
	Website-2/13	58.98					58.98
	ACH pmts	44,007.45					44,007.45
02/13/2012	Deposit	75,196.82					75,196.82
	Deposit-WC Refund	27,855.00					27,855.00
	Credit Card-2/10	281.18					281.18
	Credit Card-2/13	2,903.66					2,903.66
	Electronic	15,959.04					15,959.04
	Website-2/13	1,566.06					1,566.06
	Website-2/14	232.51					232.51
02/14/2012	Deposit	26,054.06					26,054.06
	Credit Card-2/13	480.73					480.73
	Credit Card-2/14	1,491.57					1,491.57
	Electronic	17,726.73					17,726.73
	Website-2/14	2,291.94					2,291.94
	Website-2/15	142.00					142.00
	Website-2/15	253.25					253.25
	TRF#1076-LAIF to Inv Ck			**500,000.00**		**(500,000.00)**	0.00
	TRF#1077-Inv Ck to Dep Ck	**500,000.00**		**(500,000.00)**			0.00
	Cks#14441-14497		(1,452,968.17)				(1,452,968.17)
	TRF#1078-AP	**(1,452,968.17)**	**1,452,968.17**				0.00
02/15/2012	Deposit	48,299.99					48,299.99
	Credit Card-2/14	785.64					785.64
	Credit Card-2/15	6,852.54					6,852.54
	Electronic	9,340.32					9,340.32
	Website-2/15	793.49					793.49
	Website-2/16	180.65					180.65
	Website-2/16	148.23					148.23
	ACH pmts	38,573.22					38,573.22
02/16/2012	Deposit	49,970.19					49,970.19
	Deposit-M/C	5,077.59					5,077.59
	Credit Card-2/15	1,445.19					1,445.19
	Credit Card-2/16	1,523.47					1,523.47
	Electronic	6,682.61					6,682.61
	Website-2/16	918.73					918.73
	Website-2/17	223.44					223.44

Financial Account Information - February 2012

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2012	bal forward	844,510.63	30,000.00	69,118.52	500,983.19	6,636,123.21	8,080,735.55
02/17/2012	Deposit	22,104.18					22,104.18
	Credit Card-2/16	366.12					366.12
	Credit Card-2/17	1,345.93					1,345.93
	Electronic	14,665.63					14,665.63
	Website2/17	1,479.64					1,479.64
	Website2/18	878.15					878.15
	Website2/19	551.35					551.35
	Website2/20	6,846.85					6,846.85
	Website2/21	625.75					625.75
02/21/2012	Deposit	65,754.09					65,754.09
	Credit Card-2/17	347.32					347.32
	Credit Card-2/21	2,832.23					2,832.23
	Electronic	15,990.56					15,990.56
	Website-2/21	1,515.83					1,515.83
	Website-2/22	229.16					229.16
	Website-2/22	259.76					259.76
	ACH pmts	20,123.99					20,123.99
02/22/2012	Deposit	31,900.13					31,900.13
	Credit Card-2/21	607.96					607.96
	Credit Card-2/22	1,012.58					1,012.58
	Electronic	18,849.05					18,849.05
	Website-2/22	1,367.52					1,367.52
	Website-2/23	59.09					59.09
	TRF#1079-LAIF to Inv Ck			900,000.00		(900,000.00)	0.00
	TRF#1080-Inv Ck to Dep Ck	900,000.00		(900,000.00)			0.00
2/24/12-PR	Federal Taxes		(35,161.57)				(35,161.57)
2/24/12-PR	State Taxes		(6,208.30)				(6,208.30)
2/24/12-PR	ING 457		(7,109.82)				(7,109.82)
2/24/12-PR	PR Direct Deposit		(96,416.13)				(96,416.13)
	Cks#14498-14547		(1,115,444.72)				(1,115,444.72)
	TRF#1081-AP & PR	(1,260,340.54)	1,260,340.54				0.00
02/23/2012	Deposit	14,197.56					14,197.56
	Credit Card	1,258.79					1,258.79
	Electronic	8,135.50					8,135.50
	Website-2/23	891.68					891.68
	Website-2/24	262.97					262.97
2/23	ARRA -Draw #19		295,534.00				295,534.00
	TRF#1071-ARRA Draw #19	295,534.00	(295,534.00)				0.00
02/24/2012	Deposit	18,852.22					18,852.22
	Credit Card	1,398.97					1,398.97
	Electronic	6,845.82					6,845.82
	Website-2/24	1,840.48					1,840.48
	Website-2/25	44.00					44.00
	Website-2/25	840.63					840.63
	Website-2/26	604.34					604.34
	Website-2/27	147.86					147.86
02/27/2012	Deposit	41,064.15					41,064.15
	Credit Card-2/24	322.59					322.59
	Credit Card-2/27	1,176.76					1,176.76
	Electronic	6,916.57					6,916.57
	Website-2/27	1,470.39					1,470.39
	Website-2/28	81.53					81.53
	ACH pmts	48,308.58					48,308.58

Financial Account Information - February 2012

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2012	bal forward	844,510.63	30,000.00	69,118.52	500,983.19	6,636,123.21	8,080,735.55
02/28/2012	Deposit	48,756.06					48,756.06
	Credit Card-2/27	669.89					669.89
	Credit Card-2/28	1,552.26					1,552.26
	Electronic	12,519.12					12,519.12
	Website-2/28	2,563.35					2,563.35
	Website-2/29	523.81					523.81
02/29/2012	Deposit	44,297.69					44,297.69
	Deposit-M/C	3,521.77					3,521.77
	Credit Card-2/28	556.98					556.98
	Credit Card-2/29	5,297.52					5,297.52
	Electronic	15,705.00					15,705.00
	Website-2/29	1,016.69					1,016.69
	Website-3/1	155.69					155.69
	Cks#14548-14593		(184,359.16)				(184,359.16)
	TRF#1083-AP	**(184,359.16)**	**184,359.16**				0.00
	February '12 NSF's	(1,881.31)					(1,881.31)
2/29	*retained in MM*				*64.72*		64.72
	TOTALS	**692,635.04**	**30,000.00**	**69,118.52**	**500,983.20**	**5,236,123.21**	**6,528,859.97**

Investment Summary - February 2012

U.S. TREASURIES

Quantity	Description	Cusip	Maturity Date	Yield	Cost of Purchase	Market Value
501,000	US Treasury Bill	912795Y96	August 23, 2012	0.028%	500,918.48	500,714.43
501,000			**Total Values**		**500,918.48**	**500,714.43**

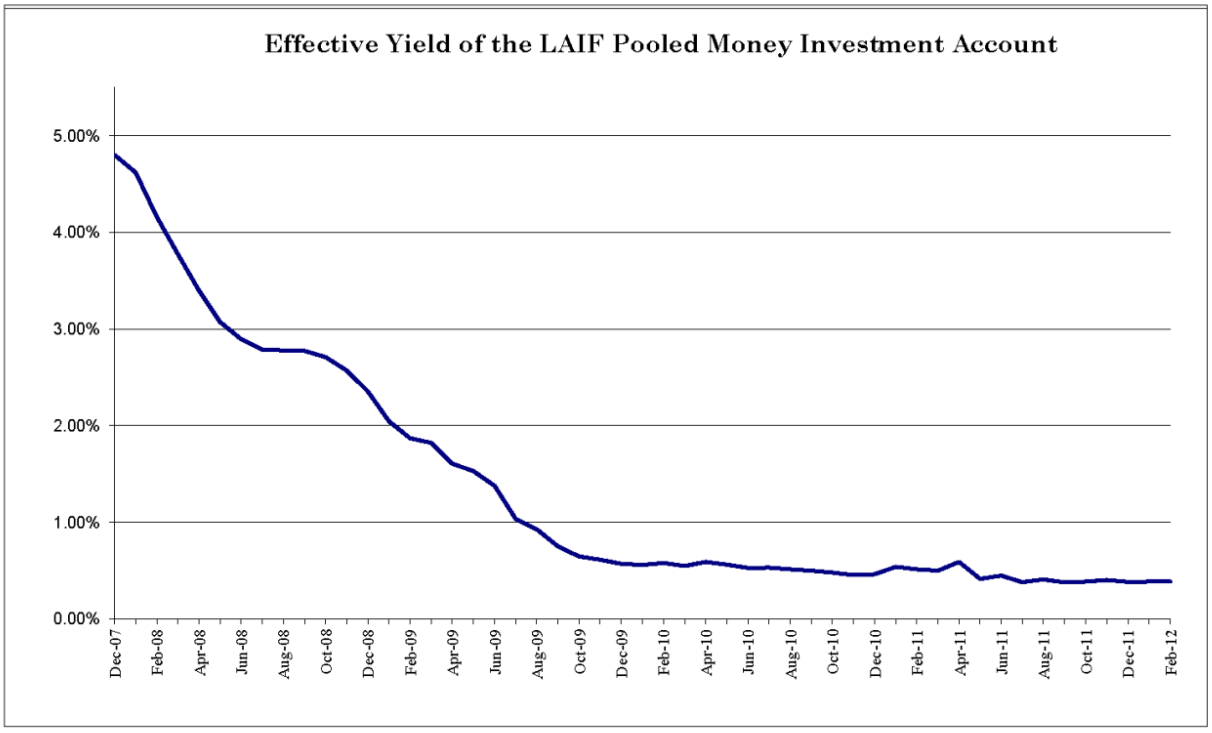
Money Market Account Activity-Beginning Balance	**64.71**
2/29/2012 - Dividend/Interest	0.01
Income	**0.01**
Intra-Bank Transfers to/from Investment Checking	0.00
Fund Transfers	**0.00**
Cusip Maturity	0.00
Redemptions	**0.00**
Cusip Purchase	0.00
Purchases	**0.00**
Ending Balance - Money Market	**64.72**
US Treasury Securities Investment Principal	**500,918.48**
Total Assets	**500,983.20**

Investment Summary - February 2012

LOCAL AGENCY INVESTMENT FUND

PERIOD	TOTAL WITHDRAWAL AMOUNT	TOTAL DEPOSIT AMOUNT	ACCRUED INTEREST (QUARTERLY)	ENDING BALANCE
July 31, 2011	$0.00	$0.00	$39.05	$32,944.00
August 31, 2011	$0.00	$2,000,000.00	$0.00	$2,032,944.00
September 30, 2011	($2,000,000.00)	$1,300,000.00	$0.00	$1,332,944.00
October 31, 2011	$0.00	$800,000.00	$556.93	$2,133,500.93
November 30, 2011	($1,000,000.00)	$700,000.00	$0.00	$1,833,500.93
December 31, 2011	($300,000.00)	$4,400,000.00	$0.00	$5,933,500.93
January 31, 2012	$0.00	$700,000.00	$2,622.28	$6,636,123.21
February 29, 2012	($1,400,000.00)	$0.00	$0.00	$5,236,123.21
March 31, 2012	$0.00	$0.00	$0.00	$5,236,123.21
April 30, 2012	$0.00	$0.00	$0.00	$5,236,123.21
May 31, 2012	$0.00	$0.00	$0.00	$5,236,123.21
June 30, 2012	$0.00	$0.00	$0.00	$5,236,123.21

L.A.I.F. INCOME SUMMARY	CURRENT QUARTER	FY YEAR-TO-DATE
INCOME RECEIVED	$2,622.28	$3,218.26



Daily Deposit Allocation - February 2012

DATE	Description	Qty	DEPOSIT CHECKING DEPOSITS	AR Mail & Counter	AR Payment Centers	AR Credit Card	AR Electronic Rapid Pay	AR Web Site	AR ACH Auto Pay	AR TOTAL	AR Water Fees & Deposits	Water Allocation	Sewer Allocation	Recycled Allocation	RECAP TOTAL
02/01/2012	Mail & Counter	500	49,372.73	49,312.73						49,312.73	60.00				49,372.73
	Credit Cards	48	5,507.46			5,507.46				5,507.46					5,507.46
	Electronic	242	18,824.53				18,824.53			18,824.53					18,824.53
	Website	21	1,493.08					1,456.33		1,456.33	36.75				1,493.08
02/02/2012	Mail & Counter	399	49,037.78	48,917.78						48,917.78	120.00				49,037.78
	Dep Corr		(30.00)	(30.00)						(30.00)					(30.00)
	Credit Cards	15	2,089.35			2,089.35				2,089.35					2,089.35
	Electronic	183	12,207.37				12,207.37			12,207.37					12,207.37
	Website	15	1,322.72					1,296.47		1,296.47	26.25				1,322.72
02/03/2012	Mail & Counter	366	55,783.29	55,783.29						55,783.29					55,783.29
	Credit Cards	19	2,133.81			2,133.81				2,133.81					2,133.81
	Electronic	254	22,054.38				22,054.38			22,054.38					22,054.38
	Website -58 fees	63	6,401.23					6,299.73		6,299.73	101.50				6,401.23
	ACH payment	352	31,241.70						31,241.70	31,241.70					31,241.70
02/06/2012	Mail & Counter	644	55,262.53	55,262.53						55,262.53					55,262.53
	Credit Cards	22	2,883.65			2,883.65				2,883.65					2,883.65
	Electronic	191	14,225.84				14,225.84			14,225.84					14,225.84
	Website - 26 fees	27	3,313.67					3,268.17		3,268.17	45.50				3,313.67
02/07/2012	Mail & Counter	523	60,551.10	60,551.10						60,551.10					60,551.10
	Credit Cards	25	3,728.83			3,728.83				3,728.83					3,728.83
	Electronic	322	21,959.79				21,959.79			21,959.79					21,959.79
	Website	17	1,771.43					1,741.68		1,741.68	29.75				1,771.43
02/08/2012	Mail & Counter	362	53,978.69	53,978.69						53,978.69					53,978.69
	Credit Cards	39	5,183.30			5,183.30				5,183.30					5,183.30
	Electronic	174	13,819.85				13,819.85			13,819.85					13,819.85
	Website	14	1,227.55					1,203.05		1,203.05	24.50				1,227.55
02/09/2012	Mail & Counter	273	61,517.40	61,517.40						61,517.40					61,517.40
	Credit Cards	17	2,639.95			2,639.95				2,639.95					2,639.95
	Electronic	135	9,440.16	9,440.16						9,440.16					9,440.16
	Website	15	1,234.33					1,208.08		1,208.08	26.25				1,234.33
02/10/2012	Mail & Counter	288	29,639.32	29,639.32						29,639.32					29,639.32
	Credit Cards	20	2,035.38			2,035.38				2,035.38					2,035.38
	Electronic	181	12,587.82				12,587.82			12,587.82					12,587.82
	Website	41	5,244.44					5,172.69		5,172.69	71.75				5,244.44
	ACH payment	445	44,007.45						44,007.45	44,007.45					44,007.45
02/13/2012	Mail & Counter	560	75,196.82	75,196.82						75,196.82					75,196.82
	Dep-WC Refund	-	27,855.00							0.00		16,177.50	11,677.50		27,855.00
	Credit Cards	29	3,184.84			3,184.84				3,184.84					3,184.84
	Electronic	213	15,959.04				15,959.04			15,959.04					15,959.04
	Website	22	1,798.57					1,760.07		1,760.07	38.50				1,798.57
02/14/2012	Mail & Counter	367	26,054.06	26,054.06						26,054.06					26,054.06
	Deposit-Riv Taxes	-	0.00	9,978.89						9,978.89		(9,978.89)			0.00
	Credit Cards	17	1,972.30			1,972.30				1,972.30					1,972.30
	Electronic	266	17,726.73				17,726.73			17,726.73					17,726.73
	Website	22	2,687.19					2,648.69		2,648.69	38.50				2,687.19
02/15/2012	Mail & Counter	371	48,299.99	48,299.99						48,299.99					48,299.99
	Credit Cards	59	7,638.18			7,638.18				7,638.18					7,638.18
	Electronic	132	9,340.32				9,340.32			9,340.32					9,340.32
	Website	11	1,122.37					1,103.12		1,103.12	19.25				1,122.37
	ACH payment	463	38,573.22						38,573.22	38,573.22					38,573.22

Daily Deposit Allocation - February 2012

DATE	Description	Qty	DEPOSIT CHECKING DEPOSITS	AR Mail & Counter	AR Payment Centers	AR Credit Card	AR Electronic Rapid Pay	AR Web Site	AR ACH Auto Pay	AR TOTAL	AR Water Fees & Deposits	Water Allocation	Sewer Allocation	Recycled Allocation	RECAP TOTAL
02/16/2012	Mail & Counter	248	49,970.19	49,970.19						49,970.19					49,970.19
	Deposit-M/C	-	5,077.59							0.00		5,077.59			5,077.59
	Credit Cards	20	2,968.66			2,968.66				2,968.66					2,968.66
	Electronic	96	6,682.61				6,682.61			6,682.61					6,682.61
	Website	14	1,142.17					1,117.67		1,117.67	24.50				1,142.17
02/17/2012	Mail & Counter	258	22,104.18	22,104.18						22,104.18					22,104.18
	Credit Cards	18	1,712.05			1,712.05				1,712.05					1,712.05
	Electronic	211	14,665.63				14,665.63			14,665.63					14,665.63
	Website-50 fees	52	10,381.74					10,294.24		10,294.24	87.50				10,381.74
02/21/2012	Mail & Counter	622	65,754.09	65,754.09						65,754.09					65,754.09
	Credit Cards	32	3,179.55			3,179.55				3,179.55					3,179.55
	Electronic	225	15,990.56				15,990.56			15,990.56					15,990.56
	Website	25	2,004.75					1,961.00		1,961.00	43.75				2,004.75
	ACH Payment	449	20,123.99						20,123.99	20,123.99					20,123.99
02/22/2012	Mail & Counter	453	31,900.13	31,840.13						31,840.13	60.00				31,900.13
	Credit Cards	18	1,620.54			1,620.54				1,620.54					1,620.54
	Electronic	291	18,849.05				18,849.05			18,849.05					18,849.05
	Website	15	1,426.61					1,400.36		1,400.36	26.25				1,426.61
02/23/2012	Mail & Counter	187	14,197.56	14,197.56						14,197.56					14,197.56
	Credit Cards	12	1,258.79			1,258.79				1,258.79					1,258.79
	Electronic	117	8,135.50				8,135.50			8,135.50					8,135.50
	Website	12	1,154.65					1,133.65		1,133.65	21.00				1,154.65
02/24/2012	Mail & Counter	217	18,852.22	18,852.22						18,852.22					18,852.22
	Credit Cards	15	1,398.97			1,398.97				1,398.97					1,398.97
	Electronic	91	6,845.82				6,845.82			6,845.82					6,845.82
	Website	40	3,477.31					3,407.31		3,407.31	70.00				3,477.31
02/27/2012	Mail & Counter	330	41,064.15	41,064.15						41,064.15					41,064.15
	Credit Cards	16	1,499.35			1,499.35				1,499.35					1,499.35
	Electronic	99	6,916.57				6,916.57			6,916.57					6,916.57
	Website	17	1,551.92					1,522.17		1,522.17	29.75				1,551.92
	ACH payment	501	48,308.58						48,308.58	48,308.58					48,308.58
02/28/2012	Mail & Counter	361	48,756.06	48,756.06						48,756.06					48,756.06
	Credit Cards	17	2,222.15			2,222.15				2,222.15					2,222.15
	Electronic	187	12,519.12				12,519.12			12,519.12					12,519.12
	Website - 35 fees	36	3,087.16					3,025.91		3,025.91	61.25				3,087.16
02/29/2012	Mail & Counter	322	44,297.69	44,297.69						44,297.69					44,297.69
	Deposit-M/C	-	3,521.77							0.00		370.22	3,151.55		3,521.77
	Credit Cards	37	5,854.50			5,854.50				5,854.50					5,854.50
	Electronic	156	15,705.00				15,705.00			15,705.00					15,705.00
	Website	14	1,172.38					1,147.88		1,147.88	24.50				1,172.38
Feb-12	Utility Pmt Cntr-447			(34,170.56)	34,170.56					0.00					0.00
	Feb '12 NSF's		(1,881.31)							0.00					0.00
ARRA #19	$295,534 (2/23)									0.00					0.00
	TOTALS	14,615	1,506,570.54	886,568.47	34,170.56	60,711.61	265,015.53	52,168.27	182,254.94	1,480,889.38	1,087.00	11,646.42	14,829.05	0.00	1,508,451.85
	TOTAL # AR PAYMENTS			7,204	447	495	3,766	493	2,210	14,615					
	PERCENT OF TOTAL RECEIVED			49.29%	3.06%	3.39%	25.77%	3.37%	15.12%	100%					

FY 2012 - Water Revenue

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
02-40010	Sales - Water	6,000,000	1,799,636	615,247	460,874	339,522	360,253	224,132	3,799,664	63.33%
02-40011	Sales - Construction Water	31,000	5,720	3,292	1,221	472	653	312	11,671	37.65%
02-40012	Sales - Imported Water (SGPWA)	200,000	69,907	17,633	13,322	10,486	11,347	7,047	129,741	64.87%
02-40013	Sales - Imported Water (MUNI)	800,000	224,975	84,945	65,675	49,122	52,130	33,627	510,474	63.81%
02-40014	Sales Disc.-Multi Units Usage Chrg.	(130,000)	(33,055)	(11,220)	(9,659)	(9,897)	(10,509)	(6,554)	(80,895)	62.23%
02-40015	Water Wholesale Revenue	60,000	10,639	3,276	2,777	23,263	3,050	2,617	45,622	76.04%
02-40016	Service Establishment Fee	100	0	50	0	25	0	0	75	75.00%
02-41000	Service Demand Charges	2,300,000	400,045	192,752	193,100	193,212	193,214	193,244	1,365,566	59.37%
02-41001	Fire Service Standby Fees	15,000	3,311	1,526	1,331	1,549	1,328	1,661	10,705	71.36%
02-41003	Construction Service Charge	10,000	1,562	697	651	656	518	683	4,766	47.66%
02-41005	Sales Disc-Multi Units Service Chrg.	(92,000)	(18,622)	(8,941)	(8,941)	(8,941)	(8,941)	(8,941)	(63,326)	68.83%
02-41010	Unauthorized Use of Water Charge	1,500	750	0	0	0	0	0	750	50.00%
02-41110	Meter/Lateral installation	2,500	1,125	3,375	0	0	0	0	4,500	180.00%
02-41112	Fire Flow Measurements & Reports	1,900	450	150	225	75	75	0	975	51.32%
02-41113	Disconnect/Reconnect Fees	100,000	31,700	11,400	12,470	8,785	10,865	11,140	86,360	86.36%
02-41121	Delinquent Payment Charges	125,000	41,301	20,118	15,417	10,192	8,016	11,087	106,131	84.90%
02-41124	Bad Debt	0	0	0	0	0	0	0	0	
02-42123	Management & Accounting Fees	733,170	183,288	61,098	61,098	61,098	61,098	61,098	488,778	66.67%
02-43010	Interest Earned	10,000	327	581	25	556	1,745	0	3,234	32.34%
02-43110	Property Tax - Unsecured	100,000	0	5,882	0	42,312	9	0	48,203	48.20%
02-43120	Property Tax - Secured	2,050,000	0	0	0	423,213	270,240	0	693,453	33.83%
02-43130	Tax Collection - Prior	60,000	0	5,854	0	2,797	1,517	0	10,169	16.95%
02-43140	Other Taxes (including homeowners)	90,000	0	0	0	9,204	66,967	0	76,171	84.63%
02-49150	Revenue - Misc. Non-Operating	35,000	14,479	2,086	2,335	3,805	2,124	2,305	27,133	77.52%
	WATER OPERATING REVENUE	12,503,170	2,737,537	1,009,801	811,921	1,161,505	1,025,699	533,457	7,279,920	58.22%
02-82002	Grants (FEMA)	0	1,940	0	1,155	0	0	0	3,095	
02-89901	Facility Capacity Charges	0	0	130,087	0	0	0	0	130,087	
02-89902	Sustainability	0	0	10,453	0	0	0	0	10,453	
	TOTAL WATER REVENUE	12,503,170	2,739,477	1,150,340	813,076	1,161,505	1,025,699	533,457	7,423,554	

FY 2012 - Sewer Revenue

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
03-40016	Sales - Establish Service Fee	100	0	0	0	0	0	0	0	0.00%
03-41000	Sales - Sewer Charges	10,425,000	2,023,982	871,186	870,979	873,133	865,089	849,464	6,353,833	60.95%
03-41005	Sales Disc-Multi Units Service Chrg.	(200,000)	(39,379)	(17,038)	(17,006)	(17,027)	(17,001)	(17,018)	(124,469)	62.23%
03-41110	Meter/Lateral Installation	1,000	0	0	0	0	0	0	0	0.00%
03-41121	Penalty Late Charges	130,000	31,494	12,923	13,546	10,664	11,329	13,405	93,361	71.82%
03-41124	Bad Debt	0	0	0	0	0	0	0	0	
03-41131	Front Footage Fees	0	0	0	0	0	0	0	0	
03-42122	Revenue - other operating	1,000	180	360	0	0	0	0	540	54.00%
03-43010	Interest Earned	10,000	191	0	0	0	1,311	0	1,502	15.02%
03-43110	Property Tax - Unsecured	50,000	0	0	0	50,000	0	0	50,000	100.00%
03-43120	Property Tax - Secured	450,000	0	0	0	450,000	0	0	450,000	100.00%
03-43130	Tax Collection - Prior	15,000	0	0	0	7,500	0	0	7,500	50.00%
03-43140	Other Taxes (including homeowners)	1,500	0	0	0	1,500	0	0	1,500	100.00%
03-49150	Misc. Non-Oper Revenue	25,000	0	0	0	17,614	134,987	4,152	156,752	627.01%
	SEWER OPERATING REVENUE	10,908,600	2,016,468	867,431	867,518	1,393,385	995,716	850,002	6,990,520	64.08%
03-82001	Grants - EPA	0	0	0	0	0	1,524	0	1,524	
03-82003	Grants - ARRA	0	55,243	0	261,650	245,984	381,447	295,534	1,239,858	
03-82004	Grants - Prop 50	0	0	0	0	0	301,762	0	301,762	
03-89901	Facility Capacity Charges	0	0	157,839	0	0	0	29,732	187,571	
8990540016	Contrib Capital-Infrastructure	0	0	0	0	0	0	(54,835)	(54,835)	
	TOTAL SEWER REVENUE	10,908,600	2,071,711	1,025,270	1,129,168	1,639,369	1,680,448	1,120,433	8,666,399	

FY 2012 - Recycled Water Revenue

ACCOUNT#	Description	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
04-40010	Sales - Recycled Water	220,000	**116,823**	36,218	20,351	9,687	13,124	11,826	**208,030**	94.56%
04-40011	Sales - Construction Water	2,500	**250**	289	55	4	3	0	**602**	24.07%
04-41000	Sales - Service Demand Chrg.	27,500	**5,632**	3,158	3,056	3,019	3,136	3,079	**21,080**	76.65%
04-41003	Const. Water Minimum Chrg.	4,000	**490**	285	262	221	193	214	**1,665**	41.63%
04-41121	Penalty - Late Charge	500	**42**	8	6	8	27	17	**107**	21.46%
04-43010	Interest Earned	50	**0**	0	0	0	75	0	**75**	150.40%
04-43110	Property Tax - Unsecured	500	**0**	0	0	500	0	0	**500**	100.00%
04-43120	Property Tax - Secured	10,000	**0**	0	0	10,000	0	0	**10,000**	100.00%
04-43130	Property Tax - Prior	100	**0**	0	0	100	0	0	**100**	100.00%
04-43140	Other Taxes (including homeowners)	100	**0**	0	0	100	0	0	**100**	100.00%
04-49150	Misc. Non-Operating Revenue	0	**0**	0	600	600	0	0	**1,200**	
RECYCLED WATER OPERATING REVENUE		**265,250**	**123,238**	**39,958**	**24,331**	**24,240**	**16,558**	**15,135**	**243,459**	**91.78%**
04-82001	Grants-EPA #XP989384-01	**0**	**0**	0	0	0	41,462	0	**41,462**	
04-89901	Facility Capacity Charges	**0**	**0**	0	0	19,521	0	0	**19,521**	
TOTAL RECYCLED WATER REVENUE		**265,250**	**123,238**	**39,958**	**24,331**	**43,761**	**58,019**	**15,135**	**304,441**	

FY 2012 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
02-5-01-50010	Labor-Water Resources	635,700	**135,462**	45,530	44,599	69,321	46,986	45,790	**387,688**	60.99%
02-5-01-50011	Labor Credit	0	**0**	0	0	0	0	0	0	
02-5-01-50013	Benefits-Fica	48,630	**11,207**	3,781	3,698	5,422	3,912	3,840	**31,860**	65.52%
02-5-01-50014	Benefits-Life Insurance	3,420	**761**	255	258	249	256	256	**2,035**	59.50%
02-5-01-50016	Benefits-Health\Defrd Comp	90,175	**25,822**	8,920	8,800	9,870	8,973	8,973	**71,358**	79.13%
02-5-01-50017	Benefits-Disability Insurance	7,650	**2,473**	824	771	960	752	743	**6,523**	85.26%
02-5-01-50019	Benefits-Workers Compensation	33,700	**3,500**	1,618	1,855	5,579	2,021	(4,648)	**9,925**	29.45%
02-5-01-50021	Benefits-PERS	44,500	**8,380**	2,961	2,775	4,384	3,025	2,993	**24,518**	55.10%
02-5-01-50022	Benefits-PERS-Employer	85,885	**16,216**	5,714	5,355	8,461	5,839	5,776	**47,362**	55.15%
02-5-01-50023	Benefits-Uniforms	2,850	**655**	226	130	155	131	124	**1,421**	49.87%
02-5-01-50024	Benefits-Vacation & Sick Pay	20,000	**1,470**	389	416	982	655	927	**4,839**	24.19%
02-5-01-50025	Benefits-Boot Allowance	1,425	**600**	150	0	0	150	0	**900**	63.16%
02-5-01-51003	R&M - Structures	200,000	**60,997**	8,015	18,014	46,963	11,339	12,682	**158,009**	79.00%
02-5-01-51011	R&M - CLA Valves	15,000	**0**	4,941	36	2,586	0	0	**7,563**	50.42%
02-5-01-51140	General Supplies & Expenses	2,000	**336**	688	0	587	0	21	**1,631**	81.54%
02-5-01-51210	Utilities - Power Purchases	1,500,000	**357,907**	207,098	98,481	58,177	94,019	60,767	**876,449**	58.43%
02-5-01-51211	Utilities - Electricity & Fuel	4,000	**860**	433	348	336	448	251	**2,677**	66.92%
02-5-01-51316	Imported Water Purchases	1,000,000	**312,375**	81,407	80,188	81,214	57,737	0	**612,921**	61.29%
02-5-01-54019	Licenses & Permits	25,000	**25,403**	0	1,249	1,969	60	1,250	**29,931**	119.73%
02-5-01-54110	Laboratory Services	90,000	**9,682**	1,975	2,767	4,093	3,858	2,824	**25,199**	28.00%
02-5-01-57040	YVRWFF Operating Expense	550,000	**182,227**	49,532	58,869	50,672	38,750	15,847	**395,896**	71.98%
	WATER RESOURCE TOTALS	**4,359,935**	**1,156,332**	**424,457**	**328,609**	**351,981**	**278,910**	**158,414**	**2,698,703**	**61.90%**
02-5-03-50010	Labor-Public Works	945,340	**180,132**	65,074	66,775	89,724	60,861	59,272	**521,836**	55.20%
02-5-03-50011	Labor Credit	0	**(4,064)**	0	(1,068)	(18,977)	(7,543)	20,605	**(11,048)**	
02-5-03-50013	Benefits-Fica	72,320	**14,746**	5,376	5,499	7,377	5,051	4,929	**42,978**	59.43%
02-5-03-50014	Benefits-Life Insurance	6,160	**1,264**	424	426	420	365	396	**3,295**	53.49%
02-5-03-50016	Benefits-Health\Defrd Comp	162,315	**44,049**	16,276	16,357	17,161	12,953	15,136	**121,933**	75.12%
02-5-03-50017	Benefits-Disability Insurance	11,345	**3,872**	1,184	1,202	1,398	964	966	**9,586**	84.50%
02-5-03-50019	Benefits-Workers Compensation	50,100	**4,215**	1,618	3,849	4,970	3,403	(3,180)	**14,875**	29.69%
02-5-03-50021	Benefits-PERS	66,175	**11,269**	4,086	3,983	5,585	3,880	3,880	**32,683**	49.39%
02-5-03-50022	Benefits-PERS Employer	127,715	**21,816**	7,885	7,687	10,779	7,489	7,489	**63,145**	49.44%
02-5-03-50023	Benefits-Uniforms	20,000	**1,193**	283	357	441	388	373	**3,034**	15.17%
02-5-03-50024	Benefits-Vacation & Sick Pay	5,130	**193**	387	193	387	387	387	**1,933**	37.68%
02-5-03-50025	Benefits-Boot Allowance	2,565	**289**	424	500	327	199	178	**1,918**	74.76%
02-5-03-51001	R & M -Vehicles & Equipment	170,000	**34,942**	16,065	10,345	22,611	26,660	5,237	**115,861**	68.15%
02-5-03-51011	R&M - Valves	10,000	**0**	571	689	(4,364)	(2,553)	0	**(5,658)**	-56.58%
02-5-03-51020	R&M - Pipelines	275,000	**50,081**	34,406	18,455	20,237	16,261	17,805	**157,246**	57.18%
02-5-03-51021	R&M - Service Lines	125,000	**26,838**	18,658	6,969	6,306	2,124	5,226	**66,121**	52.90%
02-5-03-51022	R&M - Fire Hydrants	25,000	**(1,837)**	2,385	3,500	2,544	(2,212)	5,166	**9,545**	38.18%
02-5-03-51030	R&M - Water Meters	70,000	**8,637**	12,682	6,317	1,686	1,812	9,882	**41,016**	58.59%
02-5-03-51092	Equipment Credits	0	**(1,913)**	0	(391)	(6,696)	(2,682)	3,500	**(8,182)**	
02-5-03-51140	General Supplies & Expenses	3,000	**51**	0	0	0	0	0	**51**	1.69%
	PUBLIC WORKS TOTALS	**2,147,165**	**395,774**	**187,784**	**151,644**	**161,914**	**127,807**	**157,247**	**1,182,170**	**55.06%**

FY 2012 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
02-5-06-50010	Labor-Administration	745,830	133,859	46,412	46,402	70,749	46,523	46,435	390,381	52.34%
02-5-06-50011	Labor Credit	0	0	0	0	(157)	0	0	(157)	
02-5-06-50012	Director Fees	15,000	2,249	1,641	1,337	1,580	1,276	1,276	9,360	62.40%
02-5-06-50013	Benefits-Fica	57,050	10,201	3,574	3,496	4,886	4,089	4,084	30,331	53.17%
02-5-06-50014	Benefits-Life Insurance	3,640	865	290	290	283	290	290	2,308	63.41%
02-5-06-50016	Benefits-Health\Defrd Comp	95,870	33,853	12,272	12,227	13,984	12,523	11,782	96,640	100.80%
02-5-06-50017	Benefits-Disability Insurance	8,950	1,588	701	675	747	732	732	5,175	57.83%
02-5-06-50019	Benefits-Workers Compensation	39,530	1,800	1,618	572	1,735	588	(2,590)	3,722	9.42%
02-5-06-50021	Benefits-PERS	52,200	9,190	3,208	3,208	4,820	3,225	3,225	26,876	51.49%
02-5-06-50022	Benefits PERS Employer	138,550	17,787	6,192	6,192	9,303	6,224	6,224	51,922	37.48%
02-5-06-50023	Uniforms	3,030	496	206	114	142	114	114	1,185	39.10%
02-5-06-50024	Benefits-Vacation & Sick Pay	15,000	2,099	713	705	1,312	1,119	1,149	7,097	47.31%
02-5-06-50025	Benefits-Boots	1,515	150	296	0	0	0	0	446	29.43%
02-5-06-51003	R&M - Structures	20,000	7,472	(1,157)	1,157	(590)	7,738	243	14,864	74.32%
02-5-06-51091	Expense Credits (overhead)	0	(1,228)	0	(148)	(5,979)	(1,799)	3,500	(5,654)	
02-5-06-51120	Safety Equipment/Supplies	25,000	8,331	1,448	931	1,385	974	871	13,940	55.76%
02-5-06-51125	Petroleum Products	110,000	29,956	14,427	7,166	8,254	8,432	5,637	73,870	67.15%
02-5-06-51130	Office Supplies & Expenses	40,000	15,353	4,296	985	1,231	2,059	810	24,734	61.84%
02-5-06-51140	General Supplies & Expenses	30,000	845	4,579	1,775	441	4,516	1,176	13,332	44.44%
02-5-06-51211	Utilities - Electricity	26,000	6,869	3,178	1,886	1,640	1,552	1,500	16,625	63.94%
02-5-06-51213	Utilities - Natural Gas	5,000	115	81	328	591	354	0	1,468	29.37%
02-5-06-54002	Dues & Subscriptions	10,000	262	2,291	913	1,096	1,498	2,413	8,472	84.72%
02-5-06-54005	Computer Expenses	75,000	15,813	2,430	9,710	12,854	4,039	1,625	46,471	61.96%
02-5-06-54010	Postage	6,500	391	94	276	143	2,362	110	3,376	51.93%
02-5-06-54011	Printing & Publications	20,000	5,799	73	0	0	0	73	5,945	29.72%
02-5-06-54012	Education & Training	30,000	1,967	487	399	1,012	560	2,652	7,077	23.59%
02-5-06-54013	Utility Billing Expenses	135,000	33,408	11,364	10,557	10,432	10,554	5,363	81,678	60.50%
02-5-06-54014	Public Relations	25,000	1,233	1,062	0	150	0	66	2,511	10.04%
02-5-06-54015	Rents & Leases	3,500	999	197	197	0	204	0	1,596	45.60%
02-5-06-54016	Travel Related Expenses	7,500	77	18	39	27	35	1,019	1,214	16.19%
02-5-06-54017	Certifications & Renewals	6,000	460	365	755	130	250	370	2,330	38.83%
02-5-06-54020	Meeting Related Expenses	4,000	885	180	184	342	738	311	2,640	66.00%
02-5-06-54024	Utilities - Waste Disposal	2,500	476	159	159	159	159	0	1,110	44.41%
02-5-06-54025	Utilities - Telephone	35,000	7,257	2,265	2,621	2,483	2,512	1,450	18,588	53.11%
02-5-06-54104	Contractual Services	70,000	24,302	2,774	2,285	2,547	9,047	1,218	42,172	60.25%
02-5-06-54107	Legal	45,000	10,364	2,833	4,095	3,283	5,586	0	26,160	58.13%
02-5-06-54108	Audit & Accounting	16,000	14,750	1,123	0	0	0	0	15,873	99.20%
02-5-06-54109	Professional Fees	100,000	40,152	5,229	8,597	7,891	7,503	2,500	71,871	71.87%
02-5-06-55500	Depreciation Reserves	375,095	93,773	31,258	31,258	31,258	31,258	31,258	250,063	66.67%
	Infrastructure Replacement	397,935	99,486	33,161	33,161	33,161	33,161	33,161	265,291	66.67%
02-5-06-56001	Insurance	120,000	29,787	9,324	9,324	9,324	9,324	9,404	76,487	63.74%
02-5-06-57030	Regulatory Compliance	95,000	213	0	0	278	0	0	491	0.52%
02-5-06-57096	Beaumont Basin Watermaster	10,000	0	0	0	0	0	0	0	0.00%
02-5-06-57100	County Tax Collector Fees	7,500	371	30	0	2,491	733	0	3,624	48.32%
02-5-06-57199	Suspense	0	0	(3,203)	3,203	0	(9,979)	9,979	0	
	ADMINISTRATION TOTALS	**3,028,695**	**664,074**	**207,487**	**207,028**	**235,418**	**210,069**	**189,430**	**1,713,505**	**56.58%**

FY 2012 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
02-5-40-57001	Asset Acq. - Water Resources	0	0	0	0	0	0	0	0	
02-5-40-57003	Asset Acq. - Public works	0	0	0	0	0	0	0	0	
02-5-40-57006	Asset Acq. - Administration	35,000	23,451	0	0	15,771	0	0	39,222	112.06%
02-5-40-57201	Debt Srv-Series 2004A Princ.(25009)	920,000	920,000	0	0	0	0	0	920,000	100.00%
02-5-40-57402	Interest-Long-Term Debt Bonds	2,012,375	1,014,813	0	0	0	0	997,563	2,012,375	100.00%
	40 - Debt & Capital Outlay	2,967,375	1,958,263	0	0	15,771	0	997,563	2,971,597	100.14%
	TOTAL WATER EXPENSES	12,503,170	4,174,444	819,728	687,280	765,084	616,785	1,502,653	8,565,975	68.51%

FY 2012 - Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
03-5-02-50010	Labor-WW Treatment	899,200	**177,500**	62,694	68,527	97,602	65,426	64,453	**536,202**	59.63%
03-5-02-50013	Benefits-Fica	68,800	**14,804**	5,265	5,710	7,807	5,411	5,343	**44,340**	64.45%
03-5-02-50014	Benefits-Life Insurance	4,500	**1,016**	340	343	334	341	341	**2,714**	60.30%
03-5-02-50016	Benefits-Health\Defrd Comp	118,650	**35,675**	12,693	12,573	14,438	12,773	12,773	**100,925**	85.06%
03-5-02-50017	Benefits-Disability Insurance	10,800	**3,285**	1,140	1,169	1,374	1,029	1,019	**9,014**	83.47%
03-5-02-50019	Benefits-Workers Compensation	47,700	**3,500**	1,618	3,148	1,831	3,195	(3,492)	**9,800**	20.55%
03-5-02-50021	Benefits-PERS	62,950	**11,863**	4,194	4,224	6,313	4,259	4,226	**35,080**	55.73%
03-5-02-50022	Benefits-PERS Employer	121,500	**22,962**	8,095	8,153	12,184	8,220	8,157	**67,771**	55.78%
03-5-02-50023	Benefits-Uniforms	3,750	**997**	288	284	349	286	294	**2,498**	66.61%
03-5-02-50024	Benefits-Vacation & Sick Pay	15,000	**1,283**	468	552	828	365	449	**3,945**	26.30%
03-5-02-50025	Benefits-Boot Allowance	1,875	**254**	150	164	150	300	0	**1,018**	54.29%
03-5-02-51003	R&M - Structures	200,000	**23,411**	10,915	16,898	13,765	17,744	30,653	**113,385**	56.69%
03-5-02-51010	R&M - Automation Control	85,000	**5,092**	9,893	5,218	3,352	8,675	6,677	**38,906**	45.77%
03-5-02-51106	Chemicals	600,000	**131,976**	42,631	55,120	32,675	32,681	21,641	**316,723**	52.79%
03-5-02-51111	Propane	2,500	**3,053**	0	3,144	0	0	0	**6,197**	247.88%
03-5-02-51115	Laboratory Supplies	30,000	**6,067**	2,557	(309)	1,824	4,019	695	**14,852**	49.51%
03-5-02-51140	General Supplies & Expenses	1,000	**147**	0	0	0	0	0	**147**	14.73%
03-5-02-51210	Utilities - Power Purchases	690,000	**186,288**	64,793	50,918	51,274	8,548	42,100	**403,922**	58.54%
03-5-02-54110	Laboratory Services	120,000	**20,849**	11,994	7,719	7,810	5,618	8,506	**62,496**	52.08%
03-5-02-57031	Sludge Disposal	300,000	**75,017**	24,028	26,949	27,084	26,960	0	**180,038**	60.01%
03-5-02-57033	Brine Disposal	30,000	**0**	10,290	0	0	0	0	**10,290**	**34.30%**
	TREATMENT TOTALS	**3,413,225**	**725,036**	**274,046**	**270,504**	**280,994**	**205,848**	**203,835**	**1,960,262**	57.43%

FY 2012 Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
03-5-06-50010	Labor-Administration	708,050	**121,149**	42,781	42,771	65,302	42,891	42,804	**357,699**	50.52%
03-5-06-50012	Directors Fees	15,000	**2,249**	1,641	1,337	1,580	1,276	1,276	**9,360**	62.40%
03-5-06-50013	Benefits-Fica	54,170	**9,163**	3,280	3,203	4,438	3,794	3,790	**27,668**	51.08%
03-5-06-50014	Benefits-Life Insurance	3,500	**867**	290	290	284	290	290	**2,312**	66.05%
03-5-06-50016	Benefits-Health\Defrd Comp	92,075	**33,167**	12,114	12,069	13,598	12,348	11,607	**94,902**	103.07%
03-5-06-50017	Benefits-Disability Insurance	8,500	**1,974**	655	629	716	694	693	**5,361**	63.07%
03-5-06-50019	Benefits-Workers Compensation	37,530	**3,200**	1,618	2,286	2,438	2,187	(989)	**10,740**	28.62%
03-5-06-50021	Benefits-PERS	49,570	**8,464**	2,954	2,954	4,439	2,971	2,971	**24,753**	49.93%
03-5-06-50022	Benefits PERS Employer	95,660	**16,383**	5,701	5,701	8,567	5,733	5,733	**47,819**	49.99%
03-5-06-50023	Benefits-Uniforms	2,910	**281**	86	91	127	91	81	**758**	26.06%
03-5-06-50024	Benefits-Vacation & Sick Pay	10,000	**2,099**	713	705	1,312	1,119	1,149	**7,097**	70.97%
03-5-06-50025	Benefits-Boot Allowance	1,455	**0**	0	0	0	0	0	**0**	0.00%
03-5-06-51120	Safety Equipment/Supplies	7,500	**5,704**	82	0	0	493	998	**7,276**	97.02%
03-5-06-51125	Petroleum Products	17,500	**3,000**	1,279	3,132	(729)	1,864	1,000	**9,546**	54.55%
03-5-06-51130	Office Supplies	5,000	**1,176**	43	157	0	80	0	**1,456**	29.13%
03-5-06-51140	General Supplies & Expenses	7,500	**129**	3,772	1,700	42	3,843	18	**9,503**	126.70%
03-5-06-54002	Dues & Subscriptions	10,000	**476**	2,555	1,226	858	2,342	2,106	**9,561**	95.61%
03-5-06-54003	Management & Admin Services	733,170	**183,288**	61,098	61,098	61,098	61,098	61,098	**488,778**	66.67%
03-5-06-54005	Computer Expenses	70,000	**9,296**	1,138	4,202	18,900	3,499	1,615	**38,650**	55.21%
03-5-06-54011	Printing & Publications	7,500	**5,799**	73	0	0	0	73	**5,945**	79.27%
03-5-06-54012	Education & Training	20,000	**1,775**	175	200	175	560	2,652	**5,537**	27.68%
03-5-06-54014	Public Relations	8,000	**897**	1,007	0	0	0	30	**1,933**	24.16%
03-5-06-54016	Travel Related Expenses	8,500	**1,052**	93	2,240	72	73	1,019	**4,549**	53.52%
03-5-06-54017	Certifications & Renewals	5,500	**365**	0	480	0	1,019	95	**1,959**	35.62%
03-5-06-54019	Licenses & Permits	42,500	**4,109**	0	39,787	0	1,977	0	**45,873**	107.94%
03-5-06-54020	Meeting Related Expenses	2,500	**808**	151	137	368	775	270	**2,509**	100.35%
03-5-06-54024	Utilities - Waste Disposal	12,500	**2,850**	945	945	945	945	0	**6,630**	53.04%
03-5-06-54025	Utilities - Telephone	16,500	**4,523**	1,514	1,543	1,853	1,618	991	**12,042**	72.98%
03-5-06-54030	Drinking Water	1,000	**217**	56	98	35	77	56	**539**	53.90%
03-5-06-54104	Contractual Services	30,000	**13,848**	1,230	1,103	1,228	5,528	935	**23,872**	79.57%
03-5-06-54107	Legal	45,000	**10,461**	2,865	5,785	3,510	4,546	0	**27,168**	60.37%
03-5-06-54108	Audit & Accounting	16,000	**14,750**	1,123	0	0	0	0	**15,873**	99.20%
03-5-06-54109	Professional Fees	300,000	**115,525**	58,099	88,108	65,895	8,553	2,500	**338,679**	112.89%
03-5-06-55500	Depreciation Reserves	327,260	**81,812**	27,272	27,272	27,272	27,272	27,272	**218,172**	66.67%
	Infrastructure Replacement	786,300	**196,575**	65,525	65,525	65,525	65,525	65,525	**524,200**	66.67%
03-5-06-56001	Insurance	115,000	**28,379**	9,324	9,324	9,324	9,324	9,324	**74,999**	65.22%
03-5-06-57030	Regulatory Compliance	50,000	**21,447**	42,000	0	278	0	0	**63,725**	127.45%
03-5-06-57100	County Tax Collection Fees	1,200	**0**	0	0	0	0	0	**0**	0.00%
	ADMINISTRATION TOTALS	**3,724,350**	**907,255**	**353,251**	**386,099**	**359,451**	**274,406**	**246,981**	**2,527,442**	**67.86%**

FY 2012 - Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
03-5-07-50010	Labor-Enviromental Control	213,570	42,577	14,418	14,389	23,212	14,660	14,096	123,352	57.76%
03-5-07-50011	Labor Credit	0	0	0	0	(302)	0	0	(302)	
03-5-07-50013	Benefits-Fica	16,340	3,364	1,128	1,125	1,852	1,147	1,103	9,719	59.48%
03-5-07-50014	Benefits-Life Insurance	1,400	254	85	85	83	85	85	678	48.41%
03-5-07-50016	Benefits-Health\Defrd Comp	37,020	10,118	3,423	3,423	3,980	3,458	3,458	27,861	75.26%
03-5-07-50017	Benefits-Disability Insurance	2,565	737	249	248	368	222	216	2,040	79.53%
03-5-07-50019	Benefits-Workers Compensation	11,320	2,000	1,618	1,050	1,728	1,070	(971)	6,495	57.38%
03-5-07-50021	Benefits-PERS	14,950	2,483	870	870	1,305	870	870	7,267	48.61%
03-5-07-50022	Benefits-PERS Employer	28,855	4,806	1,679	1,679	2,518	1,679	1,679	14,039	48.65%
03-5-07-50023	Benefits-Uniforms	1,170	354	104	104	130	105	104	900	76.88%
03-5-07-50024	Benefits-Vacation & Sick Pay	6,000	0	0	0	0	0	0	0	0.00%
03-5-07-50025	Benefits-Boot Allowance	585	300	0	0	0	0	0	300	51.28%
03-5-07-51003	R&M - Structures	320,000	76,469	30,860	16,612	16,783	29,963	11,347	182,033	56.89%
03-5-07-51140	General Supplies & Expenses	1,000	0	0	709	0	1,053	241	2,003	200.30%
03-5-07-51241	Lift Station #1	70,000	15,271	11,643	2,928	2,415	18,456	2,408	53,121	75.89%
03-5-07-51242	Lift Station #2	12,000	1,731	1,576	822	763	734	718	6,344	52.86%
03-5-07-51243	Lift Station #3	7,500	651	236	261	0	394	0	1,542	20.56%
03-5-07-51244	Lift Station #4	20,000	1,324	1,874	1,107	1,050	1,020	1,006	7,381	36.91%
03-5-07-51245	Lift Station #5	5,000	193	98	87	77	74	83	613	12.25%
03-5-07-51248	Lift Station #8	3,000	100	50	48	43	41	45	327	10.89%
03-5-07-54109	Professional Fees	50,000	0	8,065	7,384	11,119	7,484	4,140	38,192	76.38%
03-5-07-54110	Laboratory Services	2,500	0	0	0	0	358	0	358	14.32%
	ENVIRONMENTAL CONTROL TOTAL	824,775	162,731	77,976	52,930	67,123	82,873	40,629	484,261	58.71%
03-5-40-57002	Asset Acq. - Treatment		0	0	0	0	0	0	0	
03-5-40-57006	Asset Acq. - Administration		0	0	0	0	0	0	0	
03-5-40-57007	Asset Acq. - Environmental Control		0	0	0	58,829	0	0	58,829	
			0					0		
03-5-40-57009	Plant Support (03-13105 Sari Line)	19,710	0	0	0	0	0	0	0	0.00%
03-5-40-57202	Debt Service - Principal	1,909,500	1,907,783	0	0	0	0	0	1,907,783	99.91%
03-5-40-57403	Debt Service - Interest	1,017,040	1,015,886	0	0	0	0	0	1,015,886	99.89%
	Debt & Capital Outlay	2,946,250	2,923,669	0	0	58,829	0	0	2,982,497	101.23%
	TOTAL SEWER EXPENSES	10,908,600	4,718,691	705,272	709,532	766,397	563,126	491,445	7,954,463	72.92%

FY 2012 - Recycled WaterExpenses

ACCOUNT#	Description	BUDGET	Qtr 1 Totals	Oct '11	Nov '11	Dec '11	Jan '12	Feb '12	Year to Date	Percentage YTD
04-5-06-50010	Labor-Recycled Water	76,900	0	0	0	0	0	0	0	0.00%
04-5-06-50012	Director Fees	2,500	0	0	0	0	0	0	0	0.00%
04-5-06-50013	Benefits-FICA	6,655	0	0	0	0	0	0	0	0.00%
04-5-06-50014	Benefits-Life Insurance	440	0	0	0	0	0	0	0	0.00%
04-5-06-50016	Benefits-Health & Def Comp	8,890	1,110	370	370	370	370	370	2,961	33.31%
04-5-06-50017	Benefits-Disability Insurance	1,085	0	0	0	0	0	0	0	0.00%
04-5-06-50019	Benefits-Workers Compensation	4,610	0	0	0	0	0	0	0	0.00%
04-5-06-50021	Benefits-PERS Employee	6,090	0	0	0	0	0	0	0	0.00%
04-5-06-50022	Benefits-PERS Employer	9,250	0	0	0	0	0	0	0	0.00%
04-5-06-50023	Benefits-Uniforms	360	0	0	0	0	0	0	0	0.00%
04-5-06-50024	Benefits-Vacation & Sick Pay	1,250	0	0	0	0	0	0	0	0.00%
04-5-06-50025	Benefits-Boots	150	0	0	0	0	0	0	0	0.00%
04-5-06-51003	R & M-Structures	25,000	500	378	0	6,668	0	0	7,546	30.18%
04-5-06-51020	R & M-Pipelines	5,000	0	0	0	0	0	0	0	0.00%
04-5-06-51021	R & M-Service Lines	5,000	0	0	0	0	0	0	0	0.00%
04-5-06-51022	R & M-Fire Hydrants	1,000	0	0	0	0	0	0	0	0.00%
04-5-06-51030	R & M-Meters	500	0	0	0	0	0	0	0	0.00%
04-5-06-51140	General Supplies & Expenses	250	0	0	0	0	0	0	0	0.00%
04-5-06-54002	Dues & Subscriptions	750	0	0	0	0	748	0	748	99.67%
04-5-06-54005	Computer Expense	1,000	1,167	1,711	0	0	0	0	2,878	287.79%
04-5-06-54011	Printing & Publications	250	0	0	0	0	0	0	0	0.00%
04-5-06-54012	Education & Training	2,500	0	1,200	0	1,420	0	240	2,860	114.39%
04-5-06-54014	Public Relations	5,000	1,101	984	0	0	0	0	2,085	41.71%
04-5-06-54016	Travel Related Expenses	1,500	0	664	0	0	0	343	1,007	67.14%
04-5-06-54017	Certifications & Renewals	250	0	0	0	0	0	0	0	0.00%
04-5-06-54019	Licenses & Permits	2,500	0	0	0	0	1,323	0	1,323	52.92%
04-5-06-54020	Meeting Related Expenses	500	0	0	133	177	35	0	344	68.88%
04-5-06-54025	Telephone	500	169	58	55	56	56	0	394	78.75%
04-5-06-54010	Contractural Services	1,750	0	0	0	0	1,803	0	1,803	103.05%
04-5-06-54107	Legal	2,000	0	0	0	0	0	0	0	0.00%
04-5-06-54109	Professional Fees	10,000	1,813	3,757	1,449	1,149	0	0	8,168	81.68%
04-5-06-54110	Laboratory Services	1,000	0	0	0	0	0	0	0	0.00%
04-5-06-55500	Depreciation	7,900	1,986	662	662	662	662	662	5,296	67.04%
	Infrastructure Replacement	52,920	13,230	4,410	4,410	4,410	4,410	4,410	35,280	66.67%
04-5-06-57030	Regulatory Compliance	20,000	0	0	0	0	0	0	0	0.00%
TOTAL RECYCLED WATER EXPENSES		265,250	21,077	14,194	7,080	14,912	9,407	6,025	72,694	27.41%

Yucaipa Valley Water District

Workshop Memorandum 12-061

Date: **March 13, 2012**

Subject: **Renewal of Medical Insurance**

The District staff is in the process of obtaining and reviewing information from medical insurance providers for the renewal of medical benefits on April 1, 2012. Information regarding this agenda item will be distributed at the board workshop.