Engineering Resources of Southern California

Pine Cove Water District
Attention: Members of the Board
P.O. Box 2296
Idyllwild, CA 92549

SUBJECT: SYSTEM REVIEW

Gentlemen:

Engineering Resources of Southern California, Inc.(ERSC), represented by the undersigned is retained as District Engineer. In that role we have been asked to review and provide our assessment of the District's water assets and operation. Assets include the physical features, staff and financial resources. To this end comments are provided concerning system facilities in use, system condition and adequacy.

SYSTEM FACILITIES

Physical facilities are generally apparent and include water source features, distribution, treatment and storage. Concerning water source, review by the writer of a letter of 2004 revealed water production at that time in the range of 38 to 41 million gallons per year. In recent years production has been about 31 to 32 million gallons. Water use has declined to just below 30 million gallons per year, due, it is believed, to conservation measures and to the reduction in full-time occupancy to approximately 40%, according to District staff. With this use it is estimated that peak day use is likely approximately 200,000 gallons equivalent to 140 gallons per minute (gpm).

From consultation and information received from District staff, the District currently has 15 operating wells capable of producing 216,000 to 432,000 gallons per day (gpd) using a prudent running time so as not to over pump. Prudent design and planning dictates the need that source capacity should be adequate while discounting the largest of the producers, to provide peak day use. As the District's wells generally produce in the range of 20 to 50 gpm, this criterion is well covered.

Distribution system consists of the pipeline network in place underground to convey water from the wells to users. For the District all well discharges are to one half to treatment plants with treated effluent delivered to a storage reservoir or into the distribution system. It is estimated that the District pipeline network totals approximately 105,000 linear feet of 4-inch 6-inch and 8-inch pipe. Pipelines have a life varying from 40 to 75 years depending on the material and installation techniques. District staff has in place, and has been implementing, a policy of replacing approximately 2,000 to 3,000 linear feet per year which matches the rate of obsolescence.

Treatment of all of the District well output is achieved by treatment, most by the aeration plant located on the Rocky Point reservoir site above reservoir high water level. This plant was constructed in 1997 to reduce carbon dioxide to raise the pH to reduce the aggressiveness of the water. The District completed a second treatment plant in the Dutch Flats area to treat wells in that area for the same purpose, as well as iron and manganese removal, with water delivered to the Highway Tanks. Interesting aspect of these treatment plants is that they were virtually totally constructed by District staff with little outside contract help.

District water storage now totals 3.1 million gallons with 2.9 million gallons at the Rocky Point Site and 200,000 gallons at the Highway Site. What amount of storage is appropriate for the District to maintain? Criteria was explored and developed in a previous communication to the District, letter of 2004, resulting in the recommendation that storage in the amount equal to use of one maximum day (200,000 gallons), plus fire flow (540,000 gallons), plus emergency storage (420,000 gallons), totaling 1.16 million gallons. For projected ultimate peak day demand of 350,000 gallons similar amount would be 1.33 million gallons. With 3.1 million gallons already constructed the District is in the enviable position of having more than adequate amount of storage. Premise of the storage equation is that water source be equivalent to the peak day demand which, as cited previously, the District provides.

An important aspect for any governing board and management is to address reliability of water supply. This is achieved in several ways including adequate storage which the District has, adequate source of which the District is also blessed and with the ability to move or transfer water from one system to another whether it be intra-District or inter-District. Completed by District staff in recent years is a booster pumping station at the Highway Tank which will allow transfer water from the Dutch Flats Zone to the higher Rocky Point Pressure Zone. Housed in a secure building enclosure, pumps will be easily accessible during all times of the year and will have a more reliable suction source from the adjacent Highway Tanks. The District has also completed an inter-district connection with the Idyllwild Water District. This will allow transfer of water to and from Idyllwild, should it ever be needed.

Another aspect of reliability which the District has recognized and addressed is that of backup power in case of outages by Southern California Edison Company. For this, the District has acquired two portable generators. One is stationed at the Highway Tank Booster Pump Station and another in the Dutch Flats area to power Wells 25 & 26, the nearby treatment plant, and booster pumps to the Highway Tank storage. This gives the District the ability to pump water from the Dutch Flats wells to the Highway Tanks and also to the higher Rocky Point Pressure Zone if needed in case of power outage. Since both are portable they can also be used elsewhere to pump water from several wells simultaneously.

Also, security cameras and lighting have been installed at key sites to deter intrusion and vandalism.

SYSTEM CONDITION

The writer, on occasional visits to the District, visits various sites. A more comprehensive and detailed visit was made recently together with reviewing reports authorized and prepared for the District. As this writer has indicated in every report to the District, facilities are superbly maintained both in absolute terms and particularly relative to others.

Enclosure housing pumps, well heads and treatment equipment are clean and not used for miscellaneous storage. Equipment is also clean which indicates that the equipment is well maintained to lengthen operating life and enhance reliability of operation. As indicated previously District staff regularly maintains pipeline network by replacement of a significant amount each year. The benefit of this should be evident in a very low incidence of leakage as smaller and older pipelines are replaced.

Perhaps the District's most visible asset is that of its water storage tanks at the Rocky Point site and of the Highway Tanks. The District regularly monitors conditions of the tank both inside and outside by means of a contract service whose personnel inspect the exterior and interior by diving. Recently completed inspection results were briefly summarized and shown in the accompanying letter from Tony Hobbs Coating Consultant, TPC Consultants Inc. From this it is indicated an evaluation be made of all of the tanks in two years and priority for maintenance of Tank Number 2 at the Rocky Point site, not surprising as it carries the oldest coating system.

Another aspect of system condition is that of the District equipment which from the writer's informal observation are shown to be also clean and well-maintained.

DISTRICT RESOURCES

Resources available to the District, aside from financial, are its staff. Average available is 4.2 people I'm told. Responsibilities of course include that of operation and maintenance of the system which includes system operation and maintenance, administration, meter reading and billing. Recently purchased billing software will allow customers to review and monitor water use and pay online with electronic funds transfer. Staff is supplemented in the summer with temp help for the pipeline installation program. District is to be admired to have in-house capability of backhoe operators, welding and a mechanic trained in-house.

In addition to the operation and maintenance, District staff manages to install 2,000 to 3,000 linear feet of pipeline each year at an average construction costs of $100/ linear foot compared to contracted cost of $180-$200, or more, per linear foot for other systems. And keep in mind that of the recorded cost only about half is actual "out-of-pocket" cost, that for materials and temp help, and that costs will rise in the future, particularly materials.

NEEDS AND RECOMMENDATIONS

Possible needs and recommendations for the District as it moves forward in these uncertain times of water supply and financial stability are the following:

1. Maintain the District's water source, increase moderately and regularly and safeguard and protect the water source by monitoring the tributary watershed. The District has in its repertoire several wells not currently useable, for example Well Number 17, which without a huge cost can be an addition, as an already proven reliable water source. For others, I'm told, an available treatment and/or piping would allow resumption of use. These measures will help assure that the District can supply needs during low precipitation cycles and avoid building restrictions.

2. Maintain the District storage reservoirs in accordance with the detailed inspection and dive report received and with the possible guidance from the accompanying short report from TPC consultants. For this the District then will want to accumulate the financial resources.

3. Continue the program of pipeline replacement to assure that these are replaced as they reach the end of projected life and sized to have capacity to deliver needed fire flow streams.

4. Consider replacement of the District's manual-read water meters with so-called "smart" meters. As other utilities for example gas and electric have done, water meters are available equipped with a transmitter which can be monitored in drive-by mode (AMR) or which can transmit to the District's computer (AMI) likely with use of a repeater station for the District. Some smaller water agencies have been successful in seeking use of state bond funds for the cost of the conversion.

5. Review and update the District's Facility Charge. It was last addressed and reviewed in 2011. Since, the Los Angeles area Construction Cost Index has risen over 19 percent.

6. Seek professional assistance in researching property tax revenue being distributed to the District from the County. Staff is not assured that all revenue due is being received.

In conclusion I commend the District Board, staff and supporting customers for the very excellent job being done to operate and maintain the water system for Pine Cove.

I thank the District board members/committee and staff for their assistance in helping me gather information to prepare this letter report. Should there be any questions, please do not hesitate to contact me.

Very truly yours

John G Egan

John G Egan , P.E.
Principal Engineer

1861 W. Redlands Blvd· Redlands · CA 92373
T: (909) 890-1255 | F: (909) 890-0995 | W: erscinc.com

John Egan

From: Hobbs, Tony <thobbs@tnemec.com>
Sent: Tuesday, February 27, 2018 10:55 AM
To: John Egan
Subject: RE: Pine cove Water District

Hello John.

Having reviewed the inspection reports, which were very helpful, these are my basic comments.

1. **67K Tank 1.**
   No action required, continue to evaluate roof vent. Typical coating performance

2. **420K Tank 1.**
   Evaluate roof and shell for corrosion on a yearly basis as showing wear. Interior in good typical coating performance, evaluate in two years.

3. **420K Tank 3.**
   Interior and exterior in good condition. Typical coating performance. Evaluate in two years.

4. **105K Tank 2.**
   Interior, heavy delamination on underside of roof, no corrosion yet. Exterior good condition, rust around bolt heads, typical. Evaluate next year for possible interior recoat.

5. **420K Tank 2.**
   Exterior good condition. Rust around bolts typical. Refer to report for interior conditions. Ladder corroded and wall corrosion. This needs to be addressed and would be my first tank.

6. **1.5 MG Tank 4**
   Exterior shell and roof coating starting to show wear. Interior good condition except ladder. Ladder needs addressing and can spot repair interior at same time. After ladder and interior spot repair, evaluate in two years in two years.

   I hope this helps. Call me if you have any questions.

Tony Hobbs | Coating Consultant
TPC Consultants, Inc.
Independent Representative of Tnemec Company Incorporated
Tel: 310-637-2363 | Cel: 310-804-2326
thobbs@tnemec.com
NACE Certified Coating Inspector # 5408

From: John Egan [mailto:jegan@erscinc.com]
Sent: Thursday, February 22, 2018 3:33 PM

04026000

November 10, 2004

Pine Cove Water District
P.O. Box 2296
Idyllwild, CA 92549

Attention: Board of Directors

SUBJECT: REVIEW OF DISTRICT'S TEN-YEAR PLAN

Members of the Board:

In response to a request of the members of the Board as conveyed to me by Jerry Holldber, General Manager, I have conducted a review and assessment of the document prepared by Jerry Holldber entitled "A Look into the First Decade of 2000" prepared in February 2000. It is my understanding that the Board desired an outside or independent view of the document which will be used as a key management guide for District operation. This , then, together with a general system review and assessment is the subject of this letter report.

The manager's report "A Look into the First Decade of 2000" emphasized what should be the primary focus of the District during this period - its operation and maintenance programs, pipeline replacement, and research and development of new wells. Provided in the aforementioned document prepared by Jerry is an extensive list of District features to which operation and maintenance will be directed. As with any type of O&M program, District facilities need to be maintained consistently and replaced and upgraded as needed which has been the well-disciplined practice of the District. This type of approach is needed, of course, to insure that features do not wear out prematurely and that they can be operable when needed in any situation, and particularly an emergency or times of system high use or stress. We note that contained on the list and reinforced by the practice described by Jerry is that the District conducts a regular yearly program of valve and hydrant maintenance and exercise, as well as attending to the more visible features in the District.

An extensive list is also provided of pipeline replacements proposed, a number of which have already been completed. These continue to increase reliability in the District's delivery and therefore reduce leaks, loss of water, maintenance requirements, and increase the quality of water

Factors that are increasing water use are the obvious, that is, construction of new services. Also, however, increased usage is occurring due to conversion from part-time to full-time occupancy which, Jerry indicates, has increased from 35 percent in previous years to approximately 50 percent currently. If full-time occupancy increases to 80 percent, estimated peak-day use then would be 350,000 gpd, or 243 gpm.

New services help defray costs for the additional well source required, or storage constructed, with a current charge of $4,400 for a 3/4-inch meter.

In 1986, with no additions in over 10 years, the District had 10 wells with a pump capacity of 140 gpm. You have since added six new wells and the Dutch Flats wells. Pump capacity of the wells is 320 gpm. However, of much more interest is well capacity which, on an appropriately conservative basis, Jerry estimates to be in the range of 80 to 160 gpm, as shown on the accompanying sheet. The four additional wells currently under construction or in process of acquisition will increase this to a range of about 105 to ±200 gpm which provides, it appears, very adequate coverage for the District's peak-day use of 165, even with the possibility of several wells being out of service. There is a diversity of source as the District's wells are distributed throughout the District, drawing on various watersheds and sources.

Operation of the wells is conducted on a part-time basis, that is 6 to 18 hours per day, for two reasons. One, and perhaps most important, is to keep well production within capacity of the well. A second is to allow operation of the well in the offpeak electrical power rate period which has reduced power cost by one-half in recent years. Estimated savings by using offpeak rates is over $100,000 over the last 10 years.

Treatment of most of the District's wells is achieved by the aeration plant located on the Rocky Point Reservoir site. This was completed in 1997 to reduce carbon dioxide in the water so that it would not so aggressively dissolve copper and lead in customer service piping. There is a need to provide this type of treatment also for District's Well No. 12 in the Dutch Flats area which was recently outfitted with iron and manganese removal equipment. Ideally, I believe, this will be accomplished by the construction or designation of an existing pipe as a loading line from the well to the Highway Tank at which an aeration plant could then be located, which possibly could serve other wells also.

these have been mentioned previously in our 1996 letter report, our 2001 oral report, and in Jerry's 2000 report concerning the next decade.

a. Complete the flexible seismic connections to all reservoirs.

b. Continue to development additional source.

c. Maintain or resume a meter replacement program. Though the District's "unaccounted water" is not large, replacement of meters will help reduce this "lost water" and therefore increase income.

d. Continue detailed inspection and, when required, draining and touch-up of interior coatings of the District's reservoirs.

In preparation for this report, I inspected many of the District's facilities recently. As in all previous such inspections, a high level of maintenance of all facilities was observed. This should help assure the District Board of the reliability of all facilities.

I thank you for the opportunity of presenting our thoughts. Should there be any questions, please contact me.

Very truly yours,

John G. Egan, P.E.
Principal Engineer

JGE:ma

P:\Pine Cove Water District 04026\04026000\letter report.wpd

PINE COVE WATER DISTRICT COST ALLOCATION

2/5/2018

EXPENSE ITEM	2014-2015 COSTS AMOUNT	2014-2015 FIXED COST ALLOCATION	2014-2015 VARIABLE COST ALLOCATION	2015-2016 COSTS AMOUNT	2015-2016 FIXED COST ALLOCATION	2015-2016 VARIABLE COST ALLOCATION	2016-2017 COSTS AMOUNT	2016-2017 FIXED COST ALLOCATION	2016-2017 VARIABLE COST ALLOCATION
Expenses									
TOTALS	$202,894	$133,788	$69,106	$197,938	$129,521	$68,417	$212,049	$135,893	$76,156
Salaries & Benefits									
TOTALS	$ 442,678	$357,994	$84,684	$448,610	$365,581	$83,029	$467,621	$375,196	$92,425
Improvements									
TOTALS	$73,226	$24,945	$48,281	$75,700	$32,883	$42,817	$95,317	$66,310	$29,007
Equip. Loans & Liabilities									
TOTALS	$75,291	$75,291	$0	$59,335	$59,335	$0	$68,548	$62,695	$5,853
GRAND TOTALS	$794,089	$592,018	$202,071	$781,583	$587,320	$194,263	$843,535	$640,094	$203,441
FIXED COST APPORTIONED TO 1,100 SVCS/BI-MONTH		$89.70			$88.99			$96.98	
Water Sold (000 gallons)									
Variable Cost/000			$7.51			$7.39			$7.15
Average									$7.35

Pine Cove Water District
Info for Rate Survey
February 2018

Fixed Costs

Fixed costs as determined by John Egan:

Year 2014/2015	$592,018
Year 2015/2016	$587,320
Year 2016/2017	$640,094

Average 3 year cost $606,477. Currently, we receive thru our bi monthly minimum $410,316. To achieve our goals, we need to raise our bi monthly. See chart below.

Residential Fixed:

Year	Meters	Bi-Monthly Incr.	Actual/Yearly	Yearly Income
2017/2018 (now)	1103		$62.00/$372	$410,316
2018/2019	1105	$6.00	$68.00/$408	$450,840
2019/2020	1107	$4.00	$72.00/$432	$478,224
2020/2021	1109	$4.00	$76.00/$456	$505,704
2021/2022	1110	$2.00	$78.00/$468	$519,480
2022/2023	1111	$2.00	$80.00/$480	$533,280

Commercial fixed – Buckhorn Camp, Coulter Pines and Hummingbird Trailer Parks:

Year 2017/2018 (now)	$15,732
Year 2018/2019	$16,446
Year 2019/2020	$17,514
Year 2020/2021	$18,282
Year 2021/2022	$18,996
Year 2022/2023	$19,740

Per Ordinance #9, new guidelines are in place to charge multiple units on a single meter. This would be an additional charge on bi-monthly minimums.

Pine Cove Water District
Info into Rate Study
March 2018

Variable costs as determined by John Egan:

Year 2014/2015	$202,071	$7.51/per 1000 gallons
Year 2015/2016	$194,263	$7.39/per 1000 gallons
Year 2016/2017	$203,441	$7.15/per 1000 gallons

Average 3 year cost = $199,925. Then, based on water sold the average price per 1000 gallons would be $7.35.

If today, we were charging $7.35/per 1000 gallons to stay up with estimated inflation, in 5 years the cost per 1000 would be $8.50.

Year 1 2018/2019	$7.76 (3% increase) =	$7.57	4% = $7.64	5% = $7.72
Year 2 2019/2020	$7.99 (3% increase)=	$7.79	4% = $7.94	5% = $8.11
Year 3 2020/2021	$8.23 (3% increase)=	$8.02	4% = $8.25	5% = $8.52
Year 4 2021/2022	$8.48 (3% increase)=	$8.26	4% = $8.58	5% = $8.95
Year 5 2022/2023	$8.73 (3% increase)=	$8.50	4% = $8.92	5% = $9.40

Based on info from previous 3 years and assuming we sell 30,000,000 gallons of water in a year, the breakdown per tier is:

0-7500 gallons	10 m.g. =	33% of sales (77% of customers)
7500-15000 gallons	10 m.g. =	33% of sales (16% of customers)
Over 15,000 gallons	10 m.g. =	34% of sales (7% of customers)
	30 MG	100%

Gallons	Now/1000 gallons	Year 1 2018/2019	Year 2 2019/2020	Year 3 2020/2021	Year 4 2021/2022	Year 5 2022/2023
0-7500	$1.80	$4.00	$5.00	$6.00	$7.00	$8.00
7500-15,000	$3.10	$6.00	$7.00	$8.00	$9.00	$10.00
Over 15,000	$4.40	$8.00	$9.00	$10.00	$11.00	$12.00
Over 18,000	$7.40					
	Now	Year 1	Year 2	Year 3	Year 4	Year 5
New Rates	118,110	180,000	210,000	240,000	270,000	300,000
Average Cost:		$6.00/1000	$7.00/1000	$8.00/1000	$9.00/1000	$10.00/1000

Projected Income

5 year – Combined - Fixed & Variable

	Now	Year 1	Year 2	Year 3	Year 4	Year 5
	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023
Residential	409,200	450,840	478,224	505,704	519,480	533,280
Comm'l	15,732	16,446	17,514	18,282	18,996	19,740
Sell 30 mg	118,110	180,000	210,000	240,000	270,000	300,000
Total:	543,042	647,286	705,738	763,986	808,476	853,020

Draft Budget:

	Now	Year 1	Year 2	Year 3	Year 4	Year 5
Income	$912,000	$1,041,044	$1,107,414	$1,174,394	$1,226,685	$1,281,516
Expenses	$912,000	$ 946,000	$1,000,000	$1,043,000	$1,072,000	$1,104,000
To Reserves		$ 95,044	$ 107,414	$ 131,394	$ 154,685	$ 177,516
Total:		$1,041,044	$1,107,414	$1,174,394	$1,226,685	$1,281,516

Breakdown of Reserves:

	Now	Year 1	Year 2	Year 3	Year 4	Year 5
Source Dev.		$25,000	$39,200	$53,800	$68,400	$73,000
Storage Tanks		$30,000	$60,000	$90,000	$130,085	$200,000
Water Meters		$100,444	$163,258	$250,052	0	0
Main Lines		0	0	0	$100,000	$203,001
Loan Reserve	$80,000	$20,000	$20,000	$20,000	$20,000	$20,000
Contingencies	$20,000	$20,000	$20,000	$20,000	$20,000	$20,000
Gen Reserve	$180,000	$180,000	$180,000	$180,000	$180,000	$180,000
Total Reserves		$375,044	$482,458	$613,852	$518,485	$696,001

PINE COVE WATER DISTRICT

THIS DOCUMENT CONTAINS THE COMBINATION OF ALL SPECIAL RATES AND WATER RATES, INCLUDING RESIDENTIAL, COMMERCIAL, MOBILE HOME PARKS AND CAMPS.

RESIDENTIAL AND COMMERCIAL

Currently, the advanced minimum is $62.00 and water charges are charged as follows:

$1.80 per thousand gallons from 0 to 6,000 gallons
$3.10 per thousand gallons from 6,000 to 12,000 gallons
$4.40 per thousand gallons from 12,000 to 18,000 gallons
$7.40 over 18,000 gallons

Effective 6/1/2018, the Bi-monthly minimum charge, based on actual cost will be $68.00 for two-month billing period, excluding any water usage. Water usage will be billed as follows:

$ 4.00 per thousand gallons from 0 to 7,500 gallons
$ 5.00 per thousand gallons from 7,500 to 15,000 gallons
$ 6.00 per thousand gallons over 15,000

Effective 6/1/2019, the Bi-monthly minimum charge will be $72.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$5.00 per thousand gallons from 0 to 7,500 gallons
$6.00 per thousand gallons from 7,500 to 15,000 gallons
$7.00 per thousand gallons over 15,000

Effective 6/1/2020, the Bi-monthly minimum charge will be $76.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$6.00 per thousand gallons from 0 to 7,500 gallons
$7.00 per thousand gallons from 7,500 to 15,000 gallons
$8.00 per thousand gallons over 15,000

Effective 6/1/2021, the Bi-monthly minimum will be $78.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$7.00 per thousand gallons from 0 to 7,500 gallons
$8.00 per thousand gallons from 7,500 to 15,000 gallons
$9.00 per thousand gallons over 15,000

Effective 6/1/2022, the Bi-monthly minimum will be $80.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$8.00 per thousand gallons from 0 to 7,500 gallons
$9.00 per thousand gallons from 7,500 to 15,000 gallons
$10.00 per thousand gallons over 15,000

BUCKHORN CAMP

Currently, the Bi-monthly minimum is $520.00 for two month billing period, excluding any water usage. Water usage is billed as follows:

$3.20 per thousand gallons from 0 to 100,000 gallons
$6.25 per thousand gallons over 100,000 gallons

Effective 6/1/2018, the Bi-monthly minimum will be $565.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 4.00 per thousand gallons from 0 to 100,000 gallons
$ 6.00 per thousand gallons from 100,000 to 200,000 gallons
$ 8.00 per thousand gallons over 200,000 gallons

Effective 6/1/2019, the Bi-monthly minimum will be $599.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 5.00 per thousand gallons from 0 to 100,000 gallons
$ 7.00 per thousand gallons from 100,000 to 200,000 gallons
$ 9.00 per thousand gallons over 200,000 gallons

Effective 6/1/2020, the Bi-monthly minimum will be $635.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 6.00 per thousand gallons from 0 to 100,000 gallons
$ 8.00 per thousand gallons from 100,000 to 200,000 gallons
$10.00 per thousand gallons over 200,000 gallons

Effective 6/1/2021, the Bi-monthly minimum will be $654.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 7.00 per thousand gallons from 0 to 100,000 gallons
$ 9.00 per thousand gallons from 100,000 to 200,000 gallons
$11.00 per thousand gallons over 200,000 gallons

Effective 6/1/2022, the Bi-monthly minimum will be $674.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 8.00 per thousand gallons from 0 to 100,000 gallons
$10.00 per thousand gallons from 100,000 to 200,000 gallons
$12.00 per thousand gallons over 200,000 gallons

COULTER PINES

Currently, the Bi-monthly minimum is $1670.00 for the two month billing period, excluding any water usage. Water usage is billed as follows:

$3.40 per thousand gallons from 0 to 282,000 gallons
$4.40 per thousand gallons from 282,000 to 564,000 gallons
$6.85 per thousand gallons from 564,000 to 846,000 gallons
$8.65 per thousand gallons over 846,000 gallons

Effective 6/1/2018, the Bi-monthly minimum will be $1598.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$4.00 per thousand gallons from 0 to 141,000 gallons
$6.00 per thousand gallons from 141,000 to 282,000 gallons
$8.00 per thousand gallons over 282,000 gallons

Effective 6/1/2019, the Bi-monthly minimum will be $1692.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$5.00 per thousand gallons from 0 to 141,000 gallons
$7.00 per thousand gallons from 141,000 to 282,000 gallons
$9.00 per thousand gallons over 282,000 gallons

Effective 6/1/2020, the Bi-monthly minimum will be $1786.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 6.00 per thousand gallons from 0 to 141,000 gallons
$ 8.00 per thousand gallons from 141,000 to 282,000 gallons
$10.00 per thousand gallons over 282,000 gallons

Effective 6/1/2021, the Bi-monthly minimum will be $1833.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 7.00 per thousand gallons from 0 to 141,000 gallons
$ 9.00 per thousand gallons from 141,000 to 282,000 gallons
$11.00 per thousand gallons over 282,000 gallons

Effective 6/1/2022, the Bi-monthly minimum will be $1880.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 8.00 per thousand gallons from 0 to 141,000 gallons
$10.00 per thousand gallons from 141,000 to 282,000 gallons
$12.00 per thousand gallons over 282,000 gallons

HUMMINGBIRD MOBILE HOME PARK

Currently, the Bi-monthly minimum is $605.00 for two month billing period, excluding any water usage. Water usage is billed as follows:

$ 3.40 per thousand gallons from 0 to 102,000 gallons
$ 4.40 per thousand gallons from 102,000 to 204,000 gallons
$ 6.85 per thousand gallons from 204,000 to 306,000 gallons
$ 8.65 per thousand gallons over 306,000

Effective 6/1/2018, the Bi-monthly minimum will be $578.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$4.00 per thousand gallons from 0 to 51,000 gallons
$6.00 per thousand gallons from 51,000 to 102,000 gallons
$8.00 per thousand gallons over 102,000 gallons

Effective 6/1/2019, the Bi-monthly minimum will be $612.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$5.00 per thousand gallons from 0 to 51,000 gallons
$7.00 per thousand gallons from 51,000 to 102,000 gallons
$9.00 per thousand gallons over 102,000 gallons

Effective 6/1/2021, the Bi-monthly minimum will be $646.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 6.00 per thousand gallons from 0 to 51,000 gallons
$ 8.00 per thousand gallons from 51,000 to 102,000 gallons
$10.00 per thousand gallons over 102,000 gallons

Effective 6/1/2021, the Bi-monthly minimum will be $663.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 7.00 per thousand gallons from 0 to 51,000 gallons
$ 9.00 per thousand gallons from 51,000 to 102,000 gallons
$11.00 per thousand gallons over 102,000 gallons

Effective 6/1/2022, the Bi-monthly minimum will be $680.00 for two month billing period, excluding any water usage. Water usage will be billed as follows:

$ 8.00 per thousand gallons from 0 to 51,000 gallons
$10.00 per thousand gallons from 51,000 to 104,000 gallons
$12.00 per thousand gallons over 104,000 gallons

SPECIAL RATES AND CHARGES

Normal Customer Requested Turn on or Off	$15.00
After Hours Customer Requested Turn On or Off	$40.00 - $75.00
Emergency Turn Off	$100.00 - $250.00
Delinquent Turn Off/On	$75.00
Transfer Fee	$45.00
Return Check Fee	$45.00
Late Fee for Payments made after the 10th of month	$15.00
Lien Processing Fee	$215.00
Special Requests – meter readings, service calls, letters	$15.00 - $100.00
Public Records Request -	$.25 per page
Fire Service -	$ 5.00 per inch of diameter/per month $10.00 per month minimum

	Now	Year 1	Year 2	Year 3	Year 4	Year 5
Bi-monthly	$62.00	$68.00	$72.00	$76.00	$78.00	$80.00
5000 Gallons	$9.00	$20.00	$25.00	$30.00	$35.00	$40.00
Total Bill:	**$71.00**	**$88.00**	**$97.00**	**$106.00**	**$113.00**	**$120.00**
10,000 Gallons	$23.20	$42.50	$52.50	$62.50	$72.50	$82.50
Total Bill:	**$85.20**	**$110.50**	**$124.50**	**$138.50**	**$150.50**	**$162.50**
15,000 Gallons	$42.60	$67.50	$82.50	$97.50	$112.50	$127.50
Total Bill:	**$104.60**	**$135.50**	**$154.50**	**$173.50**	**$190.50**	**$207.50**

Water Distributor Rate Information
Prepared for Pine Cove Water District

3/8/18

	Water Distributor Name	Bi-Monthly Chg. Water Allowance (cf/gallons)	Water Commodity Cost by Tier ($1,000)	Annual Assessment	Service Area Setting	No. Svcs.	Source
1	APCWD (District)	$55.00 600/4,488	All $8.69	No	Mountain Community	959	Wells w/ Treatment + Import
2	CVWD (District)	$51.00 (5/8" x 3/6") $55.00 (1") 0	T1 - $5.61 T2 - $8.42	No	Mountain Community	(+/-) 5,200	Wells + Import
3	GVMWC (Mutual)	$32.80 0	T1 - $2.60 T2 - $8.60	Yes $200	Mountain Community	1,150	Wells + Import
4	AWUA (Mutual)	$45.00 (5/8" x 3/4") $57.00 (1") 0	T1 - $4.41 T2 - $8.82	No	Mountain Community	900	Wells w/ Treatment + Import
5	FVWD (District)	$60.00 0	T1 - $5.35 T2 - $15.11	No	Mountain Community	1,150	Wells
6	IWD (District)	$59.40 (5/8") $86.70 (3/4") 300/2,244	T1 - $8.46 T2 - $13.37	No	Mountain Community	1,602	Wells w/ Treatment
7	RSWD (District)	$59.84 (3/4") $134.80 (1") 0	All $5.98	No	Mountain Community	2,800	Wells + Import
8	CPPMWC (Mutual)	49.48 0	T1 - $11.63 T2 - $13.77 T3 - $17.25	$274	Mountain Community	763	Wells w/ Treatment + Import

3/9/18 ok JH

PINE COVE WATER DISTRICT

METER INSTALLATION FEES & FACILITY CHARGES

RESOLUTION #

IT IS HEREBY RESOLVED, BY THE BOARD OF DIRECTORS OF THE PINE COVE WATER DISTRICT, THAT ALL 3/4" METER INSTALLATION FEES BE $740.00 PER BASIC INSTALLATION AND METERS THAT REQUIRE MORE TIME AND MATERIAL OR A NEW SERVICE LINE FROM METER TO MAIN LINE, WILL BE CHARGED TIME AND MATERIAL FOR INSTALLATION OF ALL COSTS OVER $740.00.

METER INSTALLATION FEES FOR OTHER METER SIZES WILL BE DETERMINED ON AN INDIVIDUAL BASIS. THIS RESOLUTION SUPERCEDES RESOLUTION #461.

FACILITY CHARGES FOR 3/4" METERS WILL BE $8260.00.

THE COST FOR BASIC METER INSTALLATION FEE AND FACILITY CHARGES FOR A 3/4" METER WILL BE $9000.00.

1" METER = $14,042 PLUS INSTALLATION.
2" METER = $43,778 PLUS INSTALLATION.

THESE CHARGES WILL GO INTO EFFECT ON JUNE 1, 2018.

5/8" Meter Installation $650.00
Facilities Charge $6884.00
$7,534
+20%
3/4" Meter Installation $740.00
Facilities Charge 8260.00
3/4" meter $9,000.00