



Advanced Environmental Landscape  
Design & Consulting, LLC

CSLB C-27 Lic#708716  
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## **WATER MANAGEMENT** **WATER ANALYSIS & RECOMMENDATIONS**

**Property Name:** Park View Terrace  
**Report Dated:** 11/10/2017

### **HIGH PRIORITY RECOMMENDATIONS**

**High Priority Recommendations & Preventative Maintenance**

### **WEBSITE LOGIN INFORMATION**

Visit [www.aelandscapedesign.com/nationalcore](http://www.aelandscapedesign.com/nationalcore)  
Enter Password- watercore

1. Great Job, you have taken care of all your recommendations. There are no recommendations at this time, thank you!

### **WATER USAGE ANALYSIS SUMMARY**

(See individual meter reports for more detailed information)

#### **DOMESTIC**

**Meter 2:** Daily Average, Projected Monthly Average, and Recent Water bill are each below budget.

**Meter 3:** Daily Average, Projected Monthly Average, and Recent Water bill are each below budget.

#### **LANDSCAPE**

**Landscape System:**

**Irrigation Map:** Irrigation map not available at this time.

**Weather Based Irrigation controller:** Hunter I-Core with Solar Sync – 07/14/2015.

**Precision Nozzles:** Property not equipped with precision nozzles at this time.

**Turf Removal:** Turf removal not recommended at this time.

**Golden State Water Company restrictions are:** Please check our website for your district's current restrictions.

**Controller is in compliance:** Controller is not currently; please see notes below in Landscape description.

*“Save Water Today, So We Have Water Tomorrow”*



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**Landscape Usage:**

**Meter 1:** Daily Average, Projected Monthly Average, and Recent Water bill are each below budget.

**Pressure Testing:**

Please find a list of the pressure readings in order of highest pressure test: Pressure readings are both at 50 PSI, pressure is average, no concern.

**Building 1:** 50 PSI

**Building 2:** 50 PSI

**Overall pressure in both buildings is in desirable range (45-60 PSI).**

***“Save Water Today, So We Have Water Tomorrow”***

# Meter Summary Coversheet

Property Name Park View Terrace

Meter ID	Account Number	Meter Number	Meter Type
1	58688300001	8870208	Landscape
2	18688300005	8870173	Domestic
3	38688300003	8870201	Domestic
4	86668300006	33827193	Fire Service

# Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LLC

METER ID# 1

Property Name	Park View Terrace		
Meter Number	8870208	Meter Type	Landscape
Account Number	58688300001	Meter Type	2"

REPORT DATED  
11/10/2017

Backflow Details: Designated Backflow  Size 2 Pressure Regulator?

## LANDSCAPE ANALYSIS

The following calculations are based on the data collected from the physical meter readings and water bills:

	MAWA Analysis
Current ETo (Monthly)	7.21
Monthly Budget	85.70

Allocated S/F (Landscape) 20,485

WBIC (Weather Based Irrigation Controller)

WBIC-MAKE/MODEL Hunter I-Core W/Solar Sync

PRECISION NOZZLES

DROUGHT TOLERANT LANDSCAPE

## Projected vs. Actual Water Bill Analysis

		Projected		Most Recent	
Tier 1 @	\$3.90	59	\$230.22	66	\$257.53
Tier 2 @					
Tier 3 @					
Tier 4 @					
Tier 5 @					
<b>WATER CONSUMPTION TOTALS</b>		<b>59</b>	<b>\$230.22</b>	<b>66</b>	<b>\$257.53</b>
Service Charge			\$179.12		\$179.12
CARW/CROSS CONNECTION FEE					\$18.48
WRAM Surcharge					\$34.45
HER CHARGES/CPUC Fee-1.44%					(\$1.66)
<b>TOTAL USAGE &amp; CHARGES</b>			<b>\$409.34</b>		<b>\$487.92</b>

## PHYSICAL METER READINGS

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
11/1/2017 9:30 AM	83,270.0	RST	29.70	22,215.60	15	1.980	359	0.083
10/17/2017 10:00 AM	80,300.0	WB	12.00	8,976.00	6	2.000	144	0.083
10/11/2017 10:25 AM	79,100.0	RST	54.00	40,392.00	23	2.348	552	0.098
9/18/2017 10:00 AM	73,700.0	WB	55.00	41,140.00	17	3.235	410	0.134
9/1/2017 8:27 AM	68,200.0	RST	67.00	50,116.00	16	4.188	382	0.175
8/16/2017 10:00 AM	61,500.0	WB	64.90	48,545.20	15	4.327	362	0.179
8/1/2017 8:20 AM	55,010.0	RST	57.10	42,710.80	13	4.392	310	0.184
7/19/2017 10:00 AM	49,300.0	WB	51.00	38,148.00	14	3.643	335	0.152
7/5/2017 11:46 AM	44,200.0	RST	86.00	64,328.00	19	4.526	457	0.188
6/16/2017 10:00 AM	35,600.0	WB	46.80	35,006.40	15	3.120	353	0.133
6/1/2017 5:45 PM	30,920.0	RST	38.20	28,573.60	16	2.388	391	0.098

This report was prepared by Advanced Environmental Landscape. If you have any questions regarding this report please contact us at (909) 980-8300 or water@a landscapedesign.com

# Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 2

Property Name	Park View Terrace		
Meter Number	8870173	Meter Type	Domestic
Account Number	18688300005	Meter Type	2"

REPORT DATED  
11/10/2017

Backflow Details: Designated Backflow  Size 2 Pressure Regulator?

## DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Multi-Unit Building	Multi-Unit Building	Water Feature		
Description	Bldg 1 (1 BDR)	Bldg 1 (2 BDR)	FOUNTAIN		TOTALS
Units Served	28	3	345		376
Budget/Month/Unit	9	14	0.0249		
Daily Budget Total	8.28	1.38	0.28		9.9
Monthly Budget Total	252.00	42.00	8.59		302.6

The following calculations are based on the data collected from the physical meter readings and water bills:

		Projected vs. Actual Water Bill Analysis					
		Projected		Most Recent			
Physical Daily-Average	6.987	Tier 1 @	\$3.90	213	\$831.13	120	\$468.24
Physical Monthly-Average	212.52	Tier 2 @					
		Tier 3 @					
		Tier 4 @					
		Tier 5 @					
		<b>WATER CONSUMPTION TOTALS</b>		<b>213</b>	<b>\$831.13</b>	<b>120</b>	<b>\$468.24</b>
		SERVICE CHARGE			\$179.12		\$179.12
		.15/CCF/CROSS CONNECTION FEE					\$31.98
		RAM SURCHARGE/OTHER CHARGES					\$61.26
		CPUC Fee-1.44%					\$10.66
		<b>TOTAL USAGE &amp; CHARGES</b>			<b>\$1,010.25</b>		<b>\$751.26</b>

## PHYSICAL METER READINGS

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
11/1/2017 10:00 AM	163,080.0	RST	104.80	78,390.40	15	6.987	360	0.291
10/17/2017 10:00 AM	152,600.0	WB	21.00	15,708.00	6	3.500	144	0.146
10/11/2017 10:27 AM	150,500.0	RST	99.00	74,052.00	23	4.304	552	0.179
9/18/2017 10:00 AM	140,600.0	WB	100.20	74,949.60	17	5.894	410	0.244
9/1/2017 8:29 AM	130,580.0	RST	123.80	92,602.40	16	7.738	382	0.324
8/16/2017 10:00 AM	118,200.0	WB	121.80	91,106.40	15	8.120	362	0.336
8/1/2017 8:21 AM	106,020.0	RST	87.20	65,225.60	13	6.708	310	0.281
7/19/2017 10:00 AM	97,300.0	WB	75.10	56,174.80	14	5.364	335	0.224
7/5/2017 11:48 AM	89,790.0	RST	114.90	85,945.20	19	6.047	457	0.251
6/16/2017 10:00 AM	78,300.0	WB	54.40	40,691.20	15	3.627	352	0.155

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# Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 3

Property Name	Park View Terrace		
Meter Number	8870201	Meter Type	Domestic
Account Number	38688300003	Meter Type	2"

REPORT DATED  
11/10/2017

Backflow Details: Designated Backflow  Size 2 Pressure Regulator?

## DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Multi-Unit Building	Multi-Unit Building	Laundry		
Description	Bldg 2 (1 BDR)	Bldg 2 (2 BDR)	Mod # MAT14PDAW1		TOTALS
Units Served	37	4	8		49
Budget/Month/Unit	9	14	11		
Daily Budget Total	10.95	1.84	2.89		15.7
Monthly Budget Total	333.00	56.00	88.00		477.0

The following calculations are based on the data collected from the physical meter readings and water bills:

		Projected vs. Actual Water Bill Analysis					
		Projected		Most Recent			
Physical Daily-Average	7.353	Tier 1 @	\$3.90	224	\$874.05	137	\$534.57
Physical Monthly-Average	223.65	Tier 2 @					
		Tier 3 @					
		Tier 4 @					
		Tier 5 @					
		<b>WATER CONSUMPTION TOTALS</b>		<b>224</b>	<b>\$874.05</b>	<b>137</b>	<b>\$534.57</b>
		SERVICE CHARGE			\$179.12		\$179.12
		Surcharge/CROSS CONN FEE25/CCF					\$36.23
		WRAM/Other Charges and Credit					\$72.39
		CPUC Fee-1.44					\$11.84
		<b>TOTAL USAGE &amp; CHARGES</b>			<b>\$1,053.17</b>		<b>\$834.15</b>

## PHYSICAL METER READINGS

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
11/1/2017 9:32 AM	197,330.0	RST	110.30	82,504.40	15	7.353	359	0.307
10/17/2017 10:00 AM	186,300.0	WB	26.90	20,121.20	6	4.483	144	0.187
10/11/2017 10:00 AM	183,610.0	RST	110.10	82,354.80	23	4.787	552	0.199
9/18/2017 10:00 AM	172,600.0	WB	87.60	65,524.80	17	5.153	410	0.214
9/1/2017 8:31 AM	163,840.0	RST	81.40	60,887.20	16	5.088	382	0.213
8/16/2017 10:00 AM	155,700.0	WB	92.00	68,816.00	15	6.133	362	0.254
8/1/2017 8:22 AM	146,500.0	RST	65.00	48,620.00	13	5.000	310	0.210
7/19/2017 10:00 AM	140,000.0	WB	60.80	45,478.40	14	4.343	335	0.181
7/5/2017 11:50 AM	133,920.0	RST	119.20	89,161.60	19	6.274	457	0.261
6/16/2017 10:00 AM	122,000.0	WB	79.30	59,316.40	15	5.287	352	0.225

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# Water Meter Inspection and Evaluation

Report prepared by Advanced Environmental Landscape Design & Consulting, LL

METER ID# 4

Property Name	Park View Terrace		
Meter Number	33827193	Meter Type	Fire Service
Account Number	86668300006	Meter Type	5/8"

REPORT DATED  
11/10/2017

Backflow Details: Designated Backflow  Size \_\_\_\_\_ Pressure Regulator?

## DOMESTIC ANALYSIS

Each meter services different types of buildings, water features, etc. The following budgets have been created for each type of coverage below:

Coverage Type	Fire Service				
Description	Fire Service				<b>TOTALS</b>
Units Serviced					<b>0</b>
Budget/Month/Unit					
Daily Budget Total					<b>0.0</b>
Monthly Budget Total					<b>0.0</b>

The following calculations are based on the data collected from the physical meter readings and water bills:

		Projected vs. Actual Water Bill Analysis					
		Projected			Most Recent		
Physical Daily-Average	<b>0.000</b>	Tier 1 @	\$0.00	0	\$0.00	0	\$0.00
Physical Monthly-Average	<b>0.00</b>	Tier 2 @					
		Tier 3 @					
		Tier 4 @					
		Tier 5 @					
		<b>WATER CONSUMPTION TOTALS</b>		<b>0</b>	<b>\$0.00</b>	<b>0</b>	<b>\$0.00</b>
		Service Chg-Fire Protection			\$30.00		\$30.00
		Cross Connection Fee			\$3.96		\$3.96
		CPUC Fee-1.44%			\$0.49		\$0.49
		<b>TOTAL USAGE &amp; CHARGES</b>			<b>\$34.45</b>		<b>\$34.45</b>

## PHYSICAL METER READINGS

Date & Time	Meter Reading	Reading Source	Usage (hcf)	Usage (gallons)	Days in Cycle	Daily Average (hcf)	Hours in Cycle	Hourly Average (hcf)
10/17/2017 10:00 AM	6.0	WB	0.00	0.00	29	0.000	696	0.000
9/18/2017 10:00 AM	6.0	WB	0.00	0.00	33	0.000	792	0.000
8/16/2017 10:00 AM	6.0	WB	0.00	0.00	61	0.000	1464	0.000
6/16/2017 10:00 AM	6.0	WB	0.00	0.00	31	0.000	744	0.000
5/16/2017 10:00 AM	6.0	WB	0.00	0.00	28	0.000	672	0.000
4/18/2017 10:00 AM	6.0	WB	0.00	0.00	33	0.000	792	0.000
3/16/2017 10:00 AM	6.0	WB	0.00	0.00	28	0.000	672	0.000
2/16/2017 10:00 AM	6.0	WB	0.00	0.00	28	0.000	672	0.000
1/19/2017 10:00 AM	6.0	WB	0.00	0.00	34	0.000	816	0.000
12/16/2016 10:00 AM	6.0	WB	0.00	0.00	30	0.000	720	0.000

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