DOCKETED					
Docket Number:	15-IEPR-01				
Project Title:	General/Scope				
TN #:	206436-3				
<b>Document Title:</b>	: The BIC-1000 Will Save Water & Money				
Description:	10.20.2015 Draft IEPR Workshop				
Filer:	Raquel Kravitz				
Organization:	California Energy Commission				
Submitter Role:	Commission Staff				
<b>Submission Date:</b>	10/27/2015 1:01:31 PM				
Docketed Date:	10/27/2015				

# The BIC-1000 Will Save Water & Money

#### Why Use ACV's & Not Direct Acting Regulators?

- A directing acting regulator has to be set at about 90PSI in order to regulate down to 70PSI. It will constantly fluctuate as the pressure coming in fluctuates.
- A directing acting regulator is normally buried underground, which allows it to be susceptible to constant damage from dirt and gravel. It can become extremely time consuming for the maintenance personnel to fix these valves.
- ACV's are installed above ground for easy maintenance.
- ACV's will constantly stay at their set pressure. If you want 70PSI, then you set the ACV for 70PSI. This will conserve a lot of water for your park or facility and you will also see a change in your water bill.
- An ACV can handle the volume of running numerous clocks at the same time, but directing acting regulators can normally only run one or possibly two clocks at the same time. So, an ACV can help cut down on your watering cycle time dramatically.

#### Proof an ACV is the Right Solution

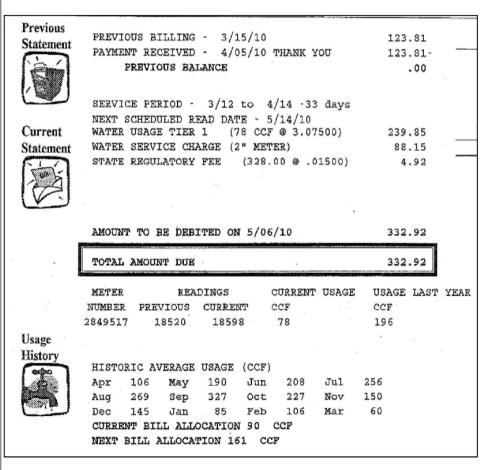
Sequoia Rd. – ACV													
ear	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2004											18,100	29,800	47,90
2005	10,400	0	0	8,500	21,200	62,800	123,300	146,100	191,900	98,200	44,600	37,400	744,40
2006	49,400	18,700	38,700	0	15,100	102,900	125,200	115,900	119,900	97,500	50,100	43,400	776,80
2007	42,600	14,400	0	39,100	54,000	64,500	73,200	131,600	68,800	57,500	75,400	47,500	668,60
2008	21,600	9,200	24,500	70,700	95,500	131,700	106,500	146,400	59,200	116,200	107,000	43,100	931,60
2009	0	26,500	0	131,400	115,800	95,000	46,100	68,400	55,900	24,900	26,500	45,500	636,00
2010	1,100	6,700											
ACV was installed in July 2009, so from 08' to 09' and 09' to 10' reduction(R)/increase(I).													
8'-09'								114% - R			300% - R	5% - I	

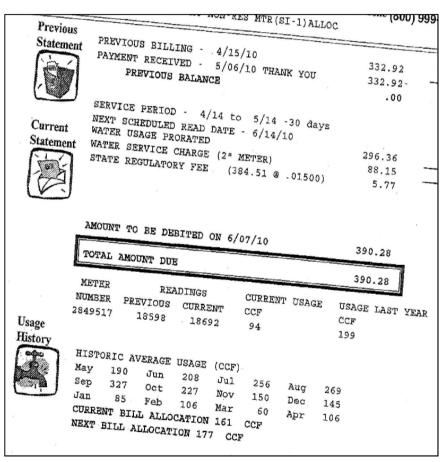
There was an issue in Dec. 09' and Jan. 10', which the City resolved by February 2010.

### Water Savings Example #1 at Casa Flores in Simi Valley - <u>Before</u>

Previous Statement Current Statement	PREVIOUS BILLING - 10/15/09  PAYMENT RECEIVED - 11/05/09 THANK YOU  PREVIOUS BALANCE  SERVICE PERIOD - 10/15 to 11/17 -33 days  NEXT SCHEDULED READ DATE - 12/17/09  WATER USAGE (207 CCF @ 2.51120)  WATER SERVICE CHARGE (2" METER)  STATE REGULATORY FEE (607.97 @ .01500)  OTHER CHARGES/PREMIUMS (SEE BELOW)	1,146.02 1,146.02 .00 519.82 88.15 9.12 570.04	
	AMOUNT TO BE DEBITED ON12/09/09	1,187.13	_
	TOTAL AMOUNT DUE	1,187.13	—— Penalty
,	METER READINGS CURRENT USAGE NUMBER PREVIOUS CURRENT CCF 2849517 18156 18363 207	USAGE LAST YEAR CCF 260	
Usage			
History	HISTORIC AVERAGE USAGE (CCF)  Nov 150 Dec 145 Jan 85 Feb  Mar 60 Apr 106 May 190 Jun  Jul 256 Aug 269 Sep 327 Oct  CURRENT BILL ALLOCATION 127 CCF  NEXT BILL ALLOCATION 123 CCF  ALLOCATION PREMIUM CHARGES (CCFS OVER ALLO  LEVEL 1 (128-147 CCF) 13 CCF @ 5.02240  LEVEL 2 (OVER 147 CCF) 67 CCF @ 7.53360  PREMIUM CHARGES TOTAL	106 208 227 CATION) 65.29 504.75 570.04	
Charges	TOTAL OTHER/PREMIUM CHARGES	570.04	

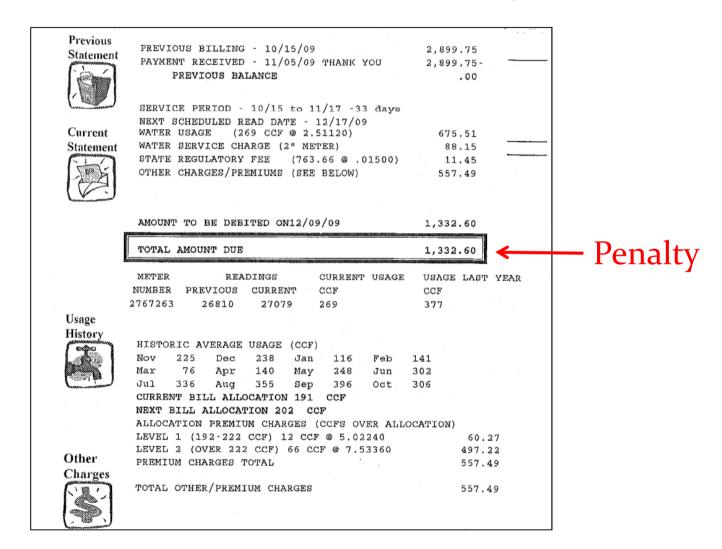
## Water Savings Example #1 at Casa Flores in Simi Valley – <u>After</u> The ACV was installed at the end of Feb.



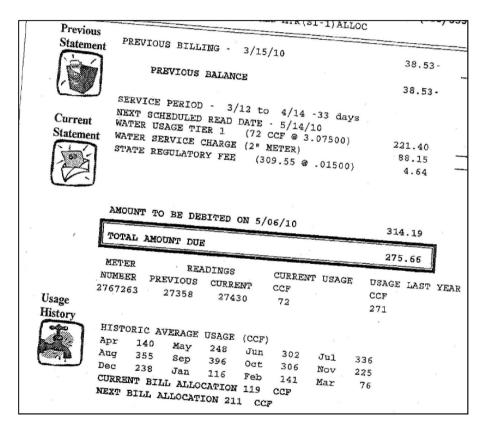


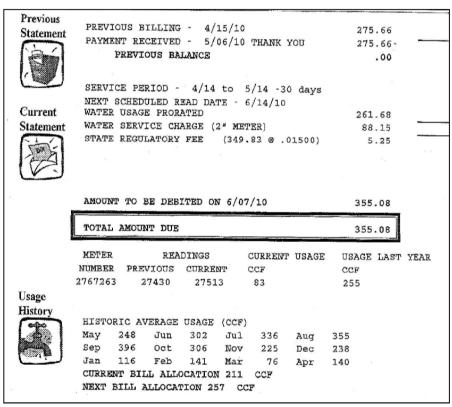
There is no longer a penalty, because the ACV adequately reduced the water usage.

### Water Savings Example #2 at Casa Flores in Simi Valley - <u>Before</u>



## Water Savings Example #2 at Casa Flores in Simi Valley – <u>After</u> The ACV was installed at the end of Feb.





There is no longer a penalty, because the ACV adequately reduced the water usage.