

MEMO

TO: Board of Directors

FROM: Finance Manager

DATE: April 11, 2008

SUBJECT: Water Conservation Credit Programs Status Report

RECOMMENDATION:

It is recommended that the Board of Directors review and file this memo regarding the Water Conservation Credit Programs for the period January 1, 2008 – March 31, 2008.

BACKGROUND:

At the March 6, 2003 Board of Director's meeting, your Board approved Resolution No. 27 (02-03) which implemented Water Conservation Credit Programs for the following:

- 1) A rebate credit, applied to the customer's water bill, of actual purchase not to exceed a maximum of \$100.00 per fixture, for the replacement of an existing conventional high-volume toilet (3.5+ gpf) with an ultra-low flow toilet (ULFT) (1.6 gpf); and
- 2) A rebate credit, applied to the customer's water bill, of actual purchase not to exceed a maximum of \$100.00 per appliance, for the purchase and installation of a high-efficiency clothes washer (HECW).

During the period January 1, 2008 through March 31, 2008, District staff has processed 13 rebate credits for the purchase and installation of ultra-low flow toilets in the amount of \$1,300.00 and 16 rebate credits for the purchase and installation of high efficiency clothes washers in the amount of \$1,600.00. A total of 181 rebate credits (120 ULFT in the amount of \$11,808.40 and 61 HECW in the amount of \$6,100.00) in the amount of \$17,908.40 have been processed to date for Fiscal Year 2007/2008. The total budget approved for Fiscal Year 2007/2008 is \$30,000.00.

Estimated water savings associated with the Water Conservation Credit Program are based upon the following:

High Efficiency Washing Machines assume average estimated annual savings of 5,100 gallons/year per replacement of a low-efficiency clothes washer with a high-efficiency washer.

Low-flush toilet estimated water use savings for the installation of a low-flush toilet is dependant on specific household demographics. Assumptions utilized for estimated savings are as follows:

- 2.64 average persons per household
- Manufacture date of toilet being replaced; 1980-1994
- 4.0 gallons per flush (gpf)

**WATER CONSERVATION CREDIT PROGRAM
SUMMARY**

Attachment 1

<u>PERIOD</u>	<u>ULFT ADJUSTMENTS</u>	<u>ULFT CREDIT AMOUNT</u>	<u>CW ADJUSTMENTS</u>	<u>CW CREDIT AMOUNT</u>	<u>QUARTER TOTALS</u>	
04/01/2003-08/31/2003 Debit on Account #820264000	58	5,392.85 -11.13	46	4,600.00	9,981.72	
09/01/2003-12/31/2003	31	3,100.00	29	2,900.00	6,000.00	
01/01/2004-03/31/2004	14	1,400.00	26	2,600.00	4,000.00	
04/01/2004-06/30/2004	14	1,324.26	28	2,800.00	4,124.26	
07/01/2004-09/30/2004	10	1,000.00	33	3,300.00	4,300.00	
10/01/2004-12/31/2004	13	1,274.70	28	2,800.00	4,074.70	
01/01/2005-03/31/2005	17	1,700.00	36	3,600.00	5,300.00	
04/01/2005-06/30/2005	9	900.00	21	2,100.00	3,000.00	
07/01/2005-09/30/2005	13	1,274.52	16	1,600.00	2,874.52	
10/01/2005-12/31/2005	8	795.04	26	2,600.00	3,395.04	
01/01/2006-03/31/2006	14	1,360.21	39	3,900.00	5,260.21	
04/01/2006-06/30/2006	15	1,426.60	24	2,344.04	3,770.64	
07/01/2006-09/30/2006	15	1,500.00	27	2,700.00	4,200.00	
10/01/2006-12/31/2006	8	800.00	30	3,000.00	3,800.00	
01/01/2007-03/30/2007	15	1,445.92	19	1,900.00	3,345.92	
04/04/2007-06/30/2007	16	1,600.00	21	2,100.00	3,700.00	
TOTAL	270	26,282.97	449	44,844.04	71,127.01	719

**WATER CONSERVATION CREDIT PROGRAM
SUMMARY**

<u>PERIOD</u>	<u>ULFT ADJUSTMENTS</u>	<u>ULFT CREDIT AMOUNT</u>	<u>CW ADJUSTMENTS</u>	<u>CW CREDIT AMOUNT</u>	<u>QUARTER TOTALS</u>	
Balance Forward	270	26,282.97	449	44,844.04	71,127.01	719
07/01/2007-09/30/2007	72	7,108.40	19	1,900.00	9,008.40	
10/01/2007-12/31/2007	34	3,400.00	26	2,600.00	6,000.00	
01/01/2008-03/31/2008	13	1,300.00	16	1,600.00	2,900.00	
TOTAL	389	38,091.37	510	50,944.04	89,035.41	899

Utilizing these assumptions, the annual savings for the installation of a residential low-flush toilet range between 4,468-11,794 gallons/year per toilet. Average estimated annual savings of 8,130/year per toilet.

It is recommended that the Board of Directors review and file this memo regarding the Water Conservation Credit Programs for the period January 1, 2008 - March 31, 2008.

Karen Alvarez
Finance Manager

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