

Miami-Dade Water & Sewer Department

Miami-Dade Consolidated PWS Water Use Permit No. 13-00017-W

Water Conservation Plan 2015 Annual Report

January 1, 2015 - December 31, 2015

Miami-Dade Water & Sewer Department 3071 SW 38th Avenue Miami, FL 33146

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INTRODUCTION

On November 15, 2007, the South Florida Water Management District (SFWMD) Governing Board approved the Miami-Dade Consolidated Water Use Permit (WUP). On November 1, 2010, the SFWMD Governing Board approved the reissuance of the permit extending the WUP for an additional three years. On December 16, 2012, the permit was reissued to increase the permitted allocation and to modify the water supply for the South Miami Heights Water Treatment Plant to include allocation from the Floridan aquifer. On February 9, 2015, the SFWMD issued a modification to the WUP, extending the expiration date to February 9, 2035. The permit has been re-issued again on September 21, 2015 due to revisions of certain special permit conditions (specifically 12, 13, 16, 22, 26 through 35 and 38).

To comply with the original Permit requirements, MDWASD developed a 20-year Water Use Efficiency Plan using the Florida Department of Environmental Protection Conserve Florida Guide (Guide). The Guide is a web-based application for goal-based water conservation planning. MDWASD was the first utility in the State to use the Guide to develop, administer and report its water conservation program.

The implementation of the Conserve Florida Plan Best Management Practices (BMPs) guarantees that MDWASD will meet the projected 19.6 million gallons a day (MGD) water savings target by 2026, as required by the Permit. As of December 31, 2015, water savings from BMPs are 14.14 MGD, exceeding the calendar year 2015 water savings goal of 10.66 MGD.

MDWASD hereby submits the ninth Water Conservation Plan Annual Progress Report detailing the County's actions and efforts to comply with Limiting Condition 17 of the modified WUP.

SUMMARY

Miami-Dade County's Water Use Efficiency Plan (Plan) was implemented utilizing the Florida Department of Environmental Protection (DEP) Conserve Florida Guide. The web-based guide designed for public water suppliers was used for developing, and implementing the water conservation measures and best management practices (BMPs) included in the Plan. The use of quantifiable BMPs and measures has assisted in reviewing and evaluating planned and reported water savings on an annual basis to ensure the implementation of a cost-effective conservation program.

Other measures in addition to water conservation incentives have been enacted to ensure future water savings. For example, water use efficiency standards for new residential and commercial developments enacted by the Miami-Dade Board of County Commissioners on January 1, 2009 are being implemented and enforced through local building codes. The standards included technical amendments to the Florida Building Code to require maximum water conservation flow rates for plumbing fixtures.

Additionally, the County continues to implement the Permanent Landscape Irrigation Restriction Ordinance which limits landscape irrigation to two days per week. A written advisory notice is sent to follow up on formal complaints that are received through either the County's 3-1-1 system or via a web-based e-mail system.

The County has also enacted a tiered water rate structure which includes a surcharge for high water use to encourage water conservation.

As a result, Miami-Dade County is currently experiencing actual finished water demands 32 MGD lower than 2006 actual demands (the year prior to the implementation of the WUE Plan). The reduced demands are the result of lower than anticipated population growth, along with the implementation of the County's irrigation restrictions, Water Loss Reduction Program and Water Conservation Program.

SECTION I - PLAN IMPLEMENTATION

The Conserve Florida BMPs that MDWASD has implemented as part of the Water Use Efficiency Plan are shown in Appendix A.

Due to the implementation of the BMPs and the landscape irrigation restriction measures, Miami-Dade County has continued to see a lower than expected per capita water consumption. Figure 1 reflects the historical systemwide per capita, showing the effectiveness of MDWASD's water efficiency strategies. It should be noted that the historic per capita calculations have been revised based on the most current population data from the Miami-Dade County Planning Division of the Department of Regulatory and Economic Resources.

Table 1 shows both the estimated water savings achieved through implementation of the BMPs and the corresponding annual planned goal for water savings. Current estimated water savings from the BMPs are more than 14.1 MGD, exceeding the 2015 water savings target of 10.66 MGD.

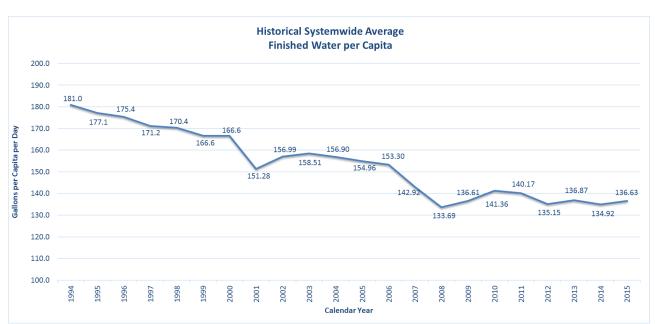


Figure 1. Historical Systemwide Per Capita

Table 1. Water Savings Report Summary

| Year | Water Savings (MGD) | | | | |
|------|------------------------|----------|--|--|--|
| | Planned | Reported | | | |
| 2007 | 1.09 | 1.21 | | | |
| 2008 | 2.24 | 3.48 | | | |
| 2009 | 3.53 | 4.90 | | | |
| 2010 | 4.82 | 6.54 | | | |
| 2011 | 6.10 | 8.47 | | | |
| 2012 | 7.22* | 10.07 | | | |
| 2013 | 8.42* | 11.23 | | | |
| 2014 | 9.54* | 12.34 | | | |
| 2015 | 10.66* | 14.14 | | | |
| 2016 | 11.70 | | | | |
| 2021 | 15.67 | | | | |
| 2026 | 19.62 | | | | |

^{*}Estimated goal based on 5 year target

APPENDIX A - BMP IMPLEMENTATION THROUGH DECEMBER 31, 2015

BMP Implementation for: High Efficiency Toilet & Retrofit Kit

Category: Retrofit

Sector: Single Family –Senior and Low Income Retrofit Project* No Expenditures in 2015 (Note: Program ended October 2012)

| Year | | Units | Savings/Account (Address) Gallons/account/day | Total Savings (gal/day) |
|------|------------|-------|---|----------------------------|
| | Planned | 750 | 64 | 48,000 |
| 2007 | Reported | 890 | 64 | 56,960 |
| | Difference | 140 | | 8,960 |
| | Planned | 1000 | 64 | 64,000 |
| 2008 | Reported | 1124 | 64 | 71,936 |
| | Difference | 124 | | 7,936 |
| | Planned | 1000 | 64 | 64,000 |
| 2009 | Reported | 1000 | 64 | 64,000 |
| | Difference | 0 | | |
| | Planned | 1000 | 64 | 64,000 |
| 2010 | Reported | 845* | 64 | 54,080 |
| | Difference | -155 | | -9,920 |
| | Planned | 750 | 64 | 48,000 |
| 2011 | Reported | 706 | 64 | 45,184 |
| | Difference | 44 | | -2,816 |
| | Planned | 750 | 64 | 48,000 |
| 2012 | Reported | 463 | 64 | 29,632 |
| | Difference | -287 | | -18,368 |

*Note: Reported Value is for each address where a retrofit occurred. A retrofit consists of up to 2 HETs, 2 showerheads, 2 bathroom faucet aerators and a kitchen aerator.

BMP Implementation for: High Efficiency Clothes Washer Rebates

Category: Indoor

Sector: Single Family Home Washers – Rebate No Expenditures in 2015 (Note: Program ended October 2009)

| Year | | Units | Savings/Measure gallon/measure/day | Total Savings (gal/day) |
|------|------------|-------|---------------------------------------|----------------------------|
| | Planned | 0 | 16.3 | 0 |
| 2007 | Reported | 0 | 16.3 | 0 |
| | Difference | 0 | | |
| | Planned | 150 | 16.3 | 2,445 |
| 2008 | Reported | 849 | 16.3 | 13,838.7 |
| | Difference | 699 | | 11,393.7 |
| | Planned | 250 | 16.3 | 4,075 |
| 2009 | Reported | 937 | 16.3 | 15,273.1 |
| | Difference | 687 | | 11,198.1 |

BMP Implementation for: Ultra Low Flush (ULF) Toilet Rebates

Category: Rebate

Sector: Residential High Efficiency Toilet (HET) Rebate Project Cost per Rebate: \$50

| Year | | Units | Savings/Account gallons per account per day | Total Savings (gal/day) |
|------|------------|-------|---|-------------------------------|
| | Planned | 750 | 29 | 21,750 |
| 2007 | Reported | 971 | 29 | 28,159 |
| | Difference | 221 | | 6,409 |
| | Planned | 750 | 29 | 21,750 |
| 2008 | Reported | 1253 | 29 | 36,337 |
| | Difference | 503 | | 14,587 |
| | Planned | 1000 | 29 | 29,000 |
| 2009 | Reported | 3478 | 29 | 100,862 |
| | Difference | 2478 | | 71,862 |
| | Planned | 2000 | 29 | 58,000 |
| 2010 | Reported | 2622 | 29 | 76,038 |
| | Difference | 622 | | 18,038 |
| | Planned | 2000 | 29 | 58,000 |
| 2011 | Reported | 2566 | 29 | 74,414 |
| | Difference | 566 | | 16,414 |
| | Planned | 1200 | 29 | 34,800 |
| 2012 | Reported | 1220 | 29 | 35,380 |
| | Difference | 20 | | 580 |
| | Planned | 1500 | 29 | 43,500 |
| 2013 | Reported | 1547 | 29 | 44,863 |
| | Difference | 75 | | 2,175 |
| | Planned | 1500 | 29 | 43,500 |
| 2014 | Reported | 1558 | 29 | 45,182 |
| | Difference | 58 | | 1,682 |

| | Planned | 1450 | 29 | 42,050 |
|------|------------|------|----|--------|
| 2015 | Reported | 1887 | 29 | 54,723 |
| | Difference | 437 | | 12,673 |

BMP Implementation for: High Efficiency Toilet (HET) Category: Retrofit Sector: Multi-Family HET Retrofit Project

| Year | | Units | Savings/Unit Gallons per multi-family unit per day | Total Savings (gal/day) |
|------|------------|-------|--|-------------------------------|
| | Planned | 0 | 64 | 0 |
| 2007 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 64 | 0 |
| 2008 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | |
| | Planned | 310 | 64 | 19,840 |
| 2009 | Reported | 315 | 64 | 20,160 |
| | Difference | 5 | | 320 |
| | Planned | 0 | 64 | 0 |
| 2010 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 64 | 0 |
| 2011 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 64 | 0 |
| 2012 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 64 | 0 |
| 2013 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 64 | 0 |
| 2014 | Reported | 0 | 64 | 0 |
| | Difference | 0 | | 0 |

BMP Implementation for: Ultra Low Flush (ULF) Toilet Rebates

Category: Rebate

Sector: Multi-family High Efficiency Toilet (HET) Rebate Project

Cost per Rebate: \$50*

| Year | | Units | Savings/Unit Gallons per multi-family unit per day | Total Savings (gal/day) |
|------|------------|-------|--|-------------------------------|
| | Planned | 80 | 29 | 2,320 |
| 2015 | Reported | 588 | 29 | 17,052 |
| | Difference | 508 | | 14,732 |

^{*}Note: incorrectly combined with Residential High Efficiency Toilet Rebates in previous years

BMP Implementation for: High Efficiency Showerheads Category: Indoors Sector: Single Family - Showerhead Exchange Cost per Showerhead: \$3.00

| Year | | Units | Savings/Measure Gallons/measure/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| 2007 | Planned | 1600 | 35 | 56,000 |
| | Reported | 4194 | 35 | 146,790 |
| | Difference | 2594 | | 90,790 |
| 2008 | Planned | 1600 | 35 | 56,000 |
| | Reported | 2437 | 35 | 85,295 |
| | Difference | 837 | | 29,295 |
| 2009 | Planned | 1480 | 35 | 51,800 |
| | Reported | 2163 | 35 | 75,705 |
| | Difference | 683 | | 23,905 |
| 2010 | Planned | 1500 | 35 | 52,500 |
| | Reported | 1986 | 35 | 69,510 |
| | Difference | 486 | | 17,010 |
| 2011 | Planned | 1500 | 35 | 52,500 |
| | Reported | 1936 | 35 | 67,760 |
| | Difference | 436 | | 15,260 |
| 2012 | Planned | 1500 | 35 | 52,500 |
| | Reported | 3158 | 35 | 110,530 |
| | Difference | 1658 | | 58,030 |
| | Planned | 1100 | 35 | 38,500 |
| 2013 | Reported | 1228 | 35 | 42,980 |
| | Difference | 128 | | 4,480 |
| | Planned | 1500 | 35 | 52,500 |
| 2014 | Reported | 1991 | 35 | 69,685 |
| | Difference | 491 | | 17,185 |

| | Planned | 1500 | 35 | 52,500 |
|------|------------|-------|----|--------|
| 2015 | Reported | 2554 | 35 | 89,390 |
| | Difference | 1,054 | | 36,890 |

BMP Implementation for: High Efficiency Retrofit Kit

Category: Indoors

Sector: Single Family - Retrofit Kit (High Efficiency Bathroom & Kitchen Faucet Aerators and Dye Tablets) Note savings of 12 gallons per aerator. Currently 2 aerators per kit.

Cost per Retrofit Kit: \$2.83

| Year | | Units | Savings/Measure Gallons/measure/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 1600 | 12 | 19,200 |
| 2007 | Reported | 4194 | 12 | 50,328 |
| | Difference | 2594 | | 31,128 |
| | Planned | 1600 | 12 | 19,200 |
| 2008 | Reported | 2437 | 12 | 29,244 |
| | Difference | 837 | | 10,044 |
| | Planned | 1480 | 12 | 17,760 |
| 2009 | Reported | 1498 | 12 | 17,976 |
| | Difference | 18 | | 216 |
| | Planned | 1000 | 12 | 12,000 |
| 2010 | Reported | 1321 | 12 | 15,852 |
| | Difference | 321 | | 3,852 |
| | Planned | 1000 | 12 | 12,000 |
| 2011 | Reported | 1417 | 12 | 17,004 |
| | Difference | 417 | | 5,004 |
| | Planned | 1000 | 12 | 12,000 |
| 2012 | Reported | 2576 | 12 | 30,912 |
| | Difference | 1576 | | 18,912 |
| | Planned | 800 | 24 | 9,600 |
| 2013 | Reported | 890 | 24 | 10,680 |
| | Difference | 90 | | 1,080 |
| | Planned | 1000 | 24 | 24,000 |
| 2014 | Reported | 1893 | 24 | 45,432 |
| | Difference | 893 | | 21,432 |

| | Planned | 1000 | 24 | 24,000 |
|------|------------|------|----|--------|
| 2015 | Reported | 1345 | 24 | 32,280 |
| | Difference | 345 | | 8,280 |

BMP Implementation for: High Efficiency Showerheads Category: Indoors
Sector: Multi-Family – Showerhead Exchange
Cost per Showerhead: \$3.00

| Year | | Units | Savings/Measure Gallons/Unit/Day | Total Savings Gallons Per Day (gal/day) |
|------|------------|-------|-------------------------------------|---|
| | Planned | 1600 | 35 | 56,000 |
| 2007 | Reported | 4193 | 35 | 146,755 |
| | Difference | 2593 | | 90,755 |
| | Planned | 1600 | 35 | 56,000 |
| 2008 | Reported | 4000 | 35 | 140,000 |
| | Difference | 2400 | 35 | 84,000 |
| | Planned | 2120 | 35 | 74,200 |
| 2009 | Reported | 2130 | 35 | 74,550 |
| | Difference | 10 | | 350 |
| | Planned | 5000 | 35 | 175,000 |
| 2010 | Reported | 6519 | 35 | 228,165 |
| | Difference | 3485 | | 53,165 |
| | Planned | 2500 | 35 | 87,500 |
| 2011 | Reported | 2857 | 35 | 99,995 |
| | Difference | 357 | | 12,495 |
| | Planned | 2000 | 35 | 70,000 |
| 2012 | Reported | 2163 | 35 | 75,705 |
| | Difference | 163 | | 5,705 |
| | Planned | 800 | 35 | 28,000 |
| 2013 | Reported | 814 | 35 | 28,490 |
| | Difference | 14 | | 490 |
| | Planned | 1000 | 35 | 35,000 |
| 2014 | Reported | 1167 | 35 | 40,845 |
| | Difference | 67 | | 5,845 |

| | Planned | 1000 | 35 | 35,000 |
|------|------------|-------|----|---------|
| 2015 | Reported | 0 | 35 | 0 |
| | Difference | -1000 | | -35,000 |

BMP Implementation for: High Efficiency Retrofit Kit

Category: Indoors

Sector: Multi-Family – Retrofit Kit (High Efficiency Bathroom & Kitchen Faucet Aerators and Dye Tablets) Note savings of 12 gallons per aerator. Currently 2 aerators per kit.

Cost per Retrofit Kit: \$2.83

| Year | | Units | Savings/Measure Gallons/measure/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 1600 | 12 | 19,200 |
| 2007 | Reported | 4193 | 12 | 50,316 |
| | Difference | 2593 | | 31,116 |
| | Planned | 1600 | 12 | 19,200 |
| 2008 | Reported | 4000 | 12 | 48,000 |
| | Difference | 2400 | | 28,800 |
| | Planned | 2120 | 12 | 25,440 |
| 2009 | Reported | 2130 | 12 | 25,560 |
| | Difference | 10 | | 120 |
| | Planned | 2600 | 12 | 31,200 |
| 2010 | Reported | 5657 | 12 | 67,884 |
| | Difference | 3057 | | 36,684 |
| | Planned | 2000 | 12 | 24,000 |
| 2011 | Reported | 2618 | 12 | 31,416 |
| | Difference | 618 | | 7,416 |
| | Planned | 1500 | 12 | 18,000 |
| 2012 | Reported | 1567 | 12 | 18,804 |
| | Difference | 67 | | 804 |
| | Planned | 500 | 24 | 12,000 |
| 2013 | Reported | 662 | 24 | 15,888 |
| | Difference | 162 | | 3,888 |
| | Planned | 750 | 24 | 18,000 |
| 2014 | Reported | 576 | 24 | 13,824 |
| | Difference | -174 | | -4,176 |

| | | Planned | 750 | 24 | 18,000 |
|----|-----|------------|------|----|---------|
| 20 | 015 | Reported | 0 | 24 | 0 |
| | | Difference | -750 | | -18,000 |

BMP Implementation for: High Efficiency Aerators

Category: Indoors

Sector: Non-Residential Industrial, Commercial and Institutional (ICI) – Faucet Aerators

Cost per Retrofit Kit: \$0.50

| | Planned | 0 | 12 | 0 |
|------|------------|-----|----|-------|
| 2014 | Reported | 205 | 12 | 2,460 |
| | Difference | 205 | | 2,460 |
| | Planned | 0 | 12 | 0 |
| 2015 | Reported | 0 | 12 | 0 |
| | Difference | 0 | | 0 |

BMP Implementation for: High Efficiency Showerheads Rebate Category: Indoors
Sector: Single Family - Showerhead Rebate
Cost per Rebate: \$25.00*

| Year | | Units | Savings/Measure Gallons/Unit/Day | Total Savings Gallons Per Day (gal/day) |
|------|------------|-------|-------------------------------------|---|
| | Planned | 0 | 35 | 0 |
| 2007 | Reported | 0 | 35 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 35 | 0 |
| 2008 | Reported | 0 | 35 | 0 |
| | Difference | 0 | 35 | 0 |
| | Planned | 0 | 35 | 0 |
| 2009 | Reported | 0 | 35 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 35 | 0 |
| 2010 | Reported | 0 | 35 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 35 | 0 |
| 2011 | Reported | 0 | 35 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 50 | 35 | 1750 |
| 2012 | Reported | 23 | 35 | 805 |
| | Difference | -27 | | -945 |
| | Planned | 50 | 35 | 1750 |
| 2013 | Reported | 46 | 35 | 1610 |
| | Difference | -4 | | -140 |
| | Planned | 0 | 35 | 0 |
| 2014 | Reported | 59 | 35 | 2,065 |
| | Difference | 59 | | 2,065 |

| 2015 | Planned | 0 | 35 | 0 |
|------|------------|-----|----|-------|
| | Reported | 167 | 35 | 5,845 |
| | Difference | 167 | | 5,845 |

*Note: change from \$10/rebate

BMP Implementation for: High Efficiency Faucet Rebate Category: Indoors Sector: Single Family - Faucet Rebate Cost per Rebate: \$25.00*

| Year | | Units | Savings/Measure Gallons/Unit/Day | Total Savings Gallons Per Day (gal/day) |
|------|------------|-------|-------------------------------------|---|
| | Planned | 0 | 12 | 0 |
| 2007 | Reported | 0 | 12 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 12 | 0 |
| 2008 | Reported | 0 | 12 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 12 | 0 |
| 2009 | Reported | 0 | 12 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 12 | 0 |
| 2010 | Reported | 0 | 12 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 0 | 12 | 0 |
| 2011 | Reported | 0 | 12 | 0 |
| | Difference | 0 | | 0 |
| | Planned | 50 | 12 | 600 |
| 2012 | Reported | 107 | 12 | 1284 |
| | Difference | 57 | | 684 |
| | Planned | 50 | 12 | 600 |
| 2013 | Reported | 120 | 12 | 1440 |
| | Difference | 70 | | 840 |
| | Planned | 0 | 12 | 0 |
| 2014 | Reported | 151 | 12 | 1,812 |
| | Difference | 151 | | 1,812 |

| 2015 | Planned | 0 | 12 | 0 |
|------|------------|-----|----|-------|
| | Reported | 433 | 12 | 5,196 |
| | Difference | 433 | | 5,196 |

*Note: change from \$10/rebate

BMP Implementation for: Water-Efficient Landscape and Irrigation Evaluations and Rebates

Category: Landscape and Irrigation Evaluations with Rebates

Sector: Large Property Landscape Evaluation with Smart Controller

Cost per Rebate: \$2,850

| Year | | Units | Savings/Account Gallons/account/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 20 | 35,000 | 700,000 |
| 2007 | Reported | 20 | 35,000 | 700,000 |
| | Difference | 0 | | |
| | Planned | 20 | 35,000 | 700,000 |
| 2008 | Reported | 50 | 35,000 | 1,750,000 |
| | Difference | 30 | | 1,050,000 |
| | Planned | 20 | 35,000 | 700,000 |
| 2009 | Reported | 25 | 35,000 | 875,000 |
| | Difference | 5 | | 175,000 |
| | Planned | 25 | 35,000 | 875,000 |
| 2010 | Reported | 26 | 35,000 | 910,000 |
| | Difference | 1 | | 35,000 |
| | Planned | 35 | 35,000 | 1,225,000 |
| 2011 | Reported | 44 | 35,000 | 1,540,000 |
| | Difference | 9 | | 315,000 |
| | Planned | 25 | 35,000 | 875,000 |
| 2012 | Reported | 36 | 35,000 | 1,260,000 |
| | Difference | 11 | | 385,000 |
| | Planned | 26 | 35,000 | 910,000 |
| 2013 | Reported | 28 | 35,000 | 980,000 |
| | Difference | 2 | | 70,000 |
| | Planned | 27 | 35,000 | 945,000 |
| 2014 | Reported | 25 | 35,000 | 875,000 |
| | Difference | -2 | | -70,000 |

| | 2015 | Planned | 69 | 35,000 | 2,415,000 |
|--|------|------------|-----|--------|-----------|
| | | Reported | 42 | 35,000 | 1,470,000 |
| | | Difference | -27 | | -945,000 |

BMP Implementation for: Water-Efficient Landscape and Irrigation Evaluations and Rebates Category: Landscape and Irrigation Evaluations with Rebates Sector: Single Family Homes (UCU) Landscape Evaluation and Rebate

Cost per Rebate: \$500

| Year | | Units | Savings/Account Gallons/account/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 0 | 233 | 0 |
| 2007 | Reported | 0 | 233 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 233 | 0 |
| 2008 | Reported | 0 | 233 | 0 |
| | Difference | 0 | | |
| | Planned | 200 | 233 | 46,600 |
| 2009 | Reported | 200 | 233 | 46,600 |
| | Difference | 0 | | |
| | Planned | 120 | 233 | 27,960 |
| 2010 | Reported | 131 | 233 | 30523 |
| | Difference | 11 | | 2563 |
| | Planned | 120 | 233 | 27,960 |
| 2011 | Reported | 145 | 233 | 33,785 |
| | Difference | 25 | | 5,825 |
| | Planned | 100 | 233 | 23,300 |
| 2012 | Reported | 81 | 233 | 18,873 |
| | Difference | -19 | | -4427 |
| | Planned | 75 | 233 | 17,475 |
| 2013 | Reported | 58 | 233 | 13,514 |
| | Difference | 17 | | -3961 |
| | Planned | 75 | 233 | 17,475 |
| 2014 | Reported | 75 | 233 | 17,475 |
| | Difference | 17 | | 0 |

| | Planned | 195 | 233 | 45,435 |
|------|------------|------|-----|---------|
| 2015 | Reported | 84 | 233 | 19,572 |
| | Difference | -111 | | -25,863 |

BMP Implementation for: Non-residential Water-Use Evaluations/Implementations Category: Evaluations Without Rebates

Sector: Non-Residential – County Owned Facilities Landscape Evaluation

Cost per Evaluation - \$250

| Year | | Units | Savings/Measure Gallons/measure/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 22 | 1,500 | 33,000 |
| 2007 | Reported | 22 | 1,500 | 33,000 |
| | Difference | 0 | | |
| | Planned | 10 | 1,500 | 15,000 |
| 2008 | Reported | 38 | 1,500 | 57,000 |
| | Difference | 28 | | 42,000 |
| | Planned | 0 | 1,500 | 0 |
| 2009 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 1,500 | 0 |
| 2010 | Reported | 3 | 1,500 | 4500 |
| | Difference | 3 | | 4500 |
| | Planned | 10 | 1,500 | 15000 |
| 2011 | Reported | 7 | 1,500 | 10,500 |
| | Difference | 3 | | -4,500 |
| | Planned | 0 | 1500 | 0 |
| 2012 | Reported | 16 | 1500 | 24,000 |
| | Difference | 16 | | 24,000 |
| | Planned | 0 | 1500 | 0 |
| 2013 | Reported | 0 | 1500 | 0 |
| | Difference | | | |
| | Planned | 0 | 1500 | 0 |
| 2014 | Reported | 1 | 1500 | 1500 |
| | Difference | 1 | | 1500 |

| | Planned | 0 | 1500 | 0 |
|------|------------|---|------|---|
| 2015 | Reported | 0 | 1500 | 0 |
| | Difference | 0 | | 0 |

BMP Implementation for: Non-residential Water-Use Evaluations/Implementations Category: Evaluations Without Rebates

Sector: Non-Residential – Green Restaurant Program

Cost per Evaluation and Spray Nozzle: \$250

| Year | | Units | Savings/Measure Gallons/measure/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 0 | 100 | 0 |
| 2007 | Reported | 0 | 100 | 0 |
| | Difference | 0 | | |
| | Planned | 12 | 100 | 1,200 |
| 2008 | Reported | 14 | 100 | 1,400 |
| | Difference | 2 | | 200 |
| | Planned | 12 | 100 | 1,200 |
| 2009 | Reported | 12 | 100 | 1,200 |
| | Difference | 0 | | |
| | Planned | 12 | 100 | 1,200 |
| 2010 | Reported | 11 | 100 | 1,100 |
| | Difference | -1 | | -100 |
| | Planned | 0 | 100 | 0 |
| 2011 | Reported | 0 | 100 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 100 | 0 |
| 2012 | Reported | 0 | 100 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 100 | 0 |
| 2013 | Reported | 0 | 100 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 100 | 0 |
| 2014 | Reported | 9 | 100 | 900 |
| | Difference | 0 | | 900 |

| | Planned | 0 | 100 | 0 |
|------|------------|---|-----|---|
| 2015 | Reported | 0 | 100 | 0 |
| | Difference | 0 | | 0 |

BMP Implementation for: Non-residential Water-Use Evaluations/Implementations Category: Evaluations Without Rebates
Sector: Non-Residential – Green Lodging Project

Cost per Evaluation: \$250

| Year | | Units | Savings/Measure gallons/measure/day | Total Savings (gal/day) |
|------|------------|-------|--|----------------------------|
| | Planned | 0 | 1,617 | 0 |
| 2007 | Reported | 0 | 1,617 | 0 |
| | Difference | 0 | | |
| | Planned | 12 | 1,617 | 19,404 |
| 2008 | Reported | 17 | 1,617 | 27,489 |
| | Difference | 5 | | 8,085 |
| | Planned | 12 | 1,617 | 19,404 |
| 2009 | Reported | 21 | 1,617 | 33,957 |
| | Difference | 9 | | 14,553 |
| | Planned | 0 | 1,617 | 0 |
| 2010 | Reported | 4 | 1,617 | 6,468 |
| | Difference | 4 | | 6,468 |
| | Planned | 0 | 1,617 | 0 |
| 2011 | Reported | 3 | 1,617 | 4,851 |
| | Difference | 3 | | 4,851 |
| | Planned | 0 | 1,617 | 0 |
| 2012 | Reported | 2 | 1,617 | 3234 |
| | Difference | 2 | | 3234 |
| | Planned | 0 | 1,617 | 0 |
| 2013 | Reported | 1 | 1,617 | 1,617 |
| | Difference | 1 | | 1,617 |
| | Planned | 0 | 1,617 | 0 |
| 2014 | Reported | 1 | 1,617 | 1,617 |
| | Difference | 1 | | 1,617 |

| | Planned | 1 | 1,617 | 1,617 |
|------|------------|----|-------|---------|
| 2015 | Reported | 80 | 1,617 | 129,360 |
| | Difference | 79 | | 127,743 |

BMP Implementation for: Non-residential Water-Use Evaluations/Implementations Category: Evaluations Without Rebates

Sector: Non-Residential Industrial, Commercial and Institutional (ICI) – Private Facilities

No Expenditures in 2015

| Year | | Units | Savings/Measure (gpmd) | Total Savings (gal/day) |
|------|------------|-------|---------------------------|----------------------------|
| | Planned | 22 | 1,500 | 33,000 |
| 2007 | Reported | 22 | 1,500 | 33,000 |
| | Difference | 0 | | |
| | Planned | 10 | 1,500 | 15,000 |
| 2008 | Reported | 38 | 1,500 | 57,000 |
| | Difference | 28 | | 42,000 |
| | Planned | 0 | 1,500 | 0 |
| 2009 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 1,500 | 0 |
| 2010 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 1,500 | 0 |
| 2011 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 1,500 | 0 |
| 2012 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 1,500 | 0 |
| 2013 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | |
| | Planned | 0 | 1,500 | 0 |
| 2014 | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | 0 |

| 2015 | Planned | 0 | 1,500 | 0 |
|------|------------|---|-------|---|
| | Reported | 0 | 1,500 | 0 |
| | Difference | 0 | | 0 |