

**CPS ENERGY**  
**Quarterly STEP Report to the**  
**CITY OF SAN ANTONIO**

**3rd QUARTER**  
**FOR CPS ENERGY FISCAL YEAR 2015**

**Prepared November 2014**

## **Executive Summary**

Ordinance 2009-05-21-0399 authorizes the funding of the CPS Energy conservation and sustainability STEP (Save for Tomorrow Energy Plan) program. The STEP Program is a demand management program designed to encourage customers to improve the energy efficiency of their homes, buildings and processes, thereby saving electricity and reducing system demand. The goal of the program is to avoid 771 megawatts (MW) of demand growth between 2009 and 2020. The 771 MW is equivalent to the capacity of a large power plant. To put this into perspective, the CPS Energy Spruce 1 power plant has a generation capacity of 575 MW, and the newest Spruce 2 has a generation capacity of 750 MW of electricity.

In the short term, all customers will enjoy the benefits of a reduction in overall system fuel costs. Those participating proactively in the programs by installing high-efficiency air conditioning/heating units, installing Smart Thermostat programmable thermostats and home efficiency updates will lower their energy use and monthly bills. In the long term, customers will benefit from a delay in the need for additional generation capacity and the rate increases to support the additional capacity. In addition, approximately 111 contracting firms have participated in our commercial and industrial rebate programs, 665 contracting firms have participated in our residential rebate programs, and 24 contracting firms have participated in our solar rebate programs. This work benefits our local economy.

For the purpose of accountability and transparency, specific procedures have been outlined and noted in the City Ordinance that supports STEP. The quarterly reports are part of the accountability procedures used to assist City staff in evaluating the program in terms of savings and total costs, which are estimated at \$849 million over the 11 year period. The annual cost ranges from \$12.3 million to \$90 million, approximately \$8 million of which is currently recovered in the base rates, and the remaining amount is recovered through an adjustment in the fuel surcharge.

Since inception in CPS Energy FY2009, CPS Energy has quantified a cumulative demand reduction of approximately 345 MW or 345,018 kilowatts (kW)\*.

## **Program Expectations**

The use of demand side management energy programs such as STEP enables customers who participate directly in the program to lower their utility bills almost immediately. Those customers who do not directly participate still benefit in the short run because lower kilowatt per hour system usage will reduce overall system fuel costs and produce fuel savings to all customers. All customers benefit in the long term as CPS Energy will be able to postpone the need for building additional generation capacity and raising utility rates to finance the construction of new generation.

\*Reduction is through FY2014. Current year reduction will be included after Measurement & Verification (M&V) results are available (approx. May 2015).

**For FY2015 the goal is to reduce demand by 142 MW (141,641 kilowatts).**

Another program expectation exhibited in the City Ordinance is the STEP Funding Accountability Procedures CPS Energy must follow. The procedures are listed below:

- All funds collected for STEP programs, either from base rates or through the fuel adjustment, must be accounted for separately.
- CPS Energy shall provide an annual report, prepared by an independent third party consultant, to the City which quantifies the kilowatt savings from STEP expenditures by customer class and other measures deemed necessary by the City.
- Based on the report provided and the amount of STEP expenditures determined to be eligible for recovery through the fuel adjustment, CPS Energy will calculate the annual kilowatt per hour charge. The report will be reviewed and approved by City staff before implementation of the kilowatt per hour charge.
- City staff will monitor the recovery through the fuel adjustment on a monthly basis. Annually, the amount of under or over recovery, if any, will be determined and the fuel adjustment will be adjusted accordingly to ensure that only the amount of eligible STEP expenditures are recovered.
- CPS Energy must maintain documentation of all STEP expenditures, by customer class and other measures deemed necessary by the City.
- CPS Energy shall provide quarterly reports to the City staff which show year to date STEP expenditures by program and customer class, funds accumulated and estimated kilowatt savings, and other measures deemed necessary by the City.
- Examples of detailed quarterly report information include but are not limited to the following: number of kilowatts saved by customer class and program type; the number of participants and contractors; geographic area and council district program activity; and, total costs/expenditures by program type.
- CPS Energy shall provide an annual report to the City which shows the incentive payments made as a result of the Commercial Demand Response program for the prior 12 months and other measures deemed necessary by the City.
- A quarterly report detailing information shall be made available to the public with sufficient protection regarding confidential information as deemed necessary by the City.

### **Funding Recovery**

The total cost of the STEP Program during the 2009 to 2020 time period is estimated at \$849 million with an annual cost ranging from \$12.3 million to \$90 million, of which approximately \$8 million annually is to be recovered in base rates. The remaining annual amount would be recovered through an adjustment in the fuel surcharge. The cost recovery would begin in the following fiscal year and be subject to third party review and verification of incremental kilowatt reduction. Customers could offset the additional costs of these fuel surcharges by implementing some of the STEP energy efficiency measures.

The CPS Energy fiscal year runs from February 1<sup>st</sup> through January 31<sup>st</sup>, and the fiscal year is denoted by the year in which the fiscal year ends. For example, CPS Energy FY 2015 would be the period from February 1, 2014 through January 31, 2015.

Following is a synopsis of STEP recovery to date and the recoverable amounts for the recovery that started in July of 2014 for fiscal year ending in 2014 (FY2014):

Table 1:

Fiscal Year	Recoverable Amounts	Actual Recovery	Cumulative Over/(Under)
2009	\$3,489,514	\$4,060,315	\$570,801
2010	\$12,222,745	\$13,942,711	\$2,290,767
2011	\$19,588,918	\$19,907,374	\$2,609,223
2012	\$30,697,067	\$27,495,601	\$(592,243)
2013	\$50,534,910	\$51,158,184	\$31,031
2014	\$55,407,519	TBD(Jul14-Jun15)	TBD

For the calculations of the adjustments to the fuel surcharge listed below, a majority of the Over Recovery was taken into account, and the remaining amounts will be taken into account when the FY 2015 fuel surcharge adjustment is calculated.

FY	Incremental STEP Cost	Recovery Period	Residential Impact per 1000 kWh
			STEP
2009	\$3.5M	Jul09-Jul10*	\$0.21
2010	\$11.7M	Aug10-Jul11*	\$0.77
2011	\$17.4M	Aug11-Jul12*	\$1.09
2012	\$28.2M	Aug12-Jun13	\$1.74
2013	\$50.8M	Jul13-Jun14	\$2.78
2014	\$55.0M	Jul14-Jun15	\$3.00

\*Note: Recovery Period for FY 2009, originally Jul09-Jun10, was extended thru Jul10 for Annual Report compilation & both CPS Energy and City staff evaluation.  
 Recovery Period for FY 2010, originally Aug10-Jun11, was extended thru Jul11 for Annual Report compilation & both CPS Energy and City staff evaluation.  
 Recovery Period for FY 2011, originally Aug11-Jun12, was extended thru Jul12 for Annual Report compilation & both CPS Energy and City staff evaluation.

As noted in table 1 above, a new STEP recovery factor was implemented in July 2014, with recovery going through June 2015. This recovery factor was based on the CPS Energy FY2014 STEP expenditures of \$64,028,631. Removing the base rate recovery, the recoverable amount for FY2013 was \$55,407,519. After factoring in the estimated over/under recovery, this left \$55,048,151 to be recovered in the adjustment to the fuel surcharge.

## **Residential Programs**

HVAC Program – offers incentives for the purchase of eligible high efficiency central air conditioners, heat pumps and room air conditioners.

Home Efficiency Program – targets a wide range of energy efficiency measures that save cooling and heating energy in existing homes.

Air Flow Program – offers incentives for repair and/or replacement of duct work to improve the overall efficiency of heating and cooling system.

Smart Thermostat Program – a residential air-conditioner demand response control program. CPS Energy will install a free Honeywell programmable thermostat in participating customers' homes when they enroll in the program. CPS Energy uses the thermostat to cycle off the compressor of participating air conditioners during periods of peak demand throughout the summer (May – September).

Solar Photovoltaic & Water Heaters – offers incentives for the installation of both solar photovoltaic systems and solar water heaters.

New Residential Construction – offers incentives to developers to build at least 15% more energy efficient than current CoSA building codes.

Refrigerator Recycling – offers incentives to homeowners to recycle old/extra refrigerators and freezers to remove inefficient appliances from use.

Lighting Program – CPS Energy is beginning the transition from CFL to the more efficient LED as the cost of light emitting diodes and related technology become financially feasible as an energy efficiency measure. CPS Energy entered a partnership with HEB that substantially reduced the cost of 200,000 LED bulbs to CPS Energy customers for a successful one week program.

## **Commercial Programs**

Lighting Program – offers incentives to customers who install efficient lighting in their facilities. Incentives are offered for both retrofit and new construction projects.

HVAC Program – offers incentives for the installation of high efficiency unitary AC equipment, heat pump and chillers.

Lean Clean Energy – offers incentives for industrial customers to evaluate their energy use and make efficiency upgrades.

Solar Photovoltaic & Water Heaters – offers incentives for the installation of both solar photovoltaic systems and solar water heaters.

New Commercial Construction – offers incentives to developers to build at least 15% more energy efficient than current CoSA building codes.

Commercial Custom – provides a comprehensive platform for cost-effective efficiency measures not addressed by the other commercial rebate offerings.

Other Commercial Programs – includes incentives for the installation of custom projects.

### **Additional Programs**

Weatherization - Is an assistance program designed to help families in need reduce their monthly utility bills. Eligible participants, whether they are homeowners or renters, may receive free weatherization upgrades designed to increase the energy efficiency of their homes.

Home Manager – Is an innovative home energy management system, designed by Consort, Inc. Wireless devices are placed on a participant's air conditioner, water heater and pool pump where applicable, and combined with a new digital thermostat which communicates with an electric meter equipped with an internal communications gateway. This gateway is the brain of the Home Manager system, and it uses a wireless network to relay information between a CPS Energy data center and the system devices installed in the home. In addition, Home Manager gives the customer the ability to remotely control their system through the Home Manager gateway.

### **CPS Energy FY 2015 3<sup>rd</sup> Quarter STEP Report**

Attachment A illustrates the kW reduction and dollars expended for the various commercial and residential efficiency and demand response programs. The data are presented for the 3<sup>rd</sup> Quarter only. Since the fiscal year for CPS Energy runs from February 1 to January 31, the 3<sup>rd</sup> Quarter covers August 1, 2014 through October 31, 2014.

Attachment B shows the 3<sup>rd</sup> Quarter rebate dollars broken down by City Council District. The table shows the numerical data, and the charts are a graphical representation of the numerical data. The Weatherization dollars included only represent the cost of the measures installed. This attachment does not include Smart Thermostat, Home Manager or Demand Response installations, as these are demand response programs and not energy efficiency per se, nor does it include New Home Construction installations as these rebates are provided directly to home builders and not to individual customer accounts.

Attachment C shows the 3<sup>rd</sup> Quarter number of rebates broken down by City Council District. The table shows the numerical values, and the charts are a graphical representation of the numerical data. This attachment does not include Smart Thermostat, Home Manager or Demand Response installations, as these are demand response programs and not energy efficiency per se, nor does it include New Home Construction installations as these rebates are provided directly to home builders and not to individual customer accounts.

Attachment D shows the cumulative rebate dollars broken down by City Council District. The table shows the numerical data, and the charts are a graphical representation of the numerical data. The Weatherization dollars included only represent the cost of the measures installed. This attachment does not include Smart Thermostat, Home Manager or Demand Response installations, as these are demand response programs and not energy efficiency per se, nor does it include New Home Construction installations as these rebates are provided directly to home builders and not to individual customer accounts.

Attachment E shows the cumulative number of rebates broken down by City Council District. The table shows the numerical values, and the charts are a graphical representation of the numerical data. This attachment does not include Smart Thermostat, Home Manager or Demand Response installations, as these are demand response programs and not energy efficiency per se, nor does it include New Home Construction installations as these rebates are provided directly to home builders and not to individual customer accounts.

Attachment F illustrates the cumulative rebate locations overlaid on a map of Bexar County and the City Council Districts. As with Attachments B – E, Smart Thermostat and Home Manager installations are not included in the data, as these are demand response and not an energy rebate program.

Attachment G illustrates the cumulative rebate locations overlaid on the various census tract income segments.

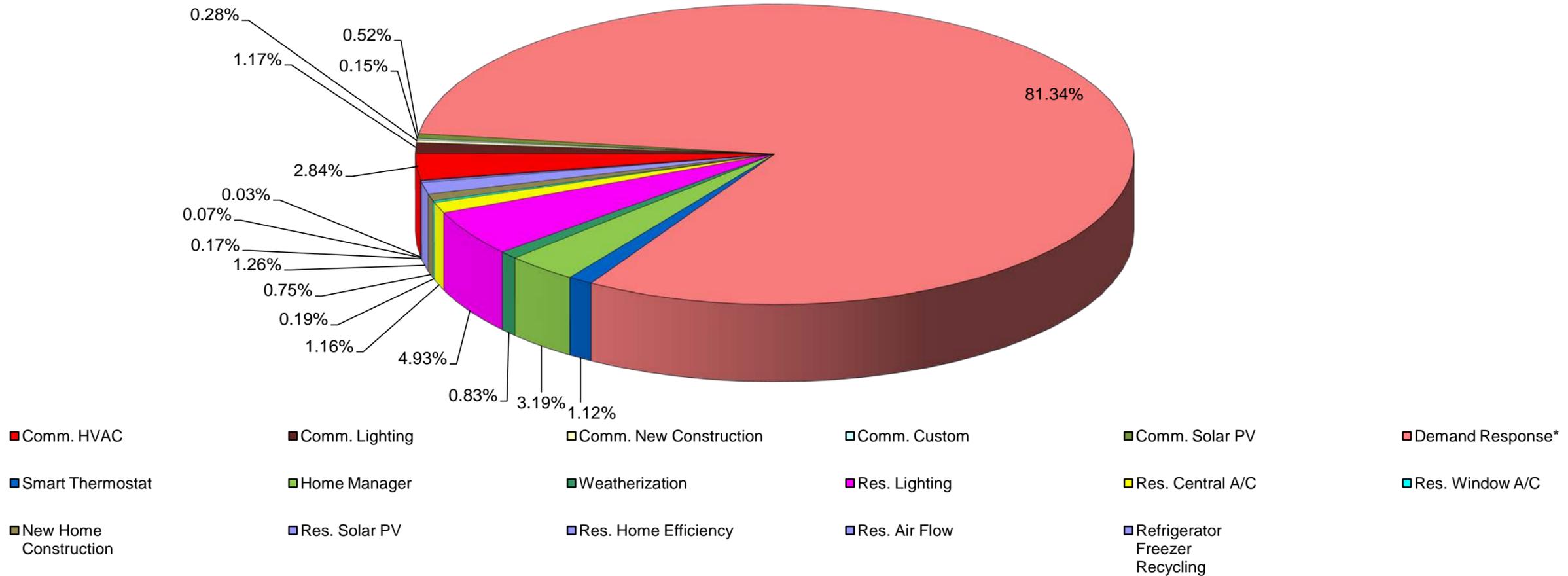
## 3rd Quarter Energy Efficiency & Demand Response Summary Aug 1, 2014 - Oct 31, 2014



	Comm. HVAC	Comm. Lighting	Comm. New Construction	Comm. Custom	Comm. Solar PV	Demand Response*	Smart Thermostat	Home Manager	Weatherization	Res. Lighting	Res. Central A/C	Res. Window A/C	New Home Construction	Res. Solar PV	Res. Home Efficiency	Res. Air Flow	Refrigerator Freezer Recycling	Total
<b>kW reduction</b>	2919.07	1197.25	291.00	151.00	535.02	83532.00	1147.00	3280.22	854.94	5060.00	1,188.79	194.22	766.70	1292.28	179.36	73.58	30.58	<b>102,693</b>
<b>Rebate Dollars</b>	\$1,072,345	\$968,673	\$221,269	\$86,801	\$668,923	\$3,118,600	\$2,641,732	\$2,271,872	\$4,088,388	\$1,000,000	\$1,067,268	\$108,950	\$567,400	\$2,058,221	\$244,772	\$171,596	\$19,875	<b>\$20,376,685</b>

\*Includes C&I Demand Response and Auto Demand Response

### kW reduction



\* RESULTS HAVE NOT BEEN AUDITED. FINANCIAL INFORMATION CONTAINED WITHIN THE STEP QUARTERLY REPORT SOLELY REFLECTS THE REBATES ALLOCATED IN ACCORDANCE WITH CPS ENERGY CUSTOMER DEMAND. THIS FINANCIAL INFORMATION IS ONLY A PORTION OF THE TOTAL STEP EXPENDITURES. ACTUAL STEP EXPENDITURES, CONFIRMED BY AN INDEPENDENT THIRD-PARTY, ARE STATED WITHIN THE ANNUAL STEP MEASUREMENT AND VERIFICATION (M&V) REPORT. THE INFORMATION AND DATA PROVIDED ON THE REPORT ARE PROVIDED FOR REFERENCE PURPOSES ONLY AND ARE PROVIDED TO THE USER OF THIS REPORT "AS IS" WITHOUT ANY WARRANTIES OF ANY TYPE, EXPRESS OR IMPLIED.

# Attachment - B

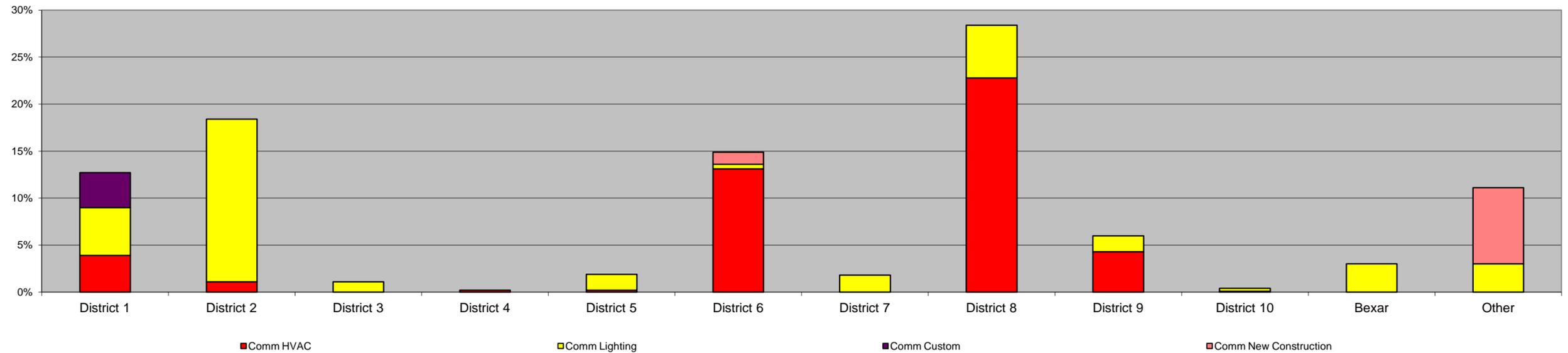
## 3rd Quarter Aug 1, 2014 - Oct 31, 2014 Rebates \$ by Council District



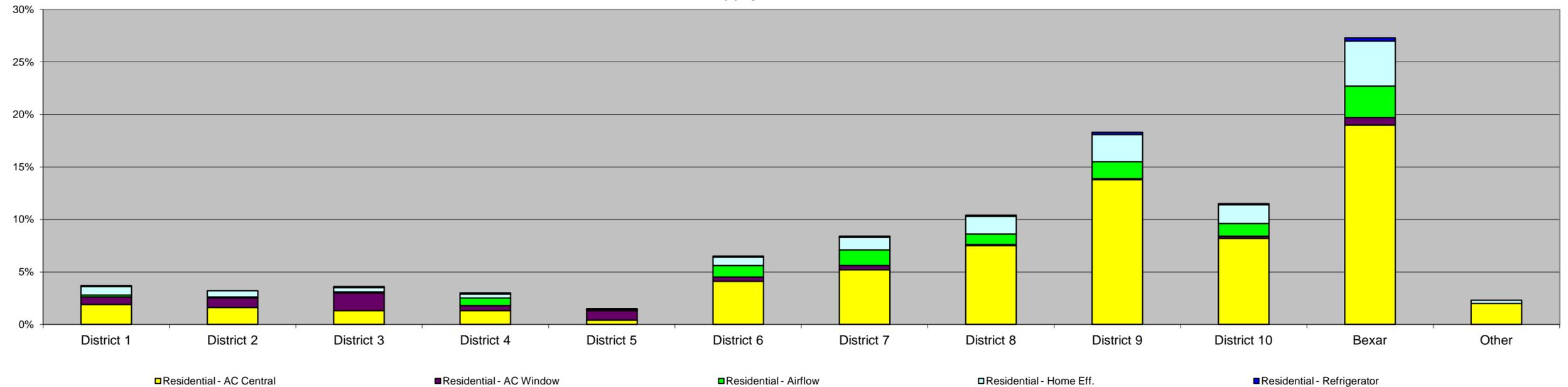
Rebate Dollars (\$)													
	District 1	District 2	District 3	District 4	District 5	District 6	District 7	District 8	District 9	District 10	Bexar	Other	Total
Comm HVAC	\$ 91,500	\$ 25,125	\$ -	\$ 4,500	\$ 4,500	\$ 308,550	\$ -	\$ 535,875	\$ 100,495	\$ 1,800	\$ -	\$ -	\$ 1,072,345
Comm Lighting	\$ 120,053	\$ 407,444	\$ 24,848	\$ -	\$ 38,771	\$ 12,452	\$ 43,043	\$ 131,547	\$ 39,933	\$ 7,800	\$ -	\$ 71,151	\$ 968,673
Comm Custom (Other)	\$ 86,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,801
Comm New Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 221,269
Comm Solar PV	\$ -	\$ 39,293	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 76,516	\$ 171,170	\$ -	\$ -	\$ 55,513	\$ 668,922
<b>Commercial Total</b>	<b>\$ 298,354</b>	<b>\$ 471,862</b>	<b>\$ 184,848</b>	<b>\$ 4,500</b>	<b>\$ 43,271</b>	<b>\$ 351,745</b>	<b>\$ 43,043</b>	<b>\$ 743,938</b>	<b>\$ 311,598</b>	<b>\$ 9,600</b>	<b>\$ 126,664</b>	<b>\$ 428,587</b>	<b>\$ 3,018,010</b>
Residential - AC Central	\$ 30,068	\$ 25,843	\$ 20,163	\$ 20,918	\$ 5,740	\$ 66,250	\$ 83,613	\$ 120,890	\$ 223,015	\$ 131,610	\$ 306,885	\$ 32,275	\$ 1,067,270
Residential - AC Window	\$ 11,500	\$ 15,200	\$ 27,050	\$ 8,850	\$ 14,650	\$ 5,950	\$ 6,950	\$ 1,250	\$ 2,350	\$ 2,550	\$ 11,950	\$ 700	\$ 108,950
Residential - Airflow	\$ 2,675	\$ 1,750	\$ 1,875	\$ 11,615	\$ 1,250	\$ 17,175	\$ 24,390	\$ 16,775	\$ 26,165	\$ 19,315	\$ 48,611	\$ -	\$ 171,596
Residential - Home Eff.	\$ 12,369	\$ 10,104	\$ 6,512	\$ 5,781	\$ 2,202	\$ 13,474	\$ 19,723	\$ 27,860	\$ 42,414	\$ 29,696	\$ 69,025	\$ 5,612	\$ 244,772
Residential - Refrigerator	\$ 1,420	\$ 560	\$ 1,290	\$ 890	\$ 425	\$ 1,420	\$ 2,180	\$ 1,195	\$ 2,685	\$ 1,885	\$ 5,165	\$ 760	\$ 19,875
Residential - Solar PV	\$ 20,775	\$ 9,234	\$ 34,872	\$ 28,849	\$ 11,353	\$ 141,017	\$ 73,221	\$ 176,626	\$ 168,480	\$ 68,909	\$ 1,060,974	\$ 263,912	\$ 2,058,222
Residential - Weatherization*	\$ 402,297	\$ 547,567	\$ 424,244	\$ 307,079	\$ 586,847	\$ 201,866	\$ 304,713	\$ 12,340	\$ 19,319	\$ 29,694	\$ 85,479	\$ 901	\$ 2,922,346
<b>Residential Total</b>	<b>\$ 481,104</b>	<b>\$ 610,258</b>	<b>\$ 516,006</b>	<b>\$ 383,982</b>	<b>\$ 622,467</b>	<b>\$ 447,152</b>	<b>\$ 514,790</b>	<b>\$ 356,936</b>	<b>\$ 484,428</b>	<b>\$ 283,659</b>	<b>\$ 1,588,089</b>	<b>\$ 304,160</b>	<b>\$ 6,593,031</b>
<b>Total</b>	<b>\$ 779,458</b>	<b>\$ 1,082,120</b>	<b>\$ 700,854</b>	<b>\$ 388,482</b>	<b>\$ 665,738</b>	<b>\$ 798,897</b>	<b>\$ 557,833</b>	<b>\$ 1,100,874</b>	<b>\$ 796,026</b>	<b>\$ 293,259</b>	<b>\$ 1,714,753</b>	<b>\$ 732,747</b>	<b>\$ 9,611,041</b>

\*Weatherization dollars include only the installation cost of weatherization measures in the home

### Commercial Rebates (\$) by Council District w/o Solar



### Residential Rebates (\$) by Council District w/o Solar & Weatherization

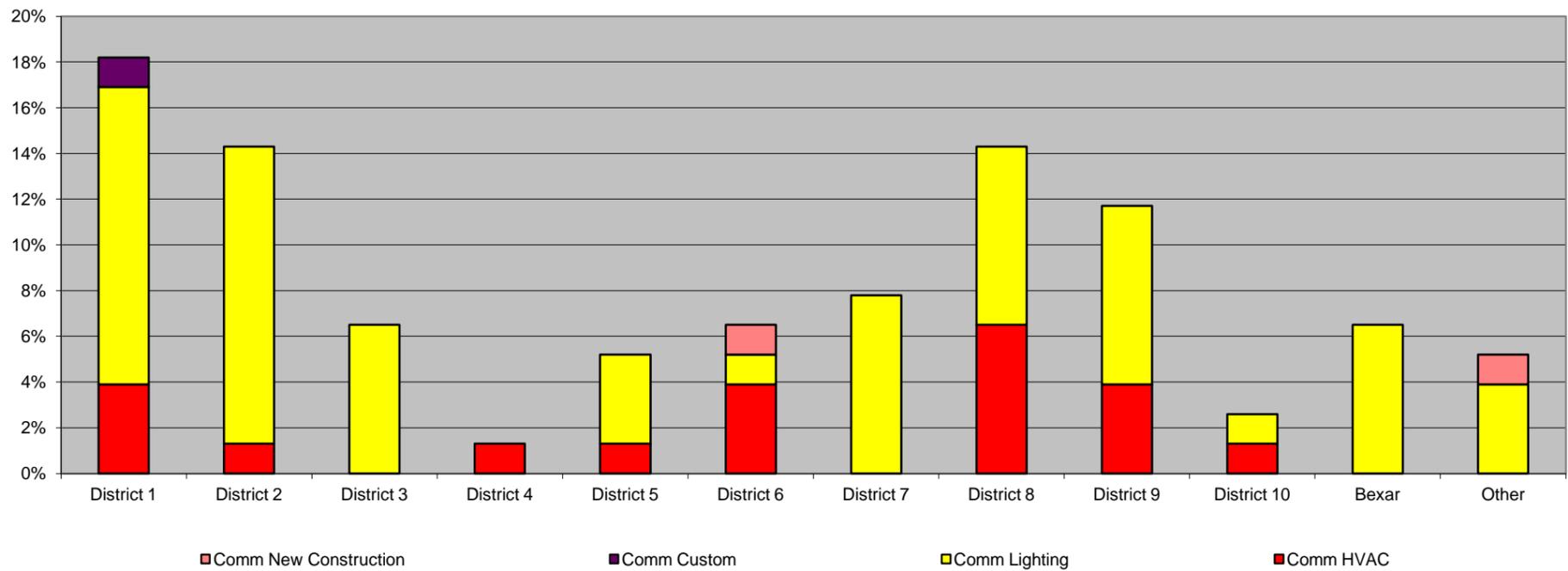


3rd Quarter  
 Rebates by Council District Summary  
 Aug 1, 2014 - Oct 31, 2014

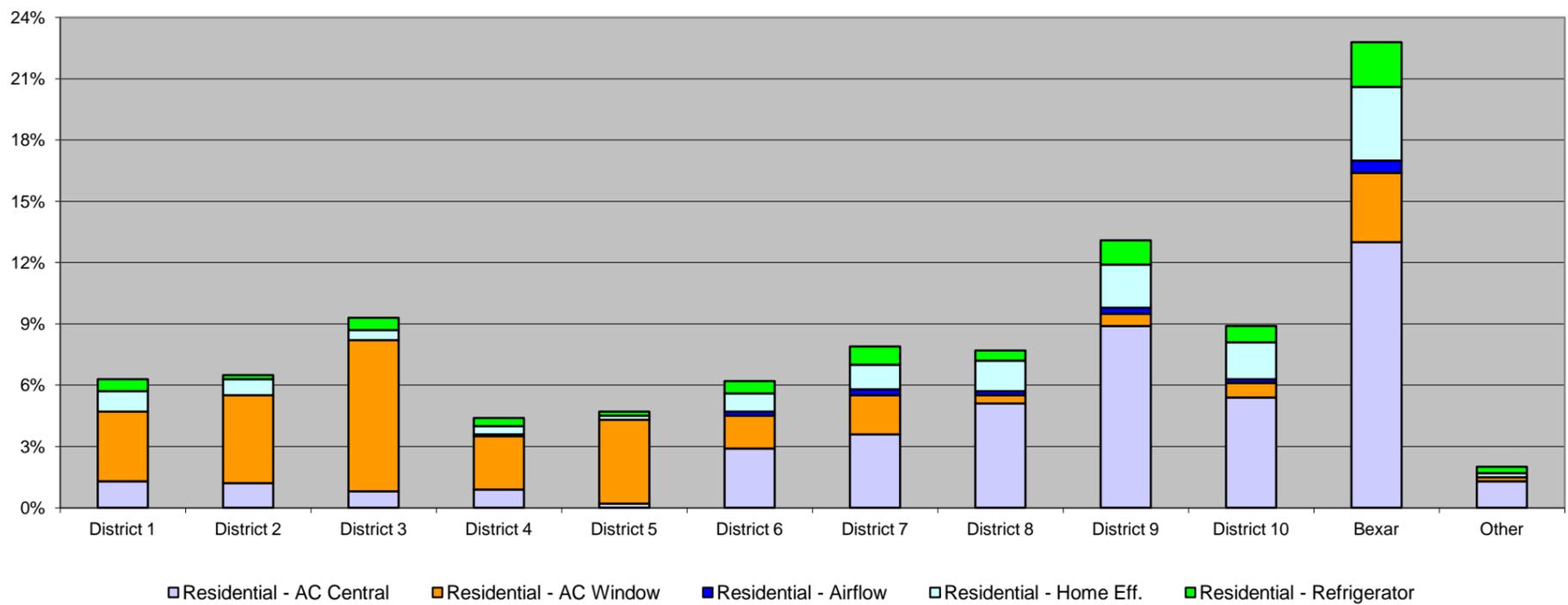


	District 1	District 2	District 3	District 4	District 5	District 6	District 7	District 8	District 9	District 10	Bexar	Other Counties	Total
Comm HVAC	3	1	0	1	1	3	0	5	3	1	0	0	18
Comm Lighting	10	10	5	0	3	1	6	6	6	1	5	3	56
Comm Custom (Other)	1	0	0	0	0	0	0	0	0	0	0	0	1
Comm New Construction	0	0	0	0	0	1	0	0	0	0	0	1	2
Comm Solar PV	0	1	2	0	0	0	0	1	4	0	1	4	13
<b>Commercial</b>	<b>14</b>	<b>12</b>	<b>7</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>12</b>	<b>13</b>	<b>2</b>	<b>6</b>	<b>8</b>	<b>90</b>
Residential - AC Central	56	51	36	41	10	127	155	220	385	235	560	55	1931
Residential - AC Window	145	184	321	111	178	70	84	18	25	32	147	8	1323
Residential - Airflow	2	1	1	6	1	9	12	9	14	10	24		89
Residential - Home Eff.	42	33	20	17	7	39	51	66	92	79	154	10	610
Residential - Refrigerator	26	10	24	16	7	26	40	23	51	35	97	14	369
Residential - Solar PV	3	1	3	4	1	15	8	17	20	10	119	25	226
Residential - Weatherization	92	132	104	98	129	65	83	5	7	11	38	1	765
<b>Residential Total</b>	<b>366</b>	<b>412</b>	<b>509</b>	<b>293</b>	<b>333</b>	<b>351</b>	<b>433</b>	<b>358</b>	<b>594</b>	<b>412</b>	<b>1139</b>	<b>113</b>	<b>5313</b>
<b>Total</b>	<b>380</b>	<b>424</b>	<b>516</b>	<b>294</b>	<b>337</b>	<b>356</b>	<b>439</b>	<b>370</b>	<b>607</b>	<b>414</b>	<b>1145</b>	<b>121</b>	<b>5403</b>

Commercial Rebates per Council District w/o Solar



Residential Rebates per Council District w/o Solar & Weatherization



RESULTS HAVE NOT BEEN AUDITED. FINANCIAL INFORMATION CONTAINED WITHIN THE STEP QUARTERLY REPORT SOLELY REFLECTS THE REBATES ALLOCATED IN ACCORDANCE TO CPS ENERGY CUSTOMER DEMAND. THIS FINANCIAL INFORMATION IS ONLY A PORTION OF THE TOTAL STEP EXPENDITURES. ACTUAL STEP EXPENDITURES, CONFIRMED BY AN INDEPENDENT THIRD-PARTY, ARE STATED WITHIN THE ANNUAL STEP MEASUREMENT AND VERIFICATION (M&V) REPORT. THE INFORMATION AND DATA PROVIDED ON THE REPORT IS PROVIDED FOR REFERENCE PURPOSES ONLY AND IS PROVIDED TO THE USER OF THIS REPORT "AS IS" WITHOUT ANY WARRANTIES OF ANY TYPE, EXPRESS OR IMPLIED. CPS ENERGY DOES NOT WARRANT, REPRESENT OR GUARANTEE THAT THE INFORMATION OR DATA PROVIDED IN THIS REPORT IS CORRECT, ACCURATE OR FIT FOR ANY PARTICULAR USE OR PURPOSE BY USER OF THIS REPORT AS OF THE DATE THE REPORT IS PROVIDED TO USER OR OTHERWISE.

# Attachment - D

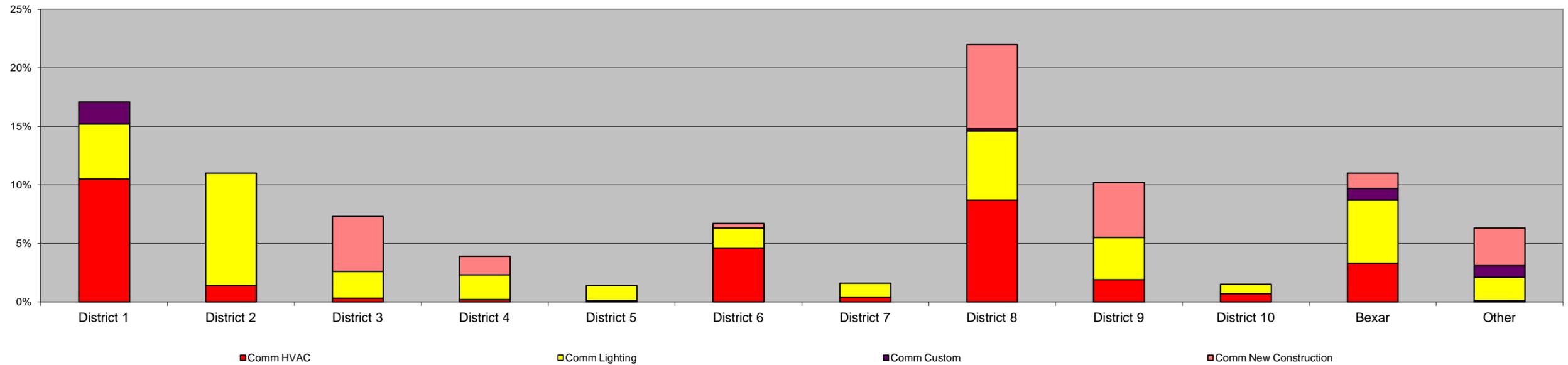
## Cumulative Feb 1, 2014 - Oct 31, 2015 Rebates \$ by Council District



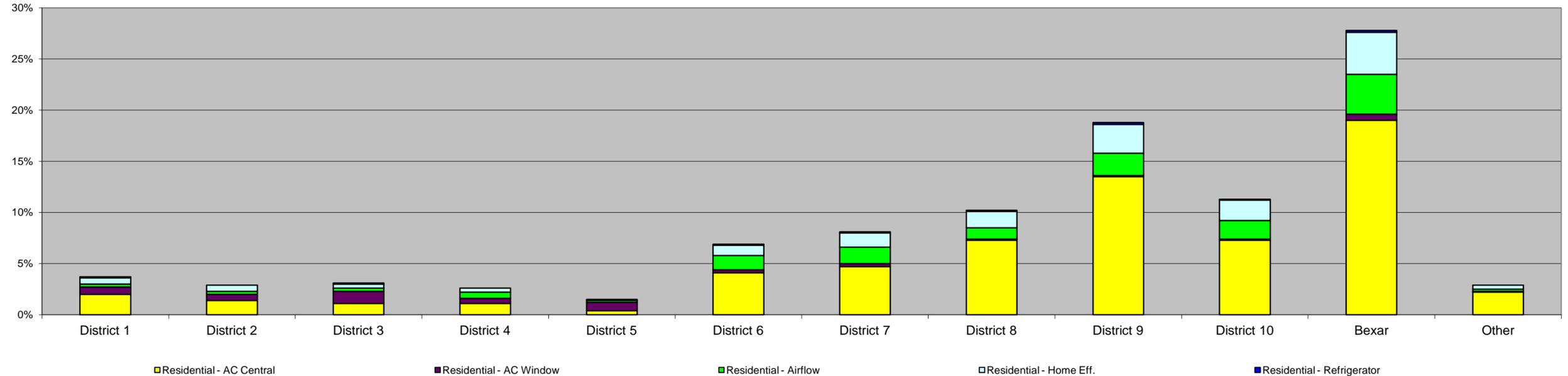
Rebate Dollars (\$)													
	District 1	District 2	District 3	District 4	District 5	District 6	District 7	District 8	District 9	District 10	Bexar	Other	Total
Comm HVAC	\$ 732,525	\$ 97,575	\$ 17,525	\$ 14,275	\$ 4,500	\$ 322,350	\$ 30,135	\$ 605,175	\$ 130,896	\$ 52,050	\$ 228,390	\$ 5,220	\$ 2,240,616
Comm Lighting	\$ 325,606	\$ 664,254	\$ 158,779	\$ 143,439	\$ 89,610	\$ 121,026	\$ 80,543	\$ 409,659	\$ 252,314	\$ 52,213	\$ 374,409	\$ 137,477	\$ 2,809,329
Comm Custom (Other)	\$ 133,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,998	\$ -	\$ -	\$ 70,536	\$ 72,427	\$ 290,946
Comm New Construction	\$ -	\$ -	\$ 329,464	\$ 107,818	\$ -	\$ 30,743	\$ -	\$ 500,000	\$ 329,464	\$ -	\$ 90,217	\$ 221,269	\$ 1,608,975
Comm Solar PV	\$ 120,756	\$ 152,654	\$ 327,410	\$ 102,676	\$ 48,731	\$ -	\$ 80,000	\$ 197,691	\$ 455,936	\$ 266,094	\$ 294,816	\$ 220,797	\$ 2,267,561
<b>Commercial Total</b>	<b>\$ 1,312,872</b>	<b>\$ 914,483</b>	<b>\$ 833,178</b>	<b>\$ 368,208</b>	<b>\$ 142,841</b>	<b>\$ 474,119</b>	<b>\$ 190,678</b>	<b>\$ 1,726,523</b>	<b>\$ 1,168,610</b>	<b>\$ 370,357</b>	<b>\$ 1,058,368</b>	<b>\$ 657,190</b>	<b>\$ 9,217,427</b>
Residential - AC Central	\$ 82,538	\$ 56,851	\$ 44,164	\$ 46,536	\$ 18,058	\$ 170,598	\$ 192,803	\$ 301,108	\$ 556,710	\$ 301,731	\$ 784,491	\$ 92,393	\$ 2,647,981
Residential - AC Window	\$ 26,850	\$ 26,800	\$ 48,650	\$ 19,600	\$ 34,900	\$ 13,950	\$ 13,300	\$ 2,400	\$ 5,300	\$ 4,900	\$ 24,750	\$ 2,300	\$ 223,700
Residential - Airflow	\$ 11,060	\$ 11,775	\$ 11,325	\$ 26,215	\$ 8,875	\$ 59,235	\$ 64,470	\$ 43,585	\$ 91,288	\$ 75,303	\$ 161,666	\$ 6,750	\$ 571,547
Residential - Home Eff.	\$ 26,506	\$ 24,237	\$ 16,817	\$ 15,708	\$ 6,114	\$ 40,648	\$ 56,125	\$ 65,720	\$ 117,377	\$ 83,346	\$ 170,649	\$ 15,187	\$ 638,434
Residential - Refrigerator	\$ 2,810	\$ 1,550	\$ 2,485	\$ 1,520	\$ 1,020	\$ 3,275	\$ 3,710	\$ 4,020	\$ 6,735	\$ 4,535	\$ 9,900	\$ 1,425	\$ 42,985
Residential - Solar PV	\$ 45,853	\$ 79,707	\$ 78,090	\$ 65,091	\$ 13,088	\$ 216,707	\$ 156,563	\$ 360,066	\$ 444,072	\$ 229,856	\$ 2,425,513	\$ 455,173	\$ 4,569,779
Residential - Weatherization*	\$ 1,280,879	\$ 1,631,643	\$ 1,218,364	\$ 721,066	\$ 1,754,219	\$ 518,881	\$ 682,573	\$ 26,569	\$ 49,383	\$ 111,960	\$ 405,939	\$ 9,339	\$ 8,410,815
<b>Residential Total</b>	<b>\$ 1,476,496</b>	<b>\$ 1,832,563</b>	<b>\$ 1,419,895</b>	<b>\$ 895,736</b>	<b>\$ 1,836,274</b>	<b>\$ 1,023,294</b>	<b>\$ 1,169,544</b>	<b>\$ 803,468</b>	<b>\$ 1,270,865</b>	<b>\$ 811,631</b>	<b>\$ 3,982,908</b>	<b>\$ 582,567</b>	<b>\$ 17,105,241</b>
<b>Total</b>	<b>\$ 2,789,368</b>	<b>\$ 2,747,046</b>	<b>\$ 2,253,073</b>	<b>\$ 1,263,944</b>	<b>\$ 1,979,115</b>	<b>\$ 1,497,413</b>	<b>\$ 1,360,222</b>	<b>\$ 2,529,991</b>	<b>\$ 2,439,475</b>	<b>\$ 1,181,988</b>	<b>\$ 5,041,276</b>	<b>\$ 1,239,757</b>	<b>\$ 26,322,668</b>

\*Weatherization dollars include only the installation cost of weatherization measures in the home

### Commercial Rebates (\$) by Council District w/o Solar



### Residential Rebates (\$) by Council District w/o Solar & Weatherization

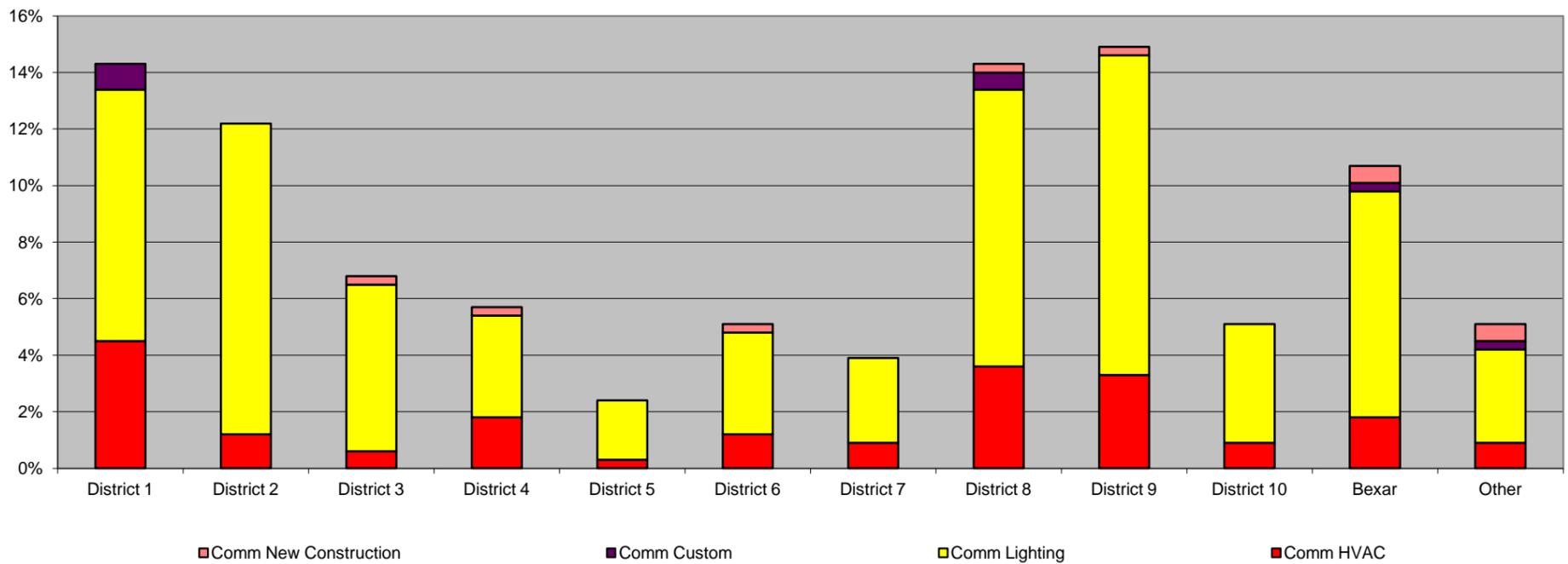


## Cumulative Rebates by Council District Summary Feb 1, 2014 - Oct 31, 2015

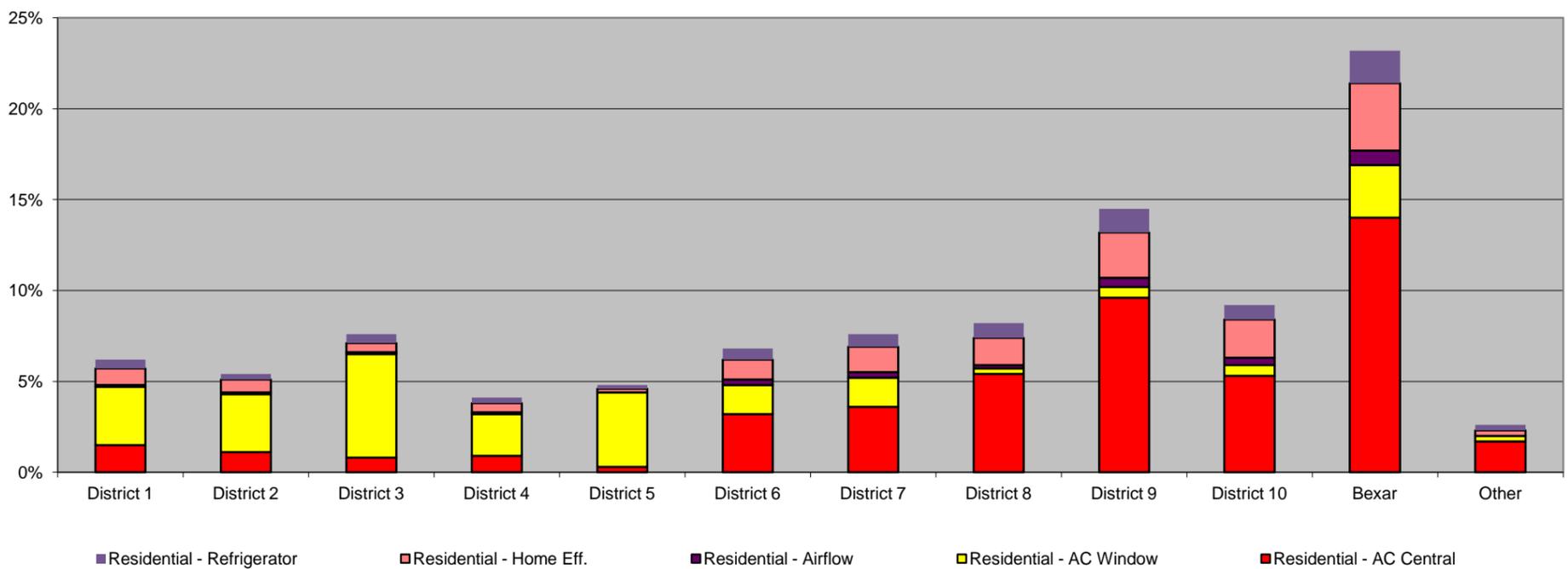


	District 1	District 2	District 3	District 4	District 5	District 6	District 7	District 8	District 9	District 10	Bexar	Other Counties	Total
Comm HVAC	15	4	2	6	1	4	3	12	11	3	6	3	70
Comm Lighting	30	37	20	12	7	12	10	33	38	14	27	11	251
Comm Custom (Other)	3	0	0	0	0	0	0	2	0	0	1	1	7
Comm New Construction	0	0	1	1	0	1	0	1	1	0	2	2	9
Comm Solar PV	3	3	5	3	1	0	1	3	8	5	5	7	44
<b>Commercial</b>	<b>51</b>	<b>44</b>	<b>28</b>	<b>22</b>	<b>9</b>	<b>17</b>	<b>14</b>	<b>51</b>	<b>58</b>	<b>22</b>	<b>41</b>	<b>24</b>	<b>381</b>
Residential - AC Central	148	113	82	94	34	322	363	547	974	535	1415	172	4799
Residential - AC Window	324	324	575	235	415	161	158	33	59	59	298	28	2669
Residential - Airflow	7	7	6	14	5	30	33	22	47	40	76	3	290
Residential - Home Eff.	88	73	51	51	21	116	139	148	253	213	376	28	1557
Residential - Refrigerator	52	28	47	28	18	61	70	78	129	85	186	27	809
Residential - Solar PV	6	12	8	8	2	26	18	39	46	31	280	49	525
Residential - Weatherization	294	381	293	230	404	169	192	10	17	43	165	5	2203
<b>Residential Total</b>	<b>919</b>	<b>938</b>	<b>1062</b>	<b>660</b>	<b>899</b>	<b>885</b>	<b>973</b>	<b>877</b>	<b>1525</b>	<b>1006</b>	<b>2796</b>	<b>312</b>	<b>12852</b>
<b>Total</b>	<b>970</b>	<b>982</b>	<b>1090</b>	<b>682</b>	<b>908</b>	<b>902</b>	<b>987</b>	<b>928</b>	<b>1583</b>	<b>1028</b>	<b>2837</b>	<b>336</b>	<b>13233</b>

**Commercial Rebates per Council District w/o Solar**



**Residential Rebates per Council District w/o Solar & Weatherization**



RESULTS HAVE NOT BEEN AUDITED. FINANCIAL INFORMATION CONTAINED WITHIN THE STEP QUARTERLY REPORT SOLELY REFLECTS THE REBATES ALLOCATED IN ACCORDANCE TO CPS ENERGY CUSTOMER DEMAND. THIS FINANCIAL INFORMATION IS ONLY A PORTION OF THE TOTAL STEP EXPENDITURES. ACTUAL STEP EXPENDITURES, CONFIRMED BY AN INDEPENDENT THIRD-PARTY, ARE STATED WITHIN THE ANNUAL STEP MEASUREMENT AND VERIFICATION (M&V) REPORT. THE INFORMATION AND DATA PROVIDED ON THE REPORT IS PROVIDED FOR REFERENCE PURPOSES ONLY AND IS PROVIDED TO THE USER OF THIS REPORT "AS IS" WITHOUT ANY WARRANTIES OF ANY TYPE, EXPRESS OR IMPLIED.

# Rebate Locations by Council District

## 3rd Quarter 2015

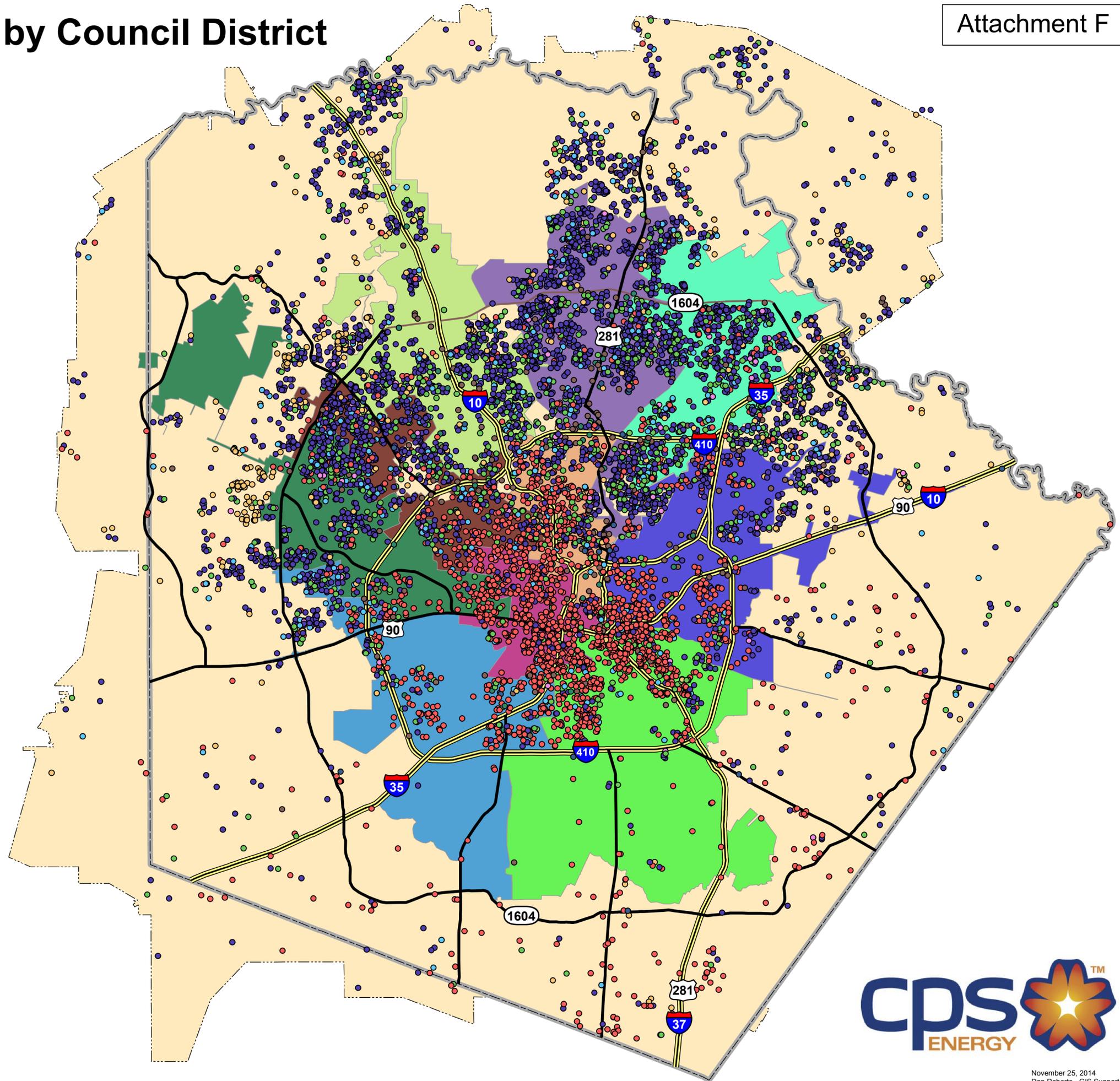
### STEP Customers

- Res Central AC
- Res Home Efficiency
- Res Window Units
- Res Ref Recycling
- Res Solar PV
- Res Air Flow
- Comm Lighting
- Comm HVAC
- Comm Solar PV
- Res SWH

-  Bexar County Boundary
-  CPS Energy Service Area

### City Council Districts

-  01
-  02
-  03
-  04
-  05
-  06
-  07
-  08
-  09
-  10



# Rebate Locations by Median Income

## 3rd Quarter 2015

### STEP Customers

- Res Central AC
- Res Home Efficiency
- Res Window Units
- Res Ref Recycling
- Res Solar PV
- Res Air Flow
- Comm Lighting
- Comm HVAC
- Comm Solar PV
- Res SWH

-  Bexar County Boundary
-  CPS Energy Service Area

### Bexar County Median Income

Source: ACS Census 2011 5yr

-  10,000 - 30,000
-  30,000 - 50,000
-  50,000 - 70,000
-  70,000 - 100,000
-  100,000 - 200,000+
-  No Data

