



**PASCOAG**  
UTILITY DISTRICT

Pascoag Electric • Pascoag Water

253 Pascoag Main Street  
P.O. Box 107  
Pascoag, RI 02859  
Phone: 401-568-6222  
Fax: 401-568-0066  
[www.pud-ri.org](http://www.pud-ri.org)

## RIPUC Docket 4368

### Pascoag Utility District's Demand Side Management Program 2013 DSM Budget Full-Year

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Letter of  
Transmittal



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**Pascoag Utility District  
Electric Department**

In Re: Pascoag Utility District's  
Demand Side Management Program  
2013 Full-Year DSM Budget  
RI PUC Docket 4368

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April 17, 2014

Ms. Luly Massaro  
Clerk of the Commission  
Rhode Island Public Utilities Commission  
89 Jefferson Blvd.  
Warwick RI 02888

Re: Docket No. 4368

Dear Ms. Massaro:

On behalf of Pascoag Utility District (Pascoag or the District), enclosed are an original and nine copies of Pascoag's Demand Side Reconciled Full-Year Budget for 2013. These submissions include a complete summary of the DSM Budget for 2013 including the activities and expenses, and the approximate energy savings to the District.

Under a separate cover, but included as part of RIPUC Docket 4368, is the back-up documentation containing supporting invoices and energy savings.

This filing is submitted under the terms of the District's Demand Side Management Tariff currently on file with the commission.

If you have any questions please do not hesitate to contact me.

Very truly yours,

Harle J. Round  
DSM Coordinator

Cc: Karen Lyons, Esquire  
William Bernstein, Esquire

Highlights

## **Highlights of the 2013 Conservation Program**

### **Residential Conservation Program:**

*Energy New England Residential Conservation (ENE)* - The Toll Free hot line generated 31 calls from Pascoag's Customers.

*Home Energy Audits with Incentives* - A total of seven home energy audits were performed by ECHO.

*Energy Star Homes/Energy Star Rebates* – The District has processed 194 appliance rebates comprised of 30 air conditioners, 73 refrigerators, 4 freezers, 35 clothes washers, 39 dishwashers, 1 air purifier and 12 dehumidifiers. The District processed a total of \$10,330 in appliance rebates which was \$115 over budget.

*Appliance buy back Refrigerators/ Freezers*- the District processed 14 incentives for refrigerators and freezer buy back spending a total of \$946.00 in 2013

*Energy Star Efficient Windows/Doors* – The District processed incentives for 12 doors and 134 windows.

*Heating System Incentives*- Ten customers took advantage of the boiler replacement program.

*ENERGY STAR qualified Electric Hot Water Heaters*- the District processed one rebate for an electric hot water heater.

*Energy Star Lighting fixtures and fans*- The District processed rebates for 6 ceiling fans, 3 bathroom fans, 4 light fixtures and 13 recessed lighting fixtures.

*Home Energy Equipment/Home Electronics*- A total of 56 incentives were processed in 2013, which was comprised of 3 computers, 10 laptops, 6 printers, 33 televisions, 1 phone, 2 vacuum cleaners and 1 battery charger.

*Incentive for Electric Heat Conversion / Geothermal Systems*- There was no activity to report on this line item.

*New Construction Incentive*- The District processed incentives on 4 condos in Harrisville Village. The contractor installed ENERGY STAR qualified central air conditioners, heating systems, windows and appliances.

*The Central Air Incentives*- The District processed 4 incentives for a central air conditioner.

*Change a light* – The District processed rebates for 105 LED light bulbs, 14 LED string lights and 134 CFL light bulbs.

*Conservation Calendars*- Five-hundred Energy Savers calendars were purchased for this line item and were given to the District's walk in customers.

*Smart Power Strips*- There is no activity to report on this line item.

*Committed for 2012 Programs*- The District processed 17 rebates from 2012 that qualified totaling \$2,678.75. The rebates were for 3 doors, 37 windows, 4 refrigerators, 4 dishwashers, 1 clothes washer, 1 refrigerator buy back, 1 boiler, 1 fleece jacket with the PUD and ENERGY STAR logo, and 11 recessed lights.

### **Industrial/ Commercial**

*Energy Star Incentive-office equipment*: The District processed 6 incentives comprised of 1 thin client computer, 4 laptops, 1 server, and 2 printers.

Burrillville School System Lighting Projects- There was no activity to report in 2013. The District allocated \$15,000 to the school system for energy efficiency measures and continues to work with the Town and RI Public Energy Partnership Municipal Working Group with the hopes of find out what the barriers are to implementing energy efficiency measures in the municipal sector.

*Committed Lighting Funds for lighting and energy efficiency projects*:

- Pascoag Fire District Lighting Project- A retrofit lighting project was completed in June. They received a rebate of \$3,540.
- Pascoag Water District received a rebate for a variable speed drive which they installed on well # 5; the incentive was for \$3,150.
- Spritzers did a small retrofit lighting project and received a rebate of \$330.96.
- The Brothers of the Sacred Heart installed 8 ENERGY STAR boilers and received a rebate of \$2,000.
- Pascoag Utility District did a retrofit lighting project in their garage and received a rebate of \$2,775.07.

This Line item was over budget by \$1,796.03.

*Consultation fee*- There was no activity to report.

*Commercial Appliances*- There was no activity to report.

### **Administrative/Ad/Education**

*Administrative*- The District spent \$20,499.90 on supplies, mileage, staff time, training and reports associated with the various DMS projects.

*Fund for Follow-up to Successful Programs*- The funds for this line item were reallocated to the more active line items in November of 2013.

*Outreach/Education*- The District spent \$10,502.89 on conservation handouts, bill inserts, Culver Conservation items, Energy Efficiency Facebook feeds from APPA, and DEED annual dues.

Division approved the use of \$2,500 to help with the new website for Pascoag Utility District. The energy efficiency Facebook feeds allow the District to post feeds to the District's face book page daily, these feeds are very informative and give the users helpful web site links to acquire more information on the various topics.

A three panel display system was purchased to display photos and information about the District's various DSM activities, a new banner was purchased to advertise the Green Festival in September and a display rack which holds handouts related to energy efficiency was purchased for the office lobby.

In the latter part of 2013, the District ordered more DSM giveaways from Culver Co. and Walker-Clay inc. which included Clips, House Banks, pencils, rulers, flyers, and insulated lunch bags all with Energy efficient messages.

The District has taken advantage of several opportunities to reach out to the community and promote energy efficiency. The District hosted a summer workshop at the Burrillville Farmers Market and a booth at the Family Fair in June.

On May 3, 2013, the Environmental Council of RI (ECRI) presented Pascoag Utility District with the Senator John H. Chafee Outstanding Conservation Project Award. The ECRI honors four organizations each year for their work in improving the health of the RI environment. Pascoag Utility received the award for the ongoing success of the annual Green Festival and sustainable workshops.

The District also attended several meetings with Rhode Island Energy Partnership Municipal Working Group (RIPEP). The purpose of this group is to engage municipalities and encourage them to implement energy efficiency measures. This worthwhile endeavor will continue in 2014.

*Burrillville High School Project* – The District met with the group several times, but no commitments were made in 2013.

*Community Events*- The District partnered the Town of Burrillville's Parks & Recreation Department and to host the 7<sup>th</sup> Annual Green Festival which was held at the Stillwater Mill Complex, 100 Tinkham Lane, Harrisville, on Saturday, September 14, 2013. The ENERGY STAR booth was at the event again this year, which always helps to engage

customers in conversations about energy efficiency and the rebates that are available through the DSM Program. The District displayed the smart strips again this year and discussed their benefits and the available rebate. Many green vendors attended along with the Burrillville Farmers Market and booths from local vendors. There were kid's activities, food, and energy saving tips and conservation materials. The event drew a large crowd and was very successful.

*Energy Efficiency Management Continuing Education* -The DSM Coordinator completed the Energy Efficiency Certificate Program in May of 2012. To maintain certification, she must complete 20 hours of additional approved continuing education training (not limited to APPA offerings) every two years. To utilize some of the continuing education funds, she was able to attend an Electronic Workshop sponsored by NEEP and several webinars offered by ENERGY STAR. In September, The DSM Coordinator attended a MEAM Conference which was held on Cape Cod. This two day energy educational summit addressed effective community outreach programs that boost the reputation of the Utilities in the community and at the schools being served.

*Program Research and Development*- There is no activity to report on this line item.

*Pilot Program for LED Street Lights*- The District completed the installation of 56 LED Streetlights. A complete report was submitted to Division and a rebate of 50% of the cost of the LED street light, photo eye and labor cost to install was established. A survey was conducted to get customer feedback and the results were very positive.

*LED Street Light Incentive*- The District purchased 70 additional LED Street lights in October and received a rebate of \$13,499.50 and then an additional 35 LED Street Lights in December and received a rebate of \$6,7493.75. This line item was over budget by \$1,503.25.

The District collected \$113,125.71 in income for the 2013 DSM Program plus the 2012 Carryover of \$34,028.60 for a net budget of \$147,197.31. The District went over budget in three categories: Appliance Rebates, Committed Funds for Lighting & Energy Efficient Projects, and the LED Street Light Incentive. The total expenses to the DSM budget were \$112,837.65, leaving a carryover of funds from 2013 at \$34,359.66. Pascoag estimated a carryover of \$34,000 in 2013 to be used in the 2014 DSM Budget. The 2014 Budget will have a total of \$359.66 which is unassigned at this time.

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Exhibit I  
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**Pascoag Utility District**  
**Demand Side Management Programs - 2013 Approved Budget December 2013**

Actual carry over from 2012	\$ 34,029
DPI Sales through Sept	\$ 10,809
DPI estimated Sales Oct- Dec	\$ 3,687
Estimated sales for 2013 less DPI	\$ 92,000
Net 2013 budget	\$ 140,525

**2013**  
**Approved**  
**Budget**

**Residential Program**

DR1301	ENE Residential Conservation (ECHO)	\$ 2,400
DR1302	Home Energy Audits with Incentives	\$ 3,550
DR1303	Energy Star Appliance Rebates	\$ 10,215
DR1304	Refrigerators/Freezer Buy Back	\$ 952
DR1305	Energy Efficient Windows/Doors	\$ 2,500
DR1306	Heating System Incentive	\$ 3,000
DR1307	ENERGY STAR qualified Water Heaters	\$ 800
DR1308	Energy Star Lighting fixtures and fans	\$ 1,000
DR1309	Home Office Equipment/Home Electronics	\$ 2,500
DR1310	Electric Heat Conversion/Geothermal System:	\$ 100
DR1311	New Construction	\$ 2,080
DR1312	Central Air Conditioner Incentive	\$ 1,200
DR1313	Change a Light Campaign	\$ 700
DR1314	Energy Conservation Calendars	\$ 2,133
DR1315	Smart Power Strips	\$ 200
DR1316	Committed for 2012 Programs	\$ 2,679

**Net Residential** \$ 36,008.75

**Industrial/Commercial**

DI1301	Energy Star Incentive - Office Equipment	\$ 500.00
DI1302	Burrillville School System Projects	\$ 15,000.00
DI1303	Committed Funds- Lighting & EE Projects	\$ 10,000.00
DI1304	Consultation Fees	\$ 1,000.00
DI1305	Energy Star Commercial Appliance	\$ 700.00

**Net Industrial/Commercial** \$ 27,200

**Administrative/Ad/Education**

DA1301	Administrative	\$ 20,500.00
DA1302	Funds for Follow-up to Successful Programs	\$ -
DA1303	Outreach/Education	\$ 10,700.00
DA1304	BHS Project	\$ 6,000.00
DA1305	Community Events	\$ 9,600.00
DA1306	Energy Efficiency Management continuing education	\$ 4,500.00
DA1307	Program Research and Development	\$ 500.00
DA1308	LED Street Light Incentives	\$ 18,746.00
DA1309	LED Street Light Pilot Program	\$ 6,770.00
	Unassigned funds	\$ -
	<b>Net Administrative/Ad/Education</b>	<b>\$ 77,316</b>

**Estimated DSM 2013 Budget/ Expenses/ Balance** \$ 140,525

( )  
Exhibit II

( )  
Exhibit II

**Demand Side Management Programs - 2013 Approved Budget with Expenses.**

<b>Pascagoula Utility District</b>					
<b>Demand Side Management Programs - 2013 Approved Budget with Expenses.</b>					
Actual carry over from 2012	\$ 34,029	Carry over 2012	\$ 34,029.00		
DPI Sales through Sept.	\$ 10,809	ACTUAL SALES	\$ 113,125.71		
DPI estimated Sales Oct.-Dec.	\$ 3,687				
Estimated sales for 2013 (less DPI)	\$ 92,000				
Net 2013 budget	\$ 140,525	NET 2013 BUDGET	\$ 147,154.71		
<b>2013 Approved</b>					
<b>Budget</b>		<b>Expenses</b>			
<b>Residential Program</b>					
DR1301 ENE Residential Conservation (ECHO)	\$ 2,400	\$ 2,400.00	\$ -	12 Months Jan-Dec	
Home Energy Audits with Incentives	\$ 1,652.07	\$ 1,897.93	\$ -	7 Audits, 10 smart strips	
DR1302 Energy Star Appliance Rebates	\$ 10,215	\$ 10,330.00	\$ (115.00)	30 Air Conditioners, 73 Refrigerators, 4 freezers, 35 Clothes Washers, 39 Dishwashers, 12 Dehumidifiers, 1 Air Purifier.	
Refrigerators/Frezer Buy Back	\$ 952	\$ 946.00	\$ 6.00	14 Buy backs with removal fees.	
DR1304 Energy Efficient Windows/Doors	\$ 2,500	\$ 2,500.00	\$ -	12 Doors & 34 Windows	
DR1305 Heating System Incentive	\$ 3,000	\$ 2,473.00	\$ 527.00	10 boilers	
ENERGY STAR qualified Water Heaters	\$ 1,000	\$ 1,000.00	\$ -	1 Heat Pump water heater	
DR1308 Energy Star Lighting fixtures and fans	\$ 451.64	\$ 545.36	\$ 13 recessed lights, 6 ceiling fans, 3 bathroom fans, 1 light fixture		
DR1309 Home Office Equipment/home electronics	\$ 2,500	\$ 2,318.45	\$ 181.55	33 TVs, 10 laptops, 6 printers, 1 battery charger, 1 telephone, 3 computers, 2 vacuum cleaners	
Electric Heat Conversion/Geothermal System:	\$ 100	\$ 100.00	\$ 100.00	No activity	
DR1310 New Construction	\$ 2,080	\$ 2,080.00	\$ 4 units @ \$520 each		
DR1311 Central Air Conditioner Incentive	\$ 1,200	\$ 800.00	\$ 400.00	4 central air unit	
DR1312 Change a Light Campaign	\$ 700	\$ 698.95	\$ 1.05	216 bulbs rebates	
DR1313 Energy Conservation Calendars	\$ 2,133	\$ 2,132.19	\$ 0.81	500 Calendars	
DR1314 Smart Power Strips	\$ 200	\$ 200.00	\$ 200.00	no activity	
DR1316 Committed for 2012 Programs	\$ 2,678.75	\$ 2,678.75	\$ -	3 doors, 37 windows, 4 refrigerators, 4 dishwashers, 1 clothes washer, 1 refrigerator buy back, 1 boiler, 1 fence, 11 recessed lights	
<b>Net Residential</b>	<b>\$ 36,008.75</b>	<b>\$ 31,561.05</b>	<b>\$ 4,447.70</b>		
<b>Industrial/Commercial</b>					
DR1301 Energy Star Incentive Office Equipment	\$ 500	\$ 370.00	\$ 130.00	1 server, 4 laptops, 2 printers, 1 wye computer	
DR1302 Burnsville School System Projects	\$ 15,000	\$ 1 no activity	\$ 15,000.00	no activity	
Committed Funds - Lighting & EE Projects	\$ 11,796.03	\$ (1,796.03)	\$ (1,796.03)	Pascagoula Fire District Hose 1 Retrofit lighting project; Pascagoula Utility District, VSD, Spritzers Lighting Project; PUD garage Retrofit	
DR1303 Consultation Fees	\$ 1,000	\$ 1,000.00	\$ 1,000.00	no activity	
DR1304 Energy Star Commercial Appliance	\$ 700	\$ 700.00	\$ 700.00	no activity	
<b>Net Industrial/Commercial</b>	<b>\$ 27,200</b>	<b>\$ 12,166.03</b>	<b>\$ 15,034</b>		
<b>Administrative/Ad/Education</b>					
DA1301 Administrative	\$ 20,500	\$ 20,498.90	\$ 0.10	mileage, supplies, labor	
DA1302 Funds for Follow-up to Successful Programs	\$ -	\$ -	\$ -	funds were moved	
DA1303 Outreach/Education	\$ 10,700	\$ 10,502.89	\$ 197.11	Banner for Green Festival, 3 panel display, display stand, WEB Designed bill inserts, Family Fair, John H Chafee Conservation Leadership Award, Energy efficient Giveaways	
DA1304 BHS Project	\$ 6,000	\$ -	\$ 6,000.00	no activity	
DA1305 Community Events	\$ 9,600	\$ 9,600.00	\$ -	Green Festival, Celebrate Burnsville, bill inserts, New Paper Ad, food, DSM giveaways	
DA1306 Energy Efficiency Management continuing education	\$ 4,500	\$ 1,488.67	\$ 3,011.33	MEAM conference, Webinars	
DA1307 Program Research and Development	\$ 500	\$ 500.00	\$ 500.00	no activity	
DA1308 LED Street Light Incentives	\$ 18,146	\$ 20,249.25	\$ (1,503.25)	Rebate for 105 LED Street lights	
DA1309 LED Street Light Pilot Program	\$ 6,770	\$ 6,769.95	\$ (0.01)	Survey, installation cost	
Unassigned funds	\$ -	\$ -	\$ -	Unassigned funds	
<b>Net Administrative/Ad/Education</b>	<b>\$ 77,316</b>	<b>\$ 69,110.57</b>	<b>\$ 8,205</b>		
<b>Estimated DSM 2013 Budget/Expenses/Balance</b>	<b>\$ 140,925</b>	<b>\$ 112,837.65</b>	<b>\$ 27,687</b>		
<b>Actual 2013 DSM Budget/Expenses/Balance</b>	<b>\$ 147,197.31</b>	<b>\$ 112,837.65</b>	<b>\$ 34,359.66</b>		

Exhibit III

PREPARED 04/10/2014, 8:35:21  
PROGRAM GM186L  
PROJECT:DR1301-ENE RCS

PASCOAG UTILITY DISTRICT, ELECTRIC DEPT  
PROJECT ACTIVITY LISTING

ACCOUNTING PERIOD 03/2014 PAGE 1

Exhibit III

PREPARED 04/10/2014, 8:35:21  
PROGRAM GM186L

PASCOAG UTILITY DISTRICT, ELECTRIC DEPT  
PROJECT ACTIVITY LISTING

PAGE 2  
ACCOUNTING PERIOD 03/2014

PROJECT: DR1302-HOME ENERGY AUDITS

TYPE: DM - DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCUMBERED	ENCUMBERED	FISC YR PERIOD	BALANCE
01-0000-214-24-20			DEMAND SIDE MANAGE			'00	1,652.07		.00		.00		1,652.07-
AP	422171	11/20/2013		001101	524 ECHO	OCTOBER AUDITS		430.00				.00	2013 10
AP	421607	04/26/2013		000528	524 ECHO	2 Energy Audits		400.00				.00	2013 04
AP	421450	04/19/2013	Energy Audits	000475	524 ECHO	Double entry of Mrch Audi		400.00-				.00	2013 04
AP	421450	04/08/2013		000418	524 ECHO	2-Audits March		400.00				.00	2013 04
AP	421374	04/03/2013	12-PASUTI	000361	452 ENERGY FEDERATION INCOR	Smart Strips		222.07				.00	2013 04
AP	421450	03/29/2013		000423	524 ECHO	2 Energy audits March		400.00				.00	2013 03
AP	421180	02/15/2013		000148	524 ECHO	JAN AUDITS - 1		200.00				.00	2013 01
						TRANSACTION TOTAL:		1,652.07					.00
====													
						PROJECT: DR1302	=====	PROJECT TOTAL	=====				
						CLASSIFICATION TOTALS:	=====	LIABILITIES:	=====				
						TRANSACTION TOTAL:		1,652.07					
						ESTIMATE COMPARISON:							
						(ACTUAL) SUMMARY TOTAL:							
						3,550.00	1,652.07						1,897.93
						.00	1,652.07						1,652.07-



PROJECT:DR1303-ENERGY STAR APPLIANCE

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCUMBERED	ENCUMBERED	FISC YR PERIOD	BALANCE
AP	4222386	12/01/2013	5459-4210	001074	46 PASCOAG UTILITY DISTRIC		50.00			.00		.00	2013	12
AP	4222386	12/01/2013	15041-8486	001076	46 PASCOAG UTILITY DISTRIC	Refrigerator	75.00			.00		.00	2013	12
AP	4222386	12/01/2013	7877-7363	001085	46 PASCOAG UTILITY DISTRIC	Refrigerator	75.00			.00		.00	2013	12
AP	4222386	12/01/2013	5127-3946	001085	46 PASCOAG UTILITY DISTRIC	Clothes washer	60.00			.00		.00	2013	12
AP	4222386	12/01/2013	8859-6934	001102	46 PASCOAG UTILITY DISTRIC	Dehumidifier	20.00			.00		.00	2013	12
AP	4222386	12/01/2013	12843-9574	001102	46 PASCOAG UTILITY DISTRIC	Dishwasher	50.00			.00		.00	2013	12
AP	4222386	12/01/2013	5465-4216	001110	46 PASCOAG UTILITY DISTRIC	Clothes Washer	63.00			.00		.00	2013	12
AP	4222386	12/01/2013	171-166	001110	46 PASCOAG UTILITY DISTRIC	Air Purifier	16.00			.00		.00	2013	12
AP	4222386	12/01/2013	9523-7442	001110	46 PASCOAG UTILITY DISTRIC	Dishwasher	75.00			.00		.00	2013	12
AP	4222386	12/01/2013	1065-920	001132	46 PASCOAG UTILITY DISTRIC	Clothes Washer	20.00			.00		.00	2013	12
AP	4222386	12/01/2013	621-612	001133	46 PASCOAG UTILITY DISTRIC	Dehumidifier	50.00			.00		.00	2013	12
AP	4222386	12/01/2013	9549-7466	001161	46 PASCOAG UTILITY DISTRIC	Refrigerator	59.00			.00		.00	2013	12
AP	4222386	12/01/2013	1105-8758	001166	46 PASCOAG UTILITY DISTRIC	Refrigerator	64.00			.00		.00	2013	12
AP	4222386	12/01/2013	4725-3602	001167	46 PASCOAG UTILITY DISTRIC	Refrigerator	75.00			.00		.00	2013	12
AP	4222066	10/04/2013	10311-8054	000996	46 PASCOAG UTILITY DISTRIC	Refrigerator	75.00			.00		.00	2013	10
AP	4222066	10/04/2013	7457-5706	000997	46 PASCOAG UTILITY DISTRIC	Refrigerator	75.00			.00		.00	2013	10
AP	4222066	10/04/2013	9549-7466	000986	46 PASCOAG UTILITY DISTRIC	Refrigerator	65.00			.00		.00	2013	10
AP	4222066	10/03/2013	1105-8758	000987	46 PASCOAG UTILITY DISTRIC	Refrigerator	48.00			.00		.00	2013	10
AP	4222066	10/03/2013	12295-8298	000987	46 PASCOAG UTILITY DISTRIC	Freezer	190.00			.00		.00	2013	10
AP	4222028	09/20/2013	5723-4428	000949	46 PASCOAG UTILITY DISTRIC	Refrig/Clothes Dishwasher	32.30			.00		.00	2013	09
AP	4222028	09/20/2013	13769-9662	000950	46 PASCOAG UTILITY DISTRIC	Dishwasher	125.00			.00		.00	2013	09
AP	4222028	09/20/2013	17171-10432	000951	46 PASCOAG UTILITY DISTRIC	Dishwasher & Refrigerator	150.00			.00		.00	2013	09
AP	4222028	09/20/2013	13013-7814	000952	46 PASCOAG UTILITY DISTRIC	2 Refrigerators	42.50			.00		.00	2013	09
AP	421984	09/10/2013	17285-4438	000918	46 PASCOAG UTILITY DISTRIC	Clothes washer	75.00			.00		.00	2013	09
AP	421984	09/10/2013	899-4966	000918	46 PASCOAG UTILITY DISTRIC	Refrigerator	45.00			.00		.00	2013	09
AP	421984	09/10/2013	6419-8422	000918	46 PASCOAG UTILITY DISTRIC	Dishwasher	24.00			.00		.00	2013	09

PROJECT:DR1303-ENERGY STAR APPLIANCE

-DEMAND MANAGEMENT

PROGRAM STATUS: ACTIVE

RAM STATUS: ACTIVE

PREPARED 04/10/2014, 8:35:21  
PROGRAM GM186L

PASCOAG UTILITY DISTRICT, ELECTRIC DEPT  
PROJECT ACTIVITY LISTING

PAGE 6  
ACCOUNTING PERIOD 03/2014

PROJECT: DRI1303-ENERGY STAR APPLIANCE

TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: RP-RESIDENTIAL PROGRAM

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS	ENCUMBERED	STATUS: ACTIVE	BALANCE	FISC YR PERIOD
AP	421951	08/14/2013	16173-2210	000855	46 PASCOAG UTILITY DISTRIC	75.00			.00		2013	08		
AP	421895	08/01/2013	8075-6358	000843	46 PASCOAG UTILITY DISTRIC	20.00			.00		2013	08		
AP	421895	08/01/2013	4917-3764	000844	46 PASCOAG UTILITY DISTRIC	75.00			.00		2013	08		
AP	421828	07/24/2013	11763-9208	000815	46 PASCOAG UTILITY DISTRIC	75.00			.00		2013	07		
AP	421828	07/24/2013	15217-10118	000816	46 PASCOAG UTILITY DISTRIC	125.00			.00		2013	07		
AP	421828	07/24/2013	15437-4812	000816	46 PASCOAG UTILITY DISTRIC	50.00			.00		2013	07		
AP	421828	07/24/2013	7261-5546	000817	46 PASCOAG UTILITY DISTRIC	60.00			.00		2013	07		
AP	421828	07/24/2013	16989-5984	000817	46 PASCOAG UTILITY DISTRIC	20.00			.00		2013	07		
AP	421828	07/24/2013	9623-7526	000817	46 PASCOAG UTILITY DISTRIC	25.00			.00		2013	07		
AP	421828	07/24/2013	1931-1536	000817	46 PASCOAG UTILITY DISTRIC	20.00			.00		2013	07		
AP	421828	07/24/2013	5877-4544	000817	46 PASCOAG UTILITY DISTRIC	25.00			.00		2013	07		
AP	421778	07/11/2013	14015-7060	000761	46 PASCOAG UTILITY DISTRIC	25.00			.00		2013	07		
AP	421778	07/11/2013	9191-9462	000764	46 PASCOAG UTILITY DISTRIC	54.00			.00		2013	07		
CR		07/10/2013	0024552		OVERAGE BACK TO DSM	245.00-			.00		2013	07		
AP	421828	07/09/2013	10029-7838	000755	46 PASCOAG UTILITY DISTRIC	75.00			.00		2013	07		
AP	421828	07/09/2013	5193-4000	000756	46 PASCOAG UTILITY DISTRIC	15.00			.00		2013	07		
AP	421828	07/09/2013	7403-5668	000757	46 PASCOAG UTILITY DISTRIC	67.00			.00		2013	07		
AP	421778	07/08/2013	2487-1958	000750	46 PASCOAG UTILITY DISTRIC	20.00			.00		2013	07		
AP	421778	07/08/2013	15887-8252	000751	46 PASCOAG UTILITY DISTRIC	15.00			.00		2013	07		
AP	421778	07/08/2013	8995-7026	000752	46 PASCOAG UTILITY DISTRIC	53.00			.00		2013	07		
AP	421895	07/06/2013	4757-3634	000828	46 PASCOAG UTILITY DISTRIC	25.00			.00		2013	07		
AP	421895	07/06/2013	5231-3472	000828	46 PASCOAG UTILITY DISTRIC	25.00			.00		2013	07		
AP	421895	07/06/2013	16275-3370	000828	46 PASCOAG UTILITY DISTRIC	75.00			.00		2013	07		
AP	421743	07/02/2013	10485-1984	000738	46 PASCOAG UTILITY DISTRIC	270.00			.00		2013	07		
AP	421743	07/02/2013	12265-7904	000739	46 PASCOAG UTILITY DISTRIC	20.00			.00		2013	07		
AP	421743	06/28/2013	000727	46 PASCOAG UTILITY DISTRIC	75.00				.00		2013	06		



PROJECT : DRL303 - ENERGY STAR APPLIANCE

TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: RP-RESIDENTIAL PROGRAM

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
AP	421621	05/09/2013	9725-7614	000539	46 PASCOAG	UTILITY DISTRICT FRIDGE & DISHWASHER	125.00			.00		2013	05
AP	421621	05/09/2013	1495-1224	000539	46 PASCOAG	UTILITY DISTRICT AIR CONDITIONER	25.00			.00		2013	05
AP	421621	05/09/2013	11621-9110	000539	46 PASCOAG	UTILITY DISTRICT WASHER	72.00			.00		2013	05
AP	421621	05/09/2013	9711-7602	000540	46 PASCOAG	UTILITY DISTRICT FRIDGE	49.00			.00		2013	05
AP	421621	05/02/2013	000513	46 PASCOAG	UTILITY DISTRICT Dishwasher	50.00			.00		2013	05	
AP	421621	04/30/2013	11765-9210	000509	46 PASCOAG	UTILITY DISTRICT Refridgerator	75.00			.00		2013	04
AP	421621	04/30/2013	11765-9210	000509	46 PASCOAG	UTILITY DISTRICT Refrigerator	52.00			.00		2013	04
AP	421621	04/25/2013	3187-2506	000482	46 PASCOAG	UTILITY DISTRICT Refrigerator	25.00			.00		2013	04
AP	421621	04/25/2013	3380-15095	000482	46 PASCOAG	UTILITY DISTRICT window AC	75.00			.00		2013	04
AP	421621	04/25/2013	12221-7198	000482	46 PASCOAG	UTILITY DISTRICT Clothes Washer	50.00			.00		2013	04
AP	421621	04/25/2013	6681-5124	000482	46 PASCOAG	UTILITY DISTRICT Dishwasher	45.00			.00		2013	04
AP	421460	04/19/2013	961-4904	000471	46 PASCOAG	UTILITY DISTRICT Cloths Washer	50.00			.00		2013	04
AP	421460	04/18/2013	6129-4726	000467	46 PASCOAG	UTILITY DISTRICT Dishwasher	75.00			.00		2013	04
AP	421460	04/11/2013	5471-4220	000437	46 PASCOAG	UTILITY DISTRICT Refrigerator	75.00			.00		2013	04
AP	421460	04/08/2013	3085-2404	000396	46 PASCOAG	UTILITY DISTRICT Refridgerator	25.00			.00		2013	04
AP	421460	04/08/2013	1845-1476	000397	46 PASCOAG	UTILITY DISTRICT Dishwasher	120.00			.00		2013	04
AP	421460	04/08/2013	3865-3460	000408	46 PASCOAG	UTILITY DISTRICT Dishwashers, Clothes Wash	62.00			.00		2013	04
AP	421460	04/05/2013	6139-4736	000393	46 PASCOAG	UTILITY DISTRICT Refrigerator	73.00			.00		2013	04
AP	421389	04/03/2013	000362	46 PASCOAG	UTILITY DISTRICT Clothes Washer	75.00			.00		2013	04	
AP	421389	04/02/2013	5475-4226	000553	46 PASCOAG	UTILITY DISTRICT Refrigerator	20.00			.00		2013	03
AP	421389	03/29/2013	10513-8222	000343	46 PASCOAG	UTILITY DISTRICT Dehumidifier	75.00			.00		2013	03
AP	421389	03/29/2013	5153-3964	000343	46 PASCOAG	UTILITY DISTRICT Refrigerator	60.00			.00		2013	03
AP	421389	03/29/2013	3035-2366	000425	46 PASCOAG	UTILITY DISTRICT Refrigerator	75.00			.00		2013	03
AP	421389	03/28/2013	13955-520	000328	46 PASCOAG	UTILITY DISTRICT Refrigerator	75.00			.00		2013	03
AP	421389	03/27/2013	12221-7198	000324	46 PASCOAG	UTILITY DISTRICT Refrigerator	60.00			.00		2013	03
AP	421343	03/21/2013	15095-3380	000308	46 PASCOAG	UTILITY DISTRICT Refrigerator	70.00			.00		2013	03
AP	421343	03/20/2013	10897-8510	000305	46 PASCOAG	UTILITY DISTRICT	75.00			.00		2013	03





PROJECT : DRL305-ENERGY STAR WINDOWS/DOOR

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCUMBERED	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
01-0000-214-24-20 DEMAND SIDE MANAGE				001188	46	PASCOAG UTILITY DISTRIC	00	2,500.00	00	.00	.00	.00	2,500.00-	
AP 422388 12/11/2013 12627-7954						1 door, 10 windows	125.00						2013 .12	
AP 422282 11/26/2013 14485-3930				001163	46	PASCOAG UTILITY DISTRIC	9 Windows	135.00					2013 .11	
AP 422282 11/26/2013 2277-1790				001164	46	PASCOAG UTILITY DISTRIC	2 Windows	30.00					2013 .11	
AP 422222 11/19/2013 16299-1502				001134	46	PASCOAG UTILITY DISTRIC	2 Windows	30.00					2013 .11	
AP 422222 11/19/2013 7759-5330				001134	46	PASCOAG UTILITY DISTRIC	2 Windows	45.00					2013 .11	
AP 422183 11/06/2013 4723-3600				001107	46	PASCOAG UTILITY DISTRIC	10 Windows	150.00					2013 .11	
AP 422183 10/23/2013 14283-8778				001065	46	PASCOAG UTILITY DISTRIC	1 Door	40.00					2013 .10	
AP 422120 10/22/2013 7121-5440				001043	46	PASCOAG UTILITY DISTRIC	1- DOOR	40.00					2013 .10	
AP 422120 10/18/2013 16903-9026				001035	46	PASCOAG UTILITY DISTRIC	10 Windows 1-Door	190.00					2013 .10	
AP 422120 10/17/2013 463-506				001033	46	PASCOAG UTILITY DISTRIC	10-Windows	150.00					2013 .10	
AP 422120 10/17/2013 11385-8912				001033	46	PASCOAG UTILITY DISTRIC	5-windows	75.00					2013 .10	
AJ 09/24/2013 TIME SHEET						DSM Labor		988.20					2013 .09	
AJ 09/24/2013 CORRECT PR						Green Festival OH crrct from dr1305 to da1305		988.20-					2013 .09	
AP 421986 09/02/2013 2073-1628				000884	46	PASCOAG UTILITY DISTRIC	10-Windows	150.00					2013 .09	
AP 421986 09/02/2013 8531-6696				000885	46	PASCOAG UTILITY DISTRIC	4 Windows & 1 Door	100.00					2013 .09	
AJ 08/21/2013 CORRECT PR						4-30-13 Correct Project #		250.00-					2013 .08	
AP 421953 08/14/2013 9491-7406				000857	46	PASCOAG UTILITY DISTRIC	Door	40.00					2013 .08	
AP 421953 08/14/2013 5321-4058				000858	46	PASCOAG UTILITY DISTRIC	Door	40.00					2013 .08	
AP 421828 07/24/2013 12923-8384				000817	46	PASCOAG UTILITY DISTRIC	3 Windows	45.00					2013 .07	
AP 421828 07/24/2013 6299-4872				000817	46	PASCOAG UTILITY DISTRIC	10 Windows	150.00					2013 .07	
AP 421828 07/24/2013 2897-2260				000817	46	PASCOAG UTILITY DISTRIC	8 Windows	40.00					2013 .07	
AP 421779 07/10/2013 9533-7452				000759	46	PASCOAG UTILITY DISTRIC	10 Windows	150.00					2013 .07	
AP 421779 07/08/2013 6589-5072				000753	46	PASCOAG UTILITY DISTRIC	8 windows	120.00					2013 .07	
AP 421779 06/25/2013 9381-7326				000704	46	PASCOAG UTILITY DISTRIC	SLIDING DOOR	40.00					2013 .06	
AP 421779 06/25/2013 2811-2200				000708	46	PASCOAG UTILITY DISTRIC	6 WINDOWS - 1 DOOR	130.00					2013 .06	

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PROJECT ACTIVITY LISTING

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PROJECT:DR1305-ENERGY STAR WINDOWS/DOOR

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT TO-DATE	YEAR-TO-DATE	TRANS AMT	ENCUMBERED	TRANS ENCUMBERED	FISC YR	PERIOD	BALANCE
AP	421744	06/11/2013	519-544	000639	46	PASCOAG UTILITY DISTRIC	150.00			.00	2013	.06			
AP	421699	06/06/2013	389-448	000637	46	PASCOAG UTILITY DISTRIC	60.00			.00	2013	.06			
AP	421622	05/09/2013	367-1252	000539	46	PASCOAG UTILITY DISTRIC	40.00			.00	2013	.05			
AP	421622	05/09/2013	4691-3574	000540	46	PASCOAG UTILITY DISTRIC	150.00			.00	2013	.05			
AP	421622	04/30/2013	1073-926	000509	46	PASCOAG UTILITY DISTRIC	250.00			.00	2013	.04			
AP	421265	03/11/2013	4379-3354	000232	46	PASCOAG UTILITY DISTRIC	30.00			.00	2013	.03			
AP	421265	03/07/2013	9381-7326	000211	46	PASCOAG UTILITY DISTRIC	15.00			.00	2013	.03			
AP	421011	01/07/2013	8569-6720	000013	46	PASCOAG UTILITY DISTRIC	40.00			.00	2013	.01			
						1 door				2,500.00					
						TRANSACTION TOTAL:									
====	PROJECT: DR1305	=====	=====	PROJEC T	TOTAL S	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
				CLASSIFICATION TOTALS:		LIABILITIES:									
				TRANSACTION TOTAL:											
				ESTIMATE COMPARISON:	2,500.00		2,500.00			.00					
				(ACTUAL) SUMMARY TOTAL:	.00		2,500.00			.00					2,500.00-





PROJECT:DR1308-ES LIGHTING FIXTURES/FANS

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
01-0000-214-24-20 DEMAND SIDE MANAGE				001222	46	PASCOAG UTILITY DISTRIC	00	451.64	.00	.00	.00	451.64-	
AP 422331 12/16/2013 3147-2460					6-1.	62w led under cabinet	26.54					2013	12
AP 422385 11/06/2013 6345-4900				001106	46	PASCOAG UTILITY DISTRIC	50.00					2013	11
AP 422068 10/03/2013 12295-8298				000988	46	PASCOAG UTILITY DISTRIC	19.44					2013	10
AP 421989 09/06/2013 6939-5298				000915	46	PASCOAG UTILITY DISTRIC	23.50					2013	09
AP 422001 09/06/2013 6939-5298				000915	46	PASCOAG UTILITY DISTRIC	23.50					2013	09
AP 421781 07/08/2013 14273-3750				000749	46	PASCOAG UTILITY DISTRIC	50.00					2013	07
AP 421701 06/06/2013 15991-10168				000633	46	PASCOAG UTILITY DISTRIC	35.00					2013	06
AP 421391 03/27/2013 8831-9616				000325	46	PASCOAG UTILITY DISTRIC	52"	CEILING FAN					
AP 421391 03/27/2013 4955-3792				000326	46	PASCOAG UTILITY DISTRIC	26.66					2013	03
AP 421345 03/20/2013 16941-10324				000306	46	PASCOAG UTILITY DISTRIC	50.00					2013	03
AP 421267 03/14/2013 5037-3880				000238	46	PASCOAG UTILITY DISTRIC	47.00					2013	03
AP 421267 03/07/2013 9381-7326				000211	46	PASCOAG UTILITY DISTRIC	50.00					2013	03
						BATH ROOM FAN	50.00						
						TRANSACTION TOTAL:	451.64						
						-							

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PROJECT: DR1308 ====== P R O J E C T    T O T A L S    ======

CLASSIFICATION TOTALS:

LIABILITIES:

451.64

TRANSACTION TOTAL:		451.64	.00	548.36
ESTIMATE COMPARISON:		451.64	.00	451.64-
(ACTUAL) SUMMARY TOTAL:		.00	.00	



PROJECT : DRL309-HOME OFFICE/ ELECTRONICS

TYPE: DM-Demand Management

SUB-TYPE: RP-Residential Program

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS AMT	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
AP	4218954	08/14/2013	13717-9848	000860	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.08
AP	421896	08/01/2013	9579-7488	000845	46 PASCOAG	UTILITY DISTRIC	42.90		.00			2013	.08
AP	421828	07/24/2013	10377-8112	000817	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.07
AP	421782	07/11/2013	4795-6138	000763	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.07
AP	421896	07/06/2013	5593-4318	000826	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.07
AP	421896	07/06/2013	2175-1710	000827	46 PASCOAG	UTILITY DISTRIC	30.00		.00			2013	.07
AP	421782	06/25/2013	10723-8370	000703	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.06
AP	421782	06/25/2013	3085-2404	000707	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.06
AP	421745	06/18/2013	6217-4798	000671	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.06
AP	421745	06/11/2013	3127-2442	000645	46 PASCOAG	UTILITY DISTRIC	95.00		.00			2013	.06
AP	421702	06/06/2013	8711-6840	000634	46 PASCOAG	UTILITY DISTRIC	34.50		.00			2013	.06
AP	421663	05/21/2013	6599-5082	000583	46 PASCOAS	UTILITY DISTRIC	50.00		.00			2013	.05
AP	421625	05/16/2013	1845-1476	000566	46 PASCOAG	UTILITY DISTRIC	12.00		.00			2013	.05
AP	421625	05/02/2013	2337-1842	000513	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.05
AP	421625	04/30/2013	6939-5238	000509	46 PASCOAG	UTILITY DISTRIC	19.20		.00			2013	.04
AP	421625	04/30/2013	6339-5238	000509	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.04
AP	421625	04/25/2013	16941-10324	000481	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.04
AP	421392	04/02/2013	2175-1710	000351	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.04
AP	421392	04/01/2013	5593-4318	000345	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.04
AP	421392	03/29/2013	1549-1258	000341	46 PASCOAG	UTILITY DISTRIC	29.25		.00			2013	.03
AP	421346	03/20/2013	15773-8256	000306	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.03
AP	421268	03/07/2013	10377-8112	000211	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.03
AP	421224	02/28/2013	7139-9622	000178	46 PASCOAG	UTILITY DISTRIC	21.00		.00			2013	.02
AP	421224	02/26/2013	000165	000165	46 PASCOAG	UTILITY DISTRIC	48.00		.00			2013	.02
AP	421224	02/26/2013	7139-9622	000166	46 PASCOAG	UTILITY DISTRIC	28.50		.00			2013	.02
AP	421152	02/04/2013	13651-4474	000079	46 PASCOAG	UTILITY DISTRIC	50.00		.00			2013	.02

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PROJECT ACTIVITY LISTING

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PROJECT : DR1309-HOME OFFICE/ ELECTRONICS

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS AMT	ENCUMBERED	BALANCE	FISC YR PERIOD
AP	421121	02/01/2013	8645-6776	000071	46	PASCOAG UTILITY DISTRIC	TV		12.00		.00	2013	02	
			2363-1860			Telephone								
						TRANSACTION TOTAL:			2,318.45		.00			
==	PROJECT: DR1309	=====	PROJ ECT	=====	TOTALS	=====								
						CLASSIFICATION TOTALS:								
						LIABILITIES:								

TRANSACTION TOTAL:  
ESTIMATE COMPARISON:  
(ACTUAL) SUMMARY TOTAL:

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PROGRAM GM186L

PASCOAG UTILITY DISTRICT, ELECTRIC DEPT  
PROJECT ACTIVITY LISTING

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PROJECT: DR1310-ELEC HEAT CNVRSN/GEO THERM TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: RP-RESIDENTIAL PROGRAM STATUS: ACTIVE  
-----  
BUDGET PROJECT-TO-DATE YEAR-TO-DATE ENCUMBERED BALANCE  
-----  
TYPE CK# TRAN DT REF # VOUCH# VEND # DESCRIPTION TRANS AMT FISC YR PERIOD  
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\*\*\* No detail for this project \*\*\*

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PROGRAM GM186L

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PROJECT ACTIVITY LISTING

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PROJECT: DR1311-NEW CONSTRUCTION

		TYPE: DM-DEMAND MANAGEMENT		SUB-TYPE: RP-RESIDENTIAL PROGRAM		STATUS: ACTIVE	
TYPE	CHK#	TRAN DT	REF #	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED
				VOUCH#	VEND #	DESCRIPTION	TRANS AMT
01-0000-214.24-20	Demand Side Manage	.00		2,080.00			
AP	422450	12/11/2013	001189	324 HARRISVILLE VILLAGE LLC	1,040.00		.00
			231 & 233 Liberty Lane	New construction rebate			2,080.00-
AP	422450	12/11/2013	001190	324 HARRISVILLE VILLAGE LLC	1,040.00		.00
			235 & 237 Jefferson Rd	New construction rebate			2013 .12
			TRANSACTION TOTAL:		2,080.00		

==== PROJECT: DR1311 ===== P R O J E C T T O T A L S =====

CLASSIFICATION TOTALS:

TRANSACTION TOTAL:  
ESTIMATE COMPARISON:  
(ACTUAL) SUMMARY TOTAL:

LIABILITIES: 2,080.00

TRANSACTION TOTAL:	2,080.00	2,080.00	.00
ESTIMATE COMPARISON:		.00	
(ACTUAL) SUMMARY TOTAL:	.00	.00	2,080.00-



## PROJECT:DR1313-CHANGE A LIGHT CAMPAIGN

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
01-0000-214-24-20		DEMAND SIDE MANAGE		001279	46	PASCOAG UTILITY DISTRIC	.00	.00	.00	.00	.00	2013	698.95-
AP	422384	12/31/2013	1165-1004			1-13 Watt LED	5.00						12
AP	422384	12/31/2013	4955-3792	001279	46	PASCOAG UTILITY DISTRIC	17.50						12
AP	422384	12/23/2013	141-118	001259	46	PASCOAG UTILITY DISTRIC	5 LED String Lights	26.91					12
AP	422384	12/23/2013	2337-1842	001260	46	PASCOAG UTILITY DISTRIC	String LED Lights	25.00					12
AP	422384	12/17/2013	17495-10274	001228	46	PASCOAG UTILITY DISTRIC	2-12watt led bulbs	17.00					12
AP	422384	12/16/2013	319-394	001219	46	PASCOAG UTILITY DISTRIC	4 pk's led xmas light	11.50					12
AP	422326	12/11/2013	4421-3384	001192	46	PASCOAG UTILITY DISTRIC	100 LED C9 lights	18.00					12
AP	422326	12/11/2013	14567-6376	001192	46	PASCOAG UTILITY DISTRIC	4- 10w led bulbs	15.00					12
AP	422384	12/01/2013	9537-7454	001133	46	PASCOAG UTILITY DISTRIC	3 boxes led mini lights	12.00					12
AP	422384	12/01/2013	2277-1816	001161	46	PASCOAG UTILITY DISTRIC	Light bulbs	25.00					12
AP	422065	10/03/2013	12295-8298	000987	46	PASCOAG UTILITY DISTRIC	2- 12W LED Bulbs	6.26					10
AP	422065	10/03/2013	2903-2266	000987	46	PASCOAG UTILITY DISTRIC	2- 23w Flood Lights	38.94					10
AP	422065	10/03/2013	1165-1004	000987	46	PASCOAG UTILITY DISTRIC	4- 9.5W LED Flood	36.00					10
AP	421988	09/06/2013	8531-6696	000915	46	PASCOAG UTILITY DISTRIC	24- 8W LED	47.38					09
AP	421988	09/02/2013	8531-6696	000885	46	PASCOAG UTILITY DISTRIC	5-9w; 3-9.5w 3-8w; 3-11wLED	50.00					09
AP	421950	08/14/2013	5593-4318	000861	46	PASCOAG UTILITY DISTRIC	9-LED Resessed Lights LED	20.00					08
AP	421894	08/01/2013	2451-1926	000845	46	PASCOAG UTILITY DISTRIC	3- 9 watt LED bulbs	2.00					08
AP	421780	06/25/2013	2811-2200	000706	46	PASCOAG UTILITY DISTRIC	5-13w/1-14w LED	12.96					06
AP	421619	05/16/2013	12295-8295	000557	46	PASCOAG UTILITY DISTRIC	4-3w; 4-14w; 4-23w bulbs	50.00					05
AP	421624	05/16/2013	11849-9282	000567	46	PASCOAG UTILITY DISTRIC	6w led & 6-13.5 w led bul	4.30					05
AP	421624	05/09/2013	9537-7454	000539	46	PASCOAG UTILITY DISTRIC	6 pk 23W CFL'S	9.98					05
AP	421619	04/25/2013	4846-15947	000482	46	PASCOAG UTILITY DISTRIC	2-8WLED BULBS	5.00					04
AP	421458	04/10/2013	12479-2924	000429	46	PASCOAG UTILITY DISTRIC	Lightbulbs 6- 14w	9.50					04
AP	421388	03/29/2013	5153-3964	000342	46	PASCOAG UTILITY DISTRIC	11-13w	17.00					03
AP	421388	03/28/2013	11887-9310	000329	46	PASCOAG UTILITY DISTRIC	6-3w & 6-19w CFLS	8.00					03
						4-14w CFLS							

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PROJECT:DR1313-CHANGE A LIGHT CAMPAIGN

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS AMT	ENCUMBERED	FISC YR PERIOD	BALANCE
AP	421264	03/15/2013	14397-538	000266		46 PASCOAG UTILITY DISTRIC 8 - 14w CFLS			13 .46		.00		2013	03
AP	421264	03/15/2013	6599-5082	000267		46 PASCOAG UTILITY DISTRIC		50 .00			.00		2013	03
AP	421264	03/14/2013	9549-7466	000239		46 PASCOAG UTILITY DISTRIC 7 - 10w LED		37 .21			.00		2013	03
AP	421261	03/07/2013	10007-7824	000211		46 PASCOAG UTILITY DISTRIC 3 - 7w, 4-19w, 4-14w, 2-30w,		50 .00			.00		2013	03
AP	421119	02/01/2013	13333-4-490	000072		46 PASCOAG UTILITY DISTRIC 13-14W LED BULB		46 .55			.00		2013	02
AP	421119	02/01/2013	9101-7114	000073		46 PASCOAG UTILITY DISTRIC 4- 8w LED's & 2-7.5w LEDS		3 .50			.00		2013	02
AP	421119	01/24/2013	11849-9282	000047		46 PASCOAG UTILITY DISTRIC 4- 14w CFL'S		8 .00			.00		2013	01
						16- 13w CFL'S								
						TRANSACTION TOTAL:		698 .95			.00			

===== PROJECT: DR1313 ===== PROJECT TOTALS: ====== LIABILITIES: ======

TRANSACTION TOTAL:  
ESTIMATE COMPARISON:  
(ACTUAL) SUMMARY TOTAL:

1.05  
698.95-

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PROJECT:DR1314-ENERGY CNSRVTN CALENDAR

		TYPE: DM-DEMAND MANAGEMENT		SUB-TYPE: RP-RESIDENTIAL PROGRAM		STATUS: ACTIVE	
TYPE	CHK#	TRAN DT REF #	VOUCH# VEND #	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED
						TRANS AMT	TRANS ENCUMBERED
-	-	-	-	.00	2,132.19	.00	.00
-	01-0000-214-24-20	Demand Side Manage	408 PROJECT ENERGY SAVERS L		2,132.19		
AP	421018	01/02/2013	000011 500 Calendars				
		2013 E Saving Calendars	TRANSACTION TOTAL:		2,132.19		
==	PROJECT: DR1314	=====	PROJEC T T O T A L S	=====			
			CLASSIFICATION TOTALS:	LIABILITIES:	2,132.19		
			TRANSACTION TOTAL:		2,132.19	.00	
			ESTIMATE COMPARISON:		.00		.81
			(ACTUAL) SUMMARY TOTAL:		.00		2,132.19-

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PROJECT:DR1315-SMART POWER STRIP

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET PROJECT-TO-DATE		YEAR-TO-DATE		ENCUMBERED	TRANS ENCUMBERED	FISC YR	PERIOD	BALANCE
							TYPE:	DM-DEMAND MANAGEMENT	Sub-Type:	RP-RESIDENTIAL PROGRAM					
***	No detail for this project ***														

\*\*\* No detail for this project \*\*\*

PROJECT : DRI316-COMMITTED FOR 2012 PRGM

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	ENCUMBERED	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
01-0000-214-24-20 DEMAND SIDE MANAGE						.00	2,678.75			.00				2,678.75-
AP 421223 02/28/2013 16761-6790	000177				46 PASCOAG UTILITY DISTRIC	50.00				.00				2013 .02
AP 421223 02/26/2013 16761-6790	000158				5 LED Resessed Lights 9w		40.00			.00				
AP 421223 02/26/2013 16761-6790	000159				46 PASCOAG UTILITY DISTRIC	125.00				.00				2013 .02
AP 421151 02/11/2013 9117-7128	000107				46 PASCOAG UTILITY DISTRIC	125.00				.00				2013 .02
AP 421151 02/06/2013 1539-10240	000097				46 PASCOAG UTILITY DISTRIC	125.00				.00				2013 .02
AP 421151 02/06/2013 7519-4868	000098				46 PASCOAG UTILITY DISTRIC	50.00				.00				2013 .02
AP 421120 02/01/2013 2959-2296	000067				6 led down lights		50.00			.00				2013 .02
AP 421120 02/01/2013 601-4684	000068				46 PASCOAG UTILITY DISTRIC	50.00				.00				2013 .02
AP 421120 02/01/2013 5547-4280	000069				46 PASCOAG UTILITY DISTRIC	50.00				.00				2013 .02
AP 421120 02/01/2013 10279-4558	000076				46 PASCOAG UTILITY DISTRIC	202.00				.00				2013 .02
AP 421120 02/01/2013 10279-4558	000077				46 PASCOAG UTILITY DISTRIC	150.00				.00				2013 .02
AP 421164 01/29/2013 C1135044	000094				241 W. B. MASON COMPANY INC	998.40				.00				2013 .01
AP 421120 01/24/2013 10815-8456	000045				CUSTOM PRINTER FOLDER		125.00			.00				2013 .01
AP 01/18/2013 9345-7294	000056				46 PASCOAG UTILITY DISTRIC									
AP 421009 01/07/2013 16749-10396	000013				Refrig & Dishwasher									
AP 421014 01/07/2013 9345-7294	000013				519 LAND'S END BUSINESS OUT									
AP 421014 01/07/2013 85696720	000013				FLEECIE FOR DES									
					46 PASCOAG UTILITY DISTRIC									
					1-door 10 - windows									
					10 windows									
					46 PASCOAG UTILITY DISTRIC									
					7 windows & 1 door									
					TRANSACTION TOTAL:									
==== PROJECT: DRI316 ======					PROJECT TOTAL:									
CLASSIFICATION TOTALS:					TOTALS									
TRANSACTION TOTAL:														
ESTIMATE COMPARISON:														
(ACTUAL) SUMMARY TOTAL:														
===== GRAND TOTALS =====														

CLASSIFICATION TOTALS:	2,678.75
TRANSACTION TOTAL:	2,678.75
ESTIMATE COMPARISON:	2,678.75
(ACTUAL) SUMMARY TOTAL:	2,678.75

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PROJECT: DR1316-COMMITTED FOR 2012 PRGM

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

BUDGET PROJECT-TO-DATE

YEAR-TO-DATE

ENCUMBERED

BALANCE

TRAN DT REF # VOUCH# VEND # DESCRIPTION

TRANS AMT

FISC YR PERIOD

CLASSIFICATION TOTALS:

LIABILITIES:

31,561.05

.00

4,447.70

.00

31,561.05

.00

31,561.05

.00

(ACTUAL) SUMMARY TOTAL:

.00

31,561.05

.00

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PROJECT:DI1301-OFFICE EQUIP/ELECTRONICS

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: RP-RESIDENTIAL PROGRAM

STATUS: ACTIVE

TYPE	CRK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS AMT	TRANS ENCUMBERED	FISC YR	PERIOD	BALANCE
	01-0000-214-24-20 DEMAND SIDE MANAGE					00	370.00				.00	.00	2013	370.00-	
AP	422329	12/16/2013		001221	46	PASCOAG UTILITY DISTRIC	150.00				.00	.00	2013	370.00-	
AP	421142	06/18/2013	405-42-10 non op income	000668	46	Lap tops	3				.00	.00	2013	12	
AP	421187	04/01/2013		000346	46	PASCOAG UTILITY DISTRIC	50.00				.00	.00	2013	06	
AP	421262	03/11/2013	5593-4318	000233	46	SERVER					.00	.00	2013	04	
AP	421262	03/11/2013	9107-7120	000234	46	Laptop					.00	.00	2013	03	
AP	421262	03/11/2013	5593-4318	000164	46	PASCOAG UTILITY DISTRIC	50.00				.00	.00	2013	03	
AP	421221	02/26/2013	4989-3818		46	all in Printer	20.00				.00	.00	2013	02	
					Wyse Computer										
						TRANSACTION TOTAL:	370.00				.00	.00			
====	PROJECT: DI1301	=====	PROJECT TOTAL	=====	CLASSIFICATION TOTALS:	LIABILITIES:	370.00								
						TRANSACTION TOTAL:	370.00				.00	.00			
						ESTIMATE COMPARISON:	500.00								130.00
						(ACTUAL) SUMMARY TOTAL:	.00								370.00-

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PROJECT: D11302-BURRILLVILLE SCHL PROJECT TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: IC-INDUSTRIAL/COMMERCIAL STATUS: ACTIVE  
-----  
BUDGET PROJECT-TO-DATE YEAR-TO-DATE ENCOMBBERED BALANCE  
TYPE CK# TRAN DT REF # VEND # DESCRIPTION VOUCH# VEND# TRANS AMT TRANS AMT FISC YR PERIOD  
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\*\*\* No detail for this project \*\*\*



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PROJECT:DI1304-CONSULTATION FEES

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: IC-INDUSTRIAL/COMMERCIAL

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS AMT	TRANS AMT	FISC YR PERIOD	BALANCE

\*\*\* No detail for this project \*\*\*

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PROJECT: D11305-ES COMMERCIAL APPLIANCES TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: IC-INDUSTRIAL/COMMERCIAL STATUS: ACTIVE

TYPE	CFK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS AMT	TRANS AMT	FISC YR	PERIOD	BALANCE
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\*\*\* No detail for this project \*\*\*

CLASSIFICATION TOTALS:				GRAND TOTALS				
TRANSACTION TOTAL:	27,200.00	12,166.03	12,166.03	.00	15,033.97			
ESTIMATE TOTAL:	.00	.00	.00	.00	12,166.03			
(ACTUAL) SUMMARY TOTAL:		12,166.03						

LIABILITIES: 12,166.03

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PROJECT: DA1301-ADMINTATIVE

TYPE: DM-DEMAND MANAGEMENT

NCI STATUS: ACTIVE

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PROJECT: DA1301-ADMINISTRATIVE									
	TYPE: DM-DEMAND MANAGEMENT			SUB-TYPE: AE-ADMIN & EDUCATION			STATUS: ACTIVE		
TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE
								TRANS AMT	TRANS AMT
								ENCUMBERED	ENCUMBERED
								FISC YR PERIOD	BALANCE
AJ	01-0000-502.59-30 OVERHEAD LINE EXPENSE	08/22/2013	TIME SHEET			.00 Time sheet Jan- Aug	.00	.00	.00
AJ	08/22/2013 TIME SHEET					Labor/Materials thru Aug.	65.80-	.00	2013 .08
						REVERSE DSM TIME SHEET	65.80	.00	2013 .08
						HIT DSM FOR LIAB ACT			
						TRANSACTION TOTAL:	.00	.00	
AJ	01-0000-503.90-30 CUST RECORD & COLL	08/22/2013	TIME SHEET			.00 Time sheet Jan- Aug	.00	.00	.00
AJ	08/22/2013 TIME SHEET					Labor/Materials thru Aug.	11,459.94	.00	2013 .08
						REVERSE DSM TIME SHEET	11,459.94	.00	2013 .08
						HIT DSM FOR LIAB ACT			
						TRANSACTION TOTAL:	.00	.00	
AJ	01-0000-506.92-01 ADMIN SALARIES	08/22/2013	TIME SHEET			.00 Time sheet Jan- Aug	.00	.00	.00
AJ	08/22/2013 TIME SHEET					Labor/Materials thru Aug.	1,015.27-	.00	2013 .08
						REVERSE DSM TIME SHEET	1,015.27	.00	2013 .08
						HIT DSM FOR LIAB ACT			
						TRANSACTION TOTAL:	.00	.00	
AJ	01-0000-506.92-10 OFFICE SUPPLIES	08/22/2013	TIME SHEET			.00 Time sheet Jan- Aug	.00	.00	.00
AJ	08/22/2013 TIME SHEET					Labor/Materials thru Aug.	125.30-	.00	2013 .08
						REVERSE DSM TIME SHEET	125.30	.00	2013 .08
						HIT DSM FOR LIAB ACT			
						TRANSACTION TOTAL:	.00	.00	
						CLASSIFICATION TOTALS:			
						LIABILITIES:			
						PROJECT: DA1301 ===== PROJEKT TOTALS =====			
						CLASSIFICATION TOTALS:	20,499.90		
						LIABILITIES:	20,499.90		
						TRANSACTION TOTAL:	20,499.90		
						ESTIMATE COMPARISON:	20,500.00		
						ESTIMATE COMPARED:	20,499.90		
						ESTIMATE DIFFERENCE:	0.00		
						ESTIMATE DIFFERENCE %:	0.00%		
						ESTIMATE DIFFERENCE \$:	0.00		

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PROJECT:DA1302 - FOLLOW-UP TO SUCCESSFUL P TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: AE-ADMIN & EDUCATION STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS ENCUMBERED	FISC YR	PERIOD	BALANCE
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

\*\*\* No detail for this project \*\*\*

## PROJECT:DA1303-OUTREACH/EDUCATION

TYPE	CHK#	TRAN DT	REF #	VOUCH#	DESCRIP	PROJECT-TO-DATE	YEAR-TO-DATE	SUB-TYPE: AE-ADMIN & EDUCATION		ENCUMBERED	TRANS	BALANCE
								BUDGET	AMT			
01-0000-214.24-20 DEMAND SIDE MANAGE					001261	138 CULVER COMPANY	.00	10,502.89	.00		.00	10,502.89-
AP 422418 12/23/2013 PO Harle Round						pencils, rulers, flyers,		186.48			.00	2013 12
AP 422402 12/11/2013 Budget Lunch bags					001186	676 WALKER-CLAY INC		1,156.14			.00	2013 12
AP 421973 09/12/2013 PUD					000925	DSM GIVEAWAYS						
AJ 08/22/2013 TIME SHEET						138 CULVER COMPANY		3,536.92			.00	2013 09
						Clips/House brns/ msr tpe						
						Summer Workshop-DSM		155.61			.00	2013 08
						7-27-13						
AJ 08/22/2013 TIME SHEET						Family Fair		296.35			.00	2013 08
AJ 08/22/2013 TIME SHEET						6-15-13						
AJ 08/22/2013 TIME SHEET						RI Public Power Energy		86.42			.00	2013 08
AJ 08/22/2013 TIME SHEET						8-16-13						
AJ 08/22/2013 TIME SHEET						Conservation leadership		296.35			.00	2013 08
AJ 08/22/2013 TIME SHEET						5-3-13						
AJ 08/22/2013 TIME SHEET						REVERSE DSM TIME SHEET		155.61-			.00	2013 08
AJ 08/22/2013 TIME SHEET						HIT DSM FOR LIAB ACT						
AJ 08/22/2013 TIME SHEET						REVERSE DSM TIME SHEET		296.35-			.00	2013 08
AJ 08/22/2013 TIME SHEET						HIT DSM FOR LIAB ACT						
AJ 08/22/2013 TIME SHEET						REVERSE DSM TIME SHEET		86.42-			.00	2013 08
AJ 08/22/2013 TIME SHEET						HIT DSM FOR LIAB ACT						
AJ 08/22/2013 TIME SHEET						REVERSE DSM TIME SHEET		296.35-			.00	2013 08
AJ 08/22/2013 TIME SHEET						HIT DSM FOR LIAB ACT		155.61			.00	2013 08
AJ 08/22/2013 TIME SHEET						DSM TIME SHEET CORRECTE						
AJ 08/22/2013 TIME SHEET						RECORD LABOR/SUPPLIES						
AJ 08/22/2013 TIME SHEET						DSM TIME SHEET CORRECTE		296.35			.00	2013 08
AJ 08/22/2013 TIME SHEET						RECORD LABOR/SUPPLIES						
AJ 08/22/2013 TIME SHEET						DSM TIME SHEET CORRECTE						
AJ 08/22/2013 TIME SHEET						RECORD LABOR/SUPPLIES						
AP 421909 07/31/2013 A/C ENDING W/				000877		340 AMERICAN EXPRESS ENERGY BOOTH - FRM MKT						
AP 421807 07/25/2013 Banner Payment				9-63006	000819	333 EAST COAST ARTISANS		425.00			.00	2013 07
AP 421667 05/21/2013				000604		Banner for Green Festival						
						217 STAPLES BUSINESS ADVANT		256.29			.00	2013 05
						3 PANEL DISPLAY SYSTEM						
AJ 05/20/2013 DSM ADJ						MBA Team Inc.						
						DSM Web Design portion						
AP 421551 04/30/2013				000587		340 AMERICAN EXPRESS		35.20			.00	2013 04
CR 04/02/2013 0012023						DSM Conservation award						
						CREDIT BALANCE REFLND		6.15-			.00	2013 04
						PSCCSH2 04/02/13 01						
AP 04/02/2013				000356		519 LAND'S END BUSINESS OUT						
AP 421490 03/31/2013				000484		CREDIT REFUND RECEIVED						
AP 421235 03/08/2013				000245		104 AMERICAN PUBLIC POWER A		769.64			.00	2013 03
						Annual dues DEED Program						
						104 AMERICAN PUBLIC POWER A		499.00			.00	2013 03
						FACEBOOK FEEDS						
AP 02/28/2013				000286		629 BILLTRUST						
						correction 2						
						cycle 4 inserts						

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PROJECT:DAI303-OUTREACH/EDUCATION

TYPE		CHK#		TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCLUMBERED	ENCUMBERED	FISC YR PERIOD	BALANCE
AP		02/28/2013		000288		629 BILLTRUST		correction 3		51.30		.00		2013	02	
AP		02/28/2013		cycle 3 inserts		629 BILLTRUST		correction 1		51.78		.00		2013	02	
AP		02/28/2013		cycle 5 inserts		629 BILLTRUST				49.62		.00		2013	02	
AP	421216	02/14/2013		PASCOAGRUTILITY	000194	629 BILLTRUST		CYC 2 INCENTIVE INSERTS								
AP	421216	02/14/2013		PASCOAGRUTILITY	000194	629 BILLTRUST		CYC 1 INCENTIVE INSERTS		46.80		.00		2013	02	
AP	421171	02/07/2013		PASCOAGRUTILITY	000144	629 BILLTRUST				20.52		.00		2013	02	
AP	421091	01/12/2013		A/C ENDING W/ 9-63006	000048	340 AMERICAN EXPRESS		COMMERCIAL INCENTIVE INSE		26.00		.00		2013	01	
AP				MAG SUBSCRIPTIONS												
				TRANSACTION TOTAL:						10,502.89		.00				
<hr/>																
01-0000-503 .90-30 CUST RECORD & COLL																
AJ		08/22/2013		TIME SHEET		.00		Family Fair		123.45-		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		6-15-13		RI Public Power Energy		86.42-		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		8-16-13		Conservation leadership		123.45-		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		5-3-13		REVERSE DSM TIME SHEET		123.45		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		HIT DSM FOR LIAB ACT		REVERSE DSM TIME SHEET		86.42		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		HIT DSM FOR LIAB ACT		REVERSE DSM TIME SHEET		123.45		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		HIT DSM FOR LIAB ACT		REVERSE DSM TIME SHEET								
				TRANSACTION TOTAL:						.00						
<hr/>																
01-0000-506 .92-01 ADMIN SALARIES																
AJ		08/22/2013		TIME SHEET		.00		Summer Workshop		155.61-		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		6-15-13		Family Fair		172.90-		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		6-15-13		Conservation leadership		172.90-		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		5-3-13		REVERSE DSM TIME SHEET		155.61		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		HIT DSM FOR LIAB ACT		REVERSE DSM TIME SHEET		172.90		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		HIT DSM FOR LIAB ACT		REVERSE DSM TIME SHEET		172.90		.00		2013	.08	
AJ		08/22/2013		TIME SHEET		HIT DSM FOR LIAB ACT		REVERSE DSM TIME SHEET								
				TRANSACTION TOTAL:						.00						
<hr/>																
01-0000-506 .92-12 CUSTODIAN																
AP	421909	07/31/2013		A/C ENDING W/ 9-63006	000877	340 AMERICAN EXPRESS		CLEANING SUPPLIES		.00		.00		2013	.07	
AP		07/31/2013		000920		340 AMERICAN EXPRESS		NOT A DSM PROJECT		20.87-		.00		2013	.08	
				TRANSACTION TOTAL:						.00						

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PROJECT:DA1303-OUTREACH/EDUCATION

TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: AE-ADMIN & EDUCATION STATUS: ACTIVE

TYPE	CK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	TRANS ENCL#	FISC YR	PERIOD	BALANCE	
====	PROJECT: DA1303	=====	PR O J E C T	T O T A L S											

CLASSIFICATION TOTALS:

TRANSACTION TOTAL:	ESTIMATE COMPARISON:	(ACTUAL) SUMMARY TOTAL:	LIABILITIES:
10,700.00	10,502.89	.00	10,502.89
.00	10,502.89	.00	.00

CLASSIFICATION TOTALS:

TRANSACTION TOTAL:	ESTIMATE COMPARISON:	(ACTUAL) SUMMARY TOTAL:	LIABILITIES:
10,700.00	10,502.89	.00	10,502.89
.00	10,502.89	.00	.00

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PROJECT : DA1304-BHS PROJECT

TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: AE-ADMIN & EDUCATION STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	ENCUMBERED	TRANS	ENCUMBERED	FISC YR	PERIOD	BALANCE	
	01-0000-214-24-20	D E M A N D   S I D E   M A N A G E				.00		.00	.00		.00		.00		.00	
AP	421237	02/28/2013	001206	629 BILLTRUST	CYCLE 5 INSERTS			51.78			.00		2013	02		
AP	421237	02/28/2013	000206	629 BILLTRUST	CYCLE 4 INSERTS			52.08			.00		2013	02		
AP	421237	02/28/2013	000219	629 BILLTRUST	CYCLE 4 INSERTS			51.30			.00		2013	02		
AP	02/28/2013	cycle 4 inserts	000285	629 BILLTRUST	CYCLE 3 INSERTS			52.08-			.00		2013	02		
AP	02/28/2013	cycle 3 inserts	000287	629 BILLTRUST	correction 2			51.30-			.00		2013	02		
AP	02/28/2013	cycle 5 inserts	000289	629 BILLTRUST	correction 3			51.78-			.00		2013	02		
					correction 1				TRANSACTION TOTAL:		.00					
====	PROJECT: DA1304	=====	PR O J E C T   T O T A L S	=====												
			TRANSACTION TOTAL:								.00					
			ESTIMATE COMPARISON:								.00					
			(ACTUAL) SUMMARY TOTAL:								.00					
															6,000.00	

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PROJECT: DA1306-BE MANAGEMENT CONT EDU

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: AE-ADMIN & EDUCATION

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	DESCRIPTION	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	ENCUMBERED	TRANS ENCUMBERED	FISC YR PERIOD	BALANCE
	01-0000-2114-24-20 DEMAND SIDE MANAGE					.00 RIPPEP Meeting	1,488.67	.00	.00	.00	.00	.00	1,488.67-	
AJ		12/16/2013	TIME SHEET			12-6-13		86.42					2013	12
AP	422090	10/21/2013	A/C ENDING 9-63006	001071	340	AMERICAN EXPRESS MEAM EDU SUMMIT TIME SHEET - DSM	172.02						2013	09
AJ		10/04/2013	DSM-CHARGE			EE EDUCATION SUMMIT	395.04						2013	10
AP	422075	09/28/2013		000982	295	ROUND, HARLE EE MANAGEMENT CONT. EDU	193.02						2013	09
AJ		08/22/2013	TIME SHEET			Energy Star webinars Webinar 6-4/6-11	61.73						2013	08
AJ		08/22/2013	TIME SHEET			REVERSE DSM TIME SHEET HIT DSM FOR LIAB ACT	61.73-						2013	08
AJ		08/22/2013	TIME SHEET			DSM TIME SHEET CORRECTE RECORD LABOR/SUPPLIES	61.73						2013	08
AP	421059	08/16/2013		000907	295	ROUND, HARLE PUC - PARTNERSHIP	32.25						2013	08
AP	421796	07/15/2013		000823	340	AMERICAN EXPRESS Education EE Certificate	172.14						2013	07
AP	421691	07/06/2013		000828	668	MEAM Conference- MEM	175.00						2013	07
AP	421700	06/20/2013	EDU Summit- DSM	000674	46	PASCOAG UTILITY DISTRIC Food/tolls/tip	41.66						2013	06
AP	421844	06/20/2013	Neep Conference	000675	295	ROUND, HARLE Neo Workshop -Electronic	84.39						2013	06
AP	421551	04/30/2013		000586	340	AMERICAN EXPRESS dsm Need Conf TRANSACTION TOTAL:	75.00						2013	04
							1,488.67							
	01-0000-503-90-30 CUST RECORD & COLL				.00	Energy Star webinar Webinar 6-4/6-11	.00						2013	.00
AJ		08/22/2013	TIME SHEET			REVERSE DSM TIME SHEET HIT DSM FOR LIAB ACT	61.73-						2013	.08
AJ		08/22/2013	TIME SHEET			TRANSACTION TOTAL:	.00							
==	PROJECT: DA1306 ======					CLASSIFICATION TOTALS:								
						LIABILITIES:								
						TRANSACTION TOTAL:								
						ESTIMATE COMPARISON:								
						(ACTUAL) SUMMARY TOTAL:								
						4,500.00	1,488.67							3,011.33
						.00	1,488.67							1,488.67-

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PROJECT:DA1307 -PROGRAM RESEARCH & DVLPMNT TYPE: DM-DEMAND MANAGEMENT SUB-TYPE: AE-ADMIN & EDUCATION STATUS: ACTIVE  
-----  
BUDGET PROJECT-TO-DATE YEAR-TO-DATE ENCUMBERED BALANCE  
-----  
TYPE CHK# TRAN DT REF # VOUCH# VEND # DESCRIPTION TRANS AMT TRANS AMT FISC YR PERIOD  
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\*\*\* No detail for this project \*\*\*

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PROJECT: DA1308-LED STREET LIGHT INCENT

TYPE: DM-DEMAND MANAGEMENT

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	BUDGET	PROJECT #	DESCRIPTION	PROJECT - TO - DATE	YEAR - TO - DATE	ENCUMBERED	TRANS	ENCUMBERED	BALANCE	FISC YR	PERIOD	
01-0000-214-24-20 DEMAND SIDE MANAGE						.00		20,249.25						.00	20,249.25-		
AP 422392 12/31/2013	001284	46	PASCOAG UTILITY DISTRIC			6,749.75								.00	2013	12	
AP 422187 10/25/2013	405-42-10 non op income	001080	35-25w LED ST Lights														
		001080	46 PASCOAG UTILITY DISTRIC			13,499.50								.00	2013	10	
		405-42-10 misc non op inc	35-25w LED & 35-50W LED														
			TRANSACTION TOTAL:						20,249.25					.00			
==	PROJECT: DA1308	=====	PROJEC T	TOTAL S	=====												
			CLASSIFICATION TOTALS:					LIABILITIES:		20,249.25							
			TRANSACTION TOTAL:							20,249.25							
			ESTIMATE COMPARISON:								.00				1,503.25-		
			(ACTUAL) SUMMARY TOTAL:									.00			20,249.25-		

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PROJECT: DAL1309-LED STREET LIGHT PILOT

TYPE: DM-DEMAND MANAGEMENT

SUB-TYPE: AE-ADMIN & EDUCATION

STATUS: ACTIVE

TYPE	CHK#	TRAN DT	REF #	VOUCH#	VEND #	BUDGET	PROJECT-TO-DATE	YEAR-TO-DATE	TRANS AMT	ENCUMBERED	TRANS ENCUMBERED	BALANCE	FISC YR PERIOD
	01-0000-214-24-20	Demand Side Manage		.00		6,769.86			.00			6,769.86-	
AJ	08/01/2013	LED PILOT				to allocate labor/ Truc	2,815.19		.00			2013 .08	
AJ	08/01/2013	LED SL				Feb-June installation							
AJ	07/26/2013	LED ST LT				LED Pilot time sheet	259.25		.00			2013 .08	
AJ	07/26/2013	LED ST LT				for tracking the project							
AP	421763	06/30/2013	000742			LED SL Labor	563.28		.00			2013 .07	
AP	421763	06/30/2013	PASCOAGRILUTILITY			LED Street Light Adj							
AJ	04/30/2013	LED ADJ				629 BILLTRUST	357.48		.00			2013 .06	
AJ	04/30/2013	LED ADJ				INSERT - LED SL SURVEY							
AJ	04/30/2013	LED ADJ				LED SL ADJ	2,774.66		.00			2013 .04	
AJ	04/30/2013	LED ADJ				LED SL Labor/transp/mtrl							
AJ	04/30/2013	LED ADJ				TRANSACTION TOTAL:	6,769.86		.00				
==	PROJECT: DAL1309	=====	PROJEKT	TOTAL S	=====								
						CLASSIFICATION TOTALS:							
						LIABILITIES:	6,769.86						
						TRANSACTION TOTAL:							
						ESTIMATE COMPARISON:	6,769.85		6,769.86		.00		
						(ACTUAL) SUMMARY TOTAL:	.00		6,769.86		.00		6,769.86-
						CLASSIFICATION TOTALS:							
						LIABILITIES:	69,110.57						
						TRANSACTION TOTAL:							
						ESTIMATE TOTAL:	77,315.85		69,110.57		.00		8,205.28
						(ACTUAL) SUMMARY TOTAL:	.00		69,110.57		.00		69,110.57-

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Exhibit IV

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(

Jan	\$3,685.32 \$1,036.74 \$1,217.75 \$1,201.39 \$1,004.33 \$1,206.25 Off cycle Billing Adjustments	July	\$ 4,095.31 \$956.48 \$1,031.10 \$1,241.26 \$1,498.45 \$1,227.49 \$1,000.24 (\$204.03)
Feb	\$4,273.90 \$1,025.93 \$1,122.96 \$1,155.23 \$1,426.82 \$1,316.04 Off cycle Billing Adjustments	August	\$4,857.23 \$1,468.83 \$1,537.39 \$1,357.17 \$1,600.85 \$1,222.81 \$177.55 (\$73.75)
March	\$3,467.02 \$946.32 \$1,033.03 \$1,046.46 \$1,019.47 \$702.10 Off cycle Billing Adjustments	September	\$3,824.49 \$1,151.97 \$1,106.36 \$1,213.18 \$1,295.99 \$1,040.96 \$35.62 (\$33.08)
April	\$3,855.33 \$903.29 \$957.58 \$1,001.63 \$1,104.97 \$992.41 Off cycle Billing Corrections	October	\$4,243.85 \$807.62 \$802.45 \$865.23 \$949.42 \$775.38 \$64.56 (\$3.91)
May	\$4,083.01 \$806.75 \$907.62 \$919.43 \$1,092.41 \$872.95 Off Cycle Billing Corrections	Nov	\$4,055.43 \$867.27 \$975.47 \$1,000.10 \$1,174.36 \$1,001.68 \$16.43 Off Cycle Billing Corrections
June	\$3,620.21 \$941.28 \$888.67 \$974.79 \$1,063.65 \$891.05 Off cycles Billing Corrections	December	\$3,657.27 \$952.25 \$1,010.99 \$1,070.63 \$1,204.22 \$1,105.15 \$6.69 (\$0.16)
		cycle 4 & 5	
		Off Cycle Billing Corrections	\$91.28 (\$0.63) ADJ to GL
Total Jan - June	\$54,750.25	Total July -December	\$58,375.46
Estimated Total Budget w/ carry over Light Bulb Sales	\$126,028.60 \$43.00		
Total Collected for 2013 YTD	\$113,125.71		
Actual Carry Over from 2012	\$34,028.60		
Actual DSM dollars collected	<u>\$147,197.31</u>		
Minus DSM Expenses as of 12-31-13	<u><b>\$ 112,837.65</b></u>		
DSM budget dollars unspent	<u><u>\$34,359.66</u></u>		
2013 GL balance Difference	<u><u>\$34,359.66</u></u> \$0.00		

( )  
Exhibit V

Pascoag Utility District  
Savings associated with completed conservation projects for 2013

<i>Project</i>	<i>KW Savings</i>	<i>kWh Savings</i>	<i>Dollars (\$0.144/kWh)</i>
<i>Pascoag Fire District Hose 2</i>		<i>2,549.04 kWh</i>	<i>\$331.73</i>
<i>Spritters Retrofit Lighting Project</i>		<i>2,746 kWh</i>	<i>\$330.96</i>
<i>Pascoag Utility District Garage Retrofit</i>		<i>3,625 kWh</i>	<i>\$507.50</i>
		<i>792 x 8 = 6,336 kWh</i>	<i>\$114 x 8 = \$912</i>
<i>Central Air Conditioner:</i> <i>4 Residential and 4 New Construction</i>		<i>22,048 kWh</i>	<i>\$3,175.00</i>
<i>Light bulb rebates CFL &amp; LED Bulbs</i>		<i>2,429 kWh</i>	<i>\$316.00</i>
<i>Office Equipment</i>		<i>12,992</i>	<i>\$1,644.91</i>
<i>Refrigerator Buy Back</i>			
<i>Appliance Rebates 2013</i>	<i>51,960</i>		<i>\$7,482.24</i>
<i>LED Street Light Savings</i>	<i>33,494</i>		<i>\$3,070.00</i>

Exhibit V

*Brothers of the Sacred Heart 8-Boilers*

**Energy Cost Saved**    \$136 x 8= \$1088.00

*Energy Consumption Saved (MMBTU) 5 x 8= 40*

*Energy Consumption (Gallons) 36 x 8= \$288 Gallons*

*10 Residential Boiler Replacements*

*Energy Cost Saved \$136 x 10 = \$1360.00*

*Energy Consumption Saved (MMBTU) 5 x 10= 50*

*Energy Consumption (Gallons) 36 x 10= \$360 Gallons*

*Windows and Doors*

*17 Homes replacing 10 Windows*

*Replacing Single pane windows would be a savings of \$7,701.00 annually*

*Replacing Double pane windows would be a savings of \$3,043 annually*

*Total KWh Saved: 86,209*

Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.  
[www.energystar.gov](http://www.energystar.gov)



CHANGE FOR THE  
BETTER WITH  
ENERGY STAR

### Life Cycle Cost Estimate for 1 ENERGY STAR Qualified Central Air Conditioner(s)

This energy savings calculator was developed by the U.S. EPA and U.S. DOE and is provided for estimating purposes only. Actual energy savings may vary based on use and other factors.

Enter your own values in the gray boxes or use our default values.

Choose your city from the menu at right	<input type="text" value="CT-Hartford"/>
---	--

Enter your own values in the gray boxes or use our default values.

Number of units	<input type="text" value="1"/>
Electric Rate (\$/kWh)	<input type="text" value="\$0.144"/>
ENERGY STAR Qualified Unit	
Initial Cost per Unit (estimated retail price with installation)**	<input type="text" value="\$4,057"/>
Seasonal Energy Efficiency Ratio (SEER) rating	<input type="text" value="14.5"/>
Cooling Capacity of Air Conditioner (Btu/hr)	<input type="text" value="5 ton"/>
Use with programmable Thermostat (Yes/No)	<input type="text" value="Yes"/>
Conventional Unit	
	<input type="text" value="\$3,501"/>
	<input type="text" value="13.0"/>
	<input type="text" value="5 ton"/>
	<input type="text" value="No"/>

### Annual and Life Cycle Costs and Savings for 1 Central Air Conditioner(s)

	1 ENERGY STAR Qualified Units	1 Conventional Units	Savings with ENERGY STAR
<b>Annual Operating Costs*</b>			
Energy cost	\$348	\$462	\$114
Energy consumption (kWh)	2,416	3,208	792
Maintenance cost	\$0	\$0	\$0
<b>Total</b>	<b>\$348</b>	<b>\$462</b>	<b>\$114</b>
<b>Life Cycle Costs*</b>			
Operating costs (energy and maintenance)	\$3,675	\$4,879	\$1,205
Energy costs	\$3,675	\$4,879	\$1,205
Energy consumption (kWh)	33,820	44,908	11,088
Maintenance costs	\$0	\$0	\$0
Purchase price for 1 unit(s)	\$4,057	\$3,501	-\$556
<b>Total</b>	<b>\$7,732</b>	<b>\$8,381</b>	<b>\$649</b>
Simple payback of initial additional cost (years) <sup>†</sup>			4.9

\* Annual costs exclude the initial purchase price. All costs, except initial cost, are discounted over the products' lifetime using a real discount rate of 4%. See "Assumptions" to change factors including the discount rate.

<sup>†</sup> A simple payback period of zero years means that the payback is immediate.

### Summary of Benefits for 1 Central Air Conditioner(s)

Initial cost difference	\$556
Life cycle savings	\$1,205
Net life cycle savings (life cycle savings - additional cost)	\$649
Simple payback of additional cost (years)	4.9
Life cycle energy saved (kWh)	11,088
Life cycle air pollution reduction (lbs of CO <sub>2</sub> )	17,075
Air pollution reduction equivalence (number of cars removed from the road for a year)	2
Savings as a percent of retail price	16%

4 - Residential  
4 New Construction

# Savings Calculator for ENERGY STAR Qualified Light Bulbs

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of light bulbs and the savings with ENERGY STAR.

New ENERGY STAR qualified compact fluorescent lighting is compared to the average available new conventional light bulbs. Actual savings may vary based on use and other factors.

See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.

## Where will your lighting be used?

Commercial or residential use  
Location  
Electric Rate (\$/kWh)

Residential	<input checked="" type="radio"/>
Rhode Island	<input type="radio"/>
\$0.144	<input type="radio"/>

Average Rhode Island residential electric rate is \$0.144/kWh. If you know your own rate, enter it below.

**What light bulbs are you planning to purchase? Enter quantities below, then either fill in product information or use the defaults.**

Compact fluorescent (CFL)	Quantity	Comparable incandescent or Halogen bulb	ENERGY STAR bulb	Average daily use (hours)	Additional cost per unit for ENERGY STAR bulb	Rated lifetime of ENERGY STAR bulb (hours)	Labor cost per bulb replacement	Optional: Incentive or discount amount per bulb
Bulb 1	14	40 W Incandescent	▼ 9 W CFL	5.0	\$2.80	8,000	► \$0.00	\$0.00
Bulb 2	57	75 W Incandescent	▼ 13 W CFL	5.0	\$2.80	8,000	► \$0.00	\$0.00

Users can compare CFLs to incandescent bulbs or to a new type of halogen bulbs that have similar light output to incandescents but slightly lower wattage due to new Federal standards. For the halogen bulbs, incandescent equivalents are shown in parentheses. Learn more about the standards using the link below about EISA.

## LED - omnidirectional

Bulb 1	4	40 W Incandescent	▼ 6 W LED	▼ 5.0	\$7.60	25,000	▼ \$0.00	\$0.00
Bulb 2	63	60 W Incandescent	▼ 10 W LED	▼ 5.0	\$9.60	25,000	▼ \$0.00	\$0.00

## LED - flood/spot reflector

Bulb 1	21	75 W halogen	▼ 14 W LED	▼ 5.0	\$49.20	25,000	▼ \$0.00	\$0.00
Bulb 2	7	50 W halogen	▼ 10 W LED	▼ 5.0	\$37.70	25,000	▼ \$0.00	\$0.00

Halogen bulbs are assumed to be the comparable bulb for LED flood/spot reflectors.

[Click here to go to the RESULTS tab and see your savings.](#)

See the ENERGY STAR website for more information:

[ENERGY STAR Lighting Page](#)

[Bulb Purchasing Guide](#)

[The difference between an ENERGY STAR fixture and a standard fixture with a CFL](#)

[About the Energy Independence and Security Act of 2007 \(EISA\)](#)

[Frequently Asked Questions about lighting](#)

[List of incentive programs for consumers](#)

To see detail on the formulas and values used in this calculator or to modify assumptions, click on the grey tabs at bottom of the page.

# Savings Estimate for ENERGY STAR Qualified Light Bulbs

## Results Overview

The ENERGY STAR models of your selected light bulbs will save approximately 82%. Each year you will save approximately 16,087 kWh of electricity and \$2,317. Over the life of the light bulbs you will save approximately \$17,355 in electricity costs and \$4,949 in equipment replacement costs. By choosing ENERGY STAR you will reduce emissions by approximately 24,775 pounds of carbon dioxide annually, which is equivalent to the emissions of 2.3 cars.

## Results Detail

	Quantity	Annual Total		Life Cycle Total				% Electricity Savings with ENERGY STAR	Total additional purchase price	Simple payback period for initial cost (years)	Assumed equipment lifetime (years)
		Electricity cost savings	kWh	Electricity consumption (kWh)	Emissions reduction (pounds of CO <sub>2</sub> )	Electricity cost savings	Avoided cost for replacement bulbs & labor				
<b>CFL</b>											
Bulb 1 (9 W CFL replacing 40 W)	14	\$114	792	\$33	230	1,220	\$450	3,472	\$35	\$447	78%
Bulb 2 (13 W CFL Replacing 40 W)	57	\$929	6,450	\$195	1,352	9,932	\$3,668	28,272	\$144	\$3,652	83%
<b>LED omnidirectional</b>											
Bulb 1 (6 W LED replacing 40 W)	4	\$36	248	\$6	44	382	\$371	3,400	\$29	\$370	85%
Bulb 2 (10 W LED Replacing 60 W)	63	\$828	5,749	\$166	1,150	8,853	\$8,602	78,750	\$459	\$8,456	83%
<b>LED flood/spot reflector</b>											
Bulb 1 (14 W LED replacing 75 W)	21	\$337	2,338	\$77	537	3,600	\$3,498	32,025	\$3,212	\$5,677	81%
Bulb 2 (10 W LED Replacing 50 W)	7	\$74	511	\$18	128	787	\$765	7,000	\$1,071	\$1,571	80%
<b>Total</b>	<b>186</b>	<b>\$2,317</b>	<b>16,087</b>	<b>\$495</b>	<b>3,440</b>	<b>24,775</b>	<b>\$17,355</b>	<b>152,919</b>	<b>\$4,949</b>	<b>\$20,172</b>	<b>82%</b>
										<b>\$2,131</b>	<b>0.8</b>

### Notes:

Savings for ENERGY STAR lighting includes an avoided cost for replacements because efficient lighting typically lasts longer than conventional lighting.

More efficient lighting releases less heat into the surroundings, so upgrading to ENERGY STAR lighting may also have an impact on your heating and cooling costs.

Total additional purchase price is the incremental cost for ENERGY STAR equipment reduced by any rebate/incentive amount entered on Inputs tab.

Life cycle cost savings are given in terms of present value based on a real discount rate of 4%. See General Assumptions tab to adjust the discount rate.

Life cycle net cost savings = life cycle electricity cost savings + avoided replacement cost - additional purchase price

Simple payback calculation is based on total additional purchase price, annual electricity cost savings and annual bulb replacement costs

If every American home replaced their 5 most frequently used light fixtures or the bulbs in them with ones that have earned the ENERGY STAR, we would save approximately \$8 billion each year in energy costs, and together we would prevent the greenhouse gases equivalent to the emissions from 10 million cars.

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of light bulbs and the savings with ENERGY STAR.

New ENERGY STAR qualified light bulbs are compared to the average available new conventional light bulbs. Actual savings may vary based on use and other factors.

See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.



LEARN MORE AT  
[energystar.gov](http://energystar.gov)

# Savings Calculator for ENERGY STAR Qualified Light Bulbs

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of light bulbs and the savings with ENERGY STAR. New ENERGY STAR qualified compact fluorescent lighting is compared to the average available new conventional light bulbs. Actual savings may vary based on use and other factors.

See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.

## Where will your lighting be used?

Commercial or residential use	<input type="radio"/>
Location	<input checked="" type="radio"/>
Electric Rate (\$/kWh)	\$0.144

**What light bulbs are you planning to purchase? Enter quantities below, then either fill in product information or use the defaults.**

Compact fluorescent (CFL)	Quantity	Comparable incandescent or Halogen bulb	ENERGY STAR bulb	Average daily use (hours)	Rated lifetime of ENERGY STAR bulb (hours)	Additional cost per unit for ENERGY STAR bulb	Labor cost per bulb replacement	Incentive or discount amount per bulb
Bulb 1	16	72 W halogen (100 equivalent)	23 W CFL	5.0	8,000	\$0.80	\$0.00	\$0.00
Bulb 2	2	150 W incandescent	30 W CFL	5.0	8,000	\$2.60	\$0.00	\$0.00

*Users can compare CFLs to incandescent bulbs or to a new type of halogen bulbs that have similar light output to incandescents but slightly lower wattage due to new Federal standards. For the halogen bulbs, incandescent equivalents are shown in parentheses. Learn more about the standards using the link below about EISA.*

LED - omnidirectional

Bulb 1	0	►	►
Bulb 2	0	►	►

LED - flood/spot reflector

Bulb 1	0	►	►
Bulb 2	0	►	►

[Click here to go to the RESULTS tab and see your savings.](#)

See the ENERGY STAR website for more information:

[ENERGY STAR Lighting Page](#)

[Bulb Purchasing Guide](#)

[The difference between an ENERGY STAR fixture and a standard fixture with a CFL](#)

[About the Energy Independence and Security Act of 2007 \(EISA\)](#)

[Frequently Asked Questions about lighting](#)

[List of incentive programs for consumers](#)

To see detail on the formulas and values used in this calculator or to modify assumptions, click on the grey tabs at bottom of the page.

# Savings Estimate for ENERGY STAR Qualified Light Bulbs

## Results Overview

The ENERGY STAR models of your selected light bulbs will save approximately 71%. Each year you will save approximately 1,869 kWh of electricity and \$269. Over the life of the light bulbs you will save approximately \$1,063 in electricity costs and \$247 in equipment replacement costs. By choosing ENERGY STAR you will reduce emissions by approximately 2,878 pounds of carbon dioxide annually, which is equivalent to the emissions reduction of not driving your car for 99 days.

## Results Detail

	Annual Total						Life Cycle Total				% Electricity Savings with ENERGY STAR	Total additional purchase price	Simple payback period for additional initial cost (years)	Assumed equipment lifetime (years)
	Quantity	Electricity cost savings (kWh)	Electricity cost	Electricity consumption (kWh)	Emissions reduction (pounds of CO <sub>2</sub> )	Electricity cost savings	Electricity savings (kWh)	Avoided cost for replacement bulbs & labor	Net cost savings					
CFL														
Bulb 1 (23 W CFL replacing 72 W)	16	\$206	\$1,431	\$97	672	2,203	\$814	6,272	\$242	\$1,043	68%	\$12.80	0.1	
Bulb 2 (30 W CFL replacing 72 W)	2	\$63	438	\$16	110	675	\$249	1,920	\$5	\$249	88%	\$5.60	0.1	
LED omnidirectional														
	0													
LED flood/spot reflector														
	0													
Total	18	\$269	1,869	\$112	781	2,878	\$1,063	8,192	\$247	\$1,291	71%	\$18	0.1	

### Notes:

Savings for ENERGY STAR lighting includes an avoided cost for replacements because efficient lighting typically lasts longer than conventional lighting.

More efficient lighting releases less heat into the surroundings, so upgrading to ENERGY STAR lighting may also have an impact on your heating and cooling costs.

Total additional purchase price is the incremental cost for ENERGY STAR equipment reduced by any rebate/incentive amount entered on Inputs tab.

Life cycle cost savings are given in terms of present value based on a real discount rate of 4%. See General Assumptions tab to adjust the discount rate.

Life cycle net cost savings = life cycle electricity cost savings + avoided replacement cost - additional purchase price

Simple payback calculation is based on total additional purchase price, annual electricity cost savings and annual bulb replacement costs

If every American home replaced their 5 most frequently used light fixtures or the bulbs in them with ones that have earned the ENERGY STAR, we would save approximately \$8 billion each year in energy costs, and together we would prevent the greenhouse gases equivalent to the emissions from 10 million cars.

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of light bulbs and the savings with ENERGY STAR. New ENERGY STAR qualified light bulbs are compared to the average available new conventional light bulbs. Actual savings may vary based on use and other factors. See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.



LEARN MORE AT  
[energystar.gov](http://energystar.gov)

# Savings Calculator for ENERGY STAR Qualified Light Bulbs

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of light bulbs and the savings with ENERGY STAR. New ENERGY STAR qualified compact fluorescent lighting is compared to the average available new conventional light bulbs. Actual savings may vary based on use and other factors.

See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.

## Where will your lighting be used?

Commercial or residential use

Location

Electric Rate (\$/kWh)

Residential	<input checked="" type="checkbox"/>
Rhode Island	<input type="checkbox"/>
Average Rhode Island residential electric rate is \$0.144/kWh. If you know your own rate, enter it below.	<input type="text" value="0.144"/>

**What light bulbs are you planning to purchase? Enter quantities below, then either fill in product information or use the defaults.**

Compact fluorescent (CFL)	Quantity	Comparable incandescent or Halogen bulb	ENERGY STAR bulb	Average daily use (hours)	Additional cost per unit for ENERGY STAR bulb	Rated lifetime of ENERGY STAR bulb (hours)	Labor cost per bulb replacement	Incentive or discount amount per bulb	Optional:
Bulb 1	26	100 W Incandescent	► 23 W CFL	5.0	\$2.80	8,000	► \$0.00	\$0.00	
Bulb 2	2	150 W Incandescent	► 30 W CFL	5.0	\$2.80	8,000	► \$0.00	\$0.00	

*Users can compare CFLs to incandescent bulbs or to a new type of halogen bulbs that have similar light output to incandescents but slightly lower wattage due to new Federal standards. For the halogen bulbs, incandescent equivalents are shown in parentheses. Learn more about the standards using the link below about EISA.*

## LED - omnidirectional

Bulb 1	0	►	►	►
Bulb 2	0	►	►	►

## LED - flood/spot reflector

Bulb 1	0	►	►	►
Bulb 2	0	►	►	►

**[Click here to go to the RESULTS tab and see your savings.](#)**

**See the ENERGY STAR website for more information:**

[ENERGY STAR Lighting Page](#)

[Bulb Purchasing Guide](#)

[The difference between an ENERGY STAR fixture and a standard fixture with a CFL](#)

[About the Energy Independence and Security Act of 2007 \(EISA\)](#)

[Frequently Asked Questions about lighting](#)

[List of incentive programs for consumers](#)

**To see detail on the formulas and values used in this calculator or to modify assumptions, click on the grey tabs at bottom of the page.**

# Savings Estimate for ENERGY STAR Qualified Light Bulbs

## Results Overview

The ENERGY STAR models of your selected light bulbs will save approximately 77%. Each year you will save approximately 4,092 kWh of electricity and \$589. Over the life of the light bulbs you will save approximately \$2,327 in electricity costs and \$71 in equipment replacement costs. By choosing ENERGY STAR you will reduce emissions by approximately 6,301 pounds of carbon dioxide annually, which is equivalent to the emissions reduction of not driving your car for 217 days.

## Results Detail

	Quantity	Annual Total			Life Cycle Total				% Electricity Savings with ENERGY STAR	Total additional purchase price	Simple payback period for additional initial cost (years)	Assumed equipment lifetime (years)
		Electricity cost savings	Electricity savings (kWh)	Electricity cost	Electricity consumption (kWh)	Emissions reduction (pounds of CO <sub>2</sub> )	Electricity cost savings	Avoided cost for replacement bulbs & labor				
CFL												
Bulb 1 (23W CFL replacing 100 W)	26	\$526	3,654	\$157	1,091	5,627	\$2,078	16,016	\$66	\$2,070	77%	\$72.80
Bulb 2 (30 W CFL replacing 100 W)	2	\$63	438	\$16	110	675	\$249	1,920	\$5	\$249	80%	\$5.60
LED omnidirectional	0											
LED flood/spot reflector	0											
Total	28	\$589	4,092	\$173	1,201	6,301	\$2,327	17,936	\$71	\$2,319	77%	\$78

### Notes:

Savings for ENERGY STAR lighting includes an avoided cost for replacements because efficient lighting typically lasts longer than conventional lighting.

More efficient lighting releases less heat into the surroundings, so upgrading to ENERGY STAR lighting may also have an impact on your heating and cooling costs.

Total additional purchase price is the incremental cost for ENERGY STAR equipment reduced by any rebate/incentive amount entered on Inputs tab.

Life cycle cost savings are given in terms of present value based on a real discount rate of 4%. See General Assumptions tab to adjust the discount rate.

Life cycle net cost savings = life cycle electricity cost savings + avoided replacement cost - additional purchase price

Simple payback calculation is based on total additional purchase price, annual electricity cost savings and annual bulb replacement costs

*If every American home replaced their 5 most frequently used light fixtures or the bulbs in them with ones that have earned the ENERGY STAR, we would save approximately \$8 billion each year in energy costs, and together we would prevent the greenhouse gases equivalent to the emissions from 10 million cars.*

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of light bulbs and the savings with ENERGY STAR. New ENERGY STAR qualified light bulbs are compared to the average available new conventional light bulbs. Actual savings may vary based on use and other factors. See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.



LEARN MORE AT  
[energystar.gov](http://energystar.gov)

Rossid.

# Savings Estimate for ENERGY STAR Qualified Office Equipment

## Results Overview

The ENERGY STAR models of your selected equipment will save approximately 38%. Each year you will save approximately 1,804 kWh of electricity and \$235, or \$1,286 over the life of the equipment. By choosing ENERGY STAR you will reduce emissions by approximately 2,779 pounds of carbon dioxide annually. This is equivalent to the emissions reduction of not driving your car for 90 days.

## Results Detail

	Annual						Life Cycle						
	Quantity	Electricity cost savings	Electricity savings (kWh)	Electricity cost	Electricity consumption by ENERGY STAR unit(s) (kWh)	Emissions reduction (pounds of CO2)	% Savings with ENERGY STAR	Total additional purchase price for ENERGY STAR units(s)	Simple payback period for additional initial cost (years)	Assumed equipment lifetime (years)	Electricity cost savings	Electricity savings (kWh)	Net cost savings
Desktop Computer	3	\$30	230	\$63	486	354	32%	\$0	immediate	4	\$120	920	\$120
Laptop Computer	10	\$31	236	\$67	515	364	31%	\$0	immediate	4	\$123	946	\$123
Computer Monitor	0												
Scanner	0												
Copier													
- Laser - Monochrome	0												
- Laser - Color	0												
FAX Machine													
- Ink Jet	0												
- Laser	0												
Multifunction Device													
- Ink Jet	0												
- Laser - Monochrome	0												
- Laser - Color	6	\$174	1,338	\$256	1,968	2,061	40%	\$0	immediate	6	\$1,044	8,028	\$1,044
Printer													
- Ink Jet	0												
- Laser - Monochrome	0												
- Laser - Color	0												
Total	19	\$235	1,804	\$386	2,969	2,779	38%	\$0	immediate	-	\$1,286	9,893	\$1,286

Notes: Life cycle cost savings are given in terms of present value based on a real discount rate of 4%. See General Assumptions tab to adjust the discount rate.  
Net life cycle cost savings = life cycle cost savings - additional purchase price

If every home replaced all of their office equipment with ENERGY STAR qualified equipment, it would remove approximately 15 billion pounds of CO<sub>2</sub> from the atmosphere every year, which is equivalent to the emissions of 1.4 million cars or planting 1.5 million acres of trees.

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of office equipment and the savings with ENERGY STAR. New ENERGY STAR qualified products are compared to the average available non-qualified new products. Actual savings may vary based on use and other factors. See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.



## Calculations of Energy Savings for Energy Star Incentives(1)

<u>Appliance</u>	<u>Specifications</u>	<u>Monthly hours Operation</u>	<u>Monthly kwhr use</u>	<u>Annual kwhr use</u>	<u>Units w/ Incentives</u>	<u>Total annual</u>
Air Conditioner	6000 BTU 500 watts	165	83	990	Standard EnergyStar	30
Clothes Washer	Large Capacity	23	12	144	Standard EnergyStar	35
Dishwasher	13,000 Watts	24	31	372	Standard EnergyStar	39
Refrigerator	6-15 years old 17CF, frost free	245	147	1764	Standard EnergyStar	73
Freezer	Upright 6-10 year 11 -15.9 upright	300	79.45	953.4	Standard EnergyStar	4
Dehumidifier	Large capacity 650 Watts	340	221	2652	Standard EnergyStar	6
<b>Total Average kwhrs Savings</b>						<b>187    49,548</b>

(1) From [www.pud-ri.org](http://www.pud-ri.org) "Energy Calculator"

2013 Appliance savings

## Calculations of Energy Savings for Energy Star Incentives(1)

<u>Appliance</u>	<u>Specifications</u>	<u>Monthly hours Operation</u>	<u>Monthly kwhr use</u>	<u>Annual kwhr use</u>	<u>Units w/ Incentives</u>	<u>Total annual</u>
Air Conditioner	6000 BTU 500 watts	165	83 74	990 892	Standard EnergyStar 0	0
Clothes Washer	Large Capacity	23	12 11	144 132	Standard EnergyStar 1	12
Dishwasher	13,000 Watts	24	31 25	372 300	Standard EnergyStar 4	288
Refrigerator	6-15 years old 17CF, frost free	245	147 103	1764 1236	Standard EnergyStar 4	2112
Freezer	Upright 6-10 year 11 - 15.9 upright	300	79.45 61.2	953.4 734.4	Standard EnergyStar 0	0
Dehumidifier	Large capacity 650 Watts	340	221 166	2652 1992	Standard EnergyStar 0	0
<b>Total Average kwhrs Savings</b>						<b>2,412</b>

(1) From [www.pud-ri.org](http://www.pud-ri.org) "Energy Calculator"

2012 Appliance savings  
Committed from 2012 program

# Savings Estimate for ENERGY STAR Qualified Office Equipment

## Results Overview

The ENERGY STAR models of your selected equipment will save approximately 34%. Each year you will save approximately 624 kWh of electricity and \$81, or \$367 over the life of the equipment. By choosing ENERGY STAR you will reduce emissions by approximately 961 pounds of carbon dioxide annually. This is equivalent to the emissions reduction of not driving your car for 31 days.

## Results Detail

	Annual						Life Cycle						
	Quantity	Electricity cost savings	Electricity savings (kWh)	Electricity cost	Electricity consumption by ENERGY STAR unit(s) (kWh)	Emissions reduction (pounds of CO <sub>2</sub> )	% Savings with ENERGY STAR	Total additional purchase price for ENERGY STAR units(s)	Simple payback period for additional initial cost (years)	Assumed equipment lifetime (years)	Electricity cost savings	Electricity savings (kWh)	Net cost savings
Desktop Computer	1	\$17	133	\$36	275	205	33%	\$0	immediate	4	\$69	533	\$69
Laptop Computer	4	\$21	161	\$44	341	249	32%	\$0	immediate	4	\$84	646	\$84
Computer Monitor	0												
Scanner	0												
Copier													
- Laser - Monochrome	0												
- Laser - Color	0												
FAX Machine													
- Ink Jet	0												
- Laser	0												
Multifunction Device													
- Ink Jet	0												
- Laser - Monochrome	0												
- Laser - Color	0												
Printer													
- Ink Jet	0												
- Laser - Monochrome	0												
- Laser - Color	2	\$43	330	\$75	574	507	36%	\$0	immediate	5	\$214	1,648	\$214
Total	7	\$81	624	\$155	1,189	961	34%	\$0	immediate	-	\$367	2,826	\$367

Notes: Life cycle cost savings are given in terms of present value based on a real discount rate of 4%. See General Assumptions tab to adjust the discount rate.  
 Net life cycle cost savings = life cycle cost savings - additional purchase price

If every business replaced all of their office equipment with ENERGY STAR qualified equipment, it would remove approximately 29 billion pounds of CO<sub>2</sub> from the atmosphere every year, which is equivalent to the emissions of 2.6 million cars or planting 2.8 million acres of trees.

This calculator was developed by U.S. EPA and DOE to estimate the energy consumption and operating costs of office equipment and the savings with ENERGY STAR. New ENERGY STAR qualified products are compared to the average available non-qualified new products. Actual savings may vary based on use and other factors. See [www.energystar.gov](http://www.energystar.gov) for information on other ENERGY STAR products.



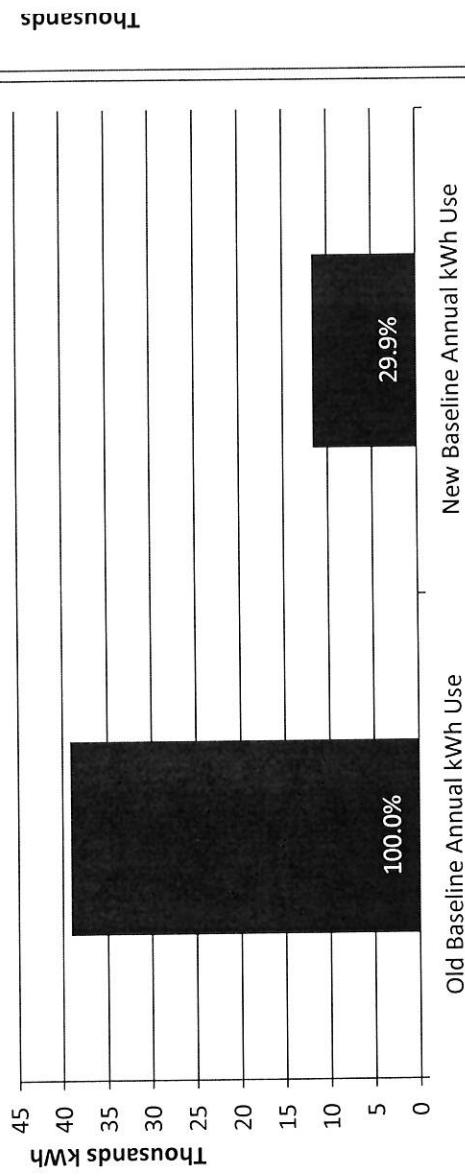
10 - LEDs

35 - 25W LED + 35-50weds

### Pre-Finance Results Summary

# of Fixtures Installed	70
Implementation Period (years)	1
Analysis Period	15
Simple Payback (years)	5.1
15-Year Unlevered IRR	22.81%
15-Year Unlevered NPV (\$)	\$ 53,200
15-Year Capital Expenditure (\$)	\$ 27,714
15-Year Cap. Ex. \$/kWh Saved	\$ 0.0674
15-Year Cap. Ex. \$/ton CO2e Saved	\$ 122.1039
Annual kWh Savings	<b>27,432</b>
Annual Energy Cost Savings (\$)	<b>\$ 2,515</b>
Annual GHG Savings (tCO <sub>2</sub> e)	15
Old Baseline Annual kWh Use	39,127
Old Baseline Annual Energy Cost (\$)	\$ 3,587
Old Baseline Annual GHGs (tCO <sub>2</sub> e)	22
New Baseline Annual kWh Use	11,696
New Baseline Annual Energy Cost (\$)	\$ 1,072
New Baseline Annual GHGs (tCO <sub>2</sub> e)	6
First-Year Avg. Capital Expend. per Unit (\$)	\$ 396
First-Year Avg. Material Cost per Unit (\$)	\$ 255
First-Year Avg. Labor Cost per Unit (\$)	\$ 98
First-Year Avg. Vehicle Cost per Unit (\$)	\$ 40
First-Year Avg. Disposal Cost per Unit (\$)	\$ -
First-Year Avg. Overhead Cost per Unit (\$)	\$ 4

## Energy Impacts



# 35 - LED's Awareness

## Results Summary

### Pre-Finance Results Summary

# of Fixtures Installed	35
Implementation Period (years)	1

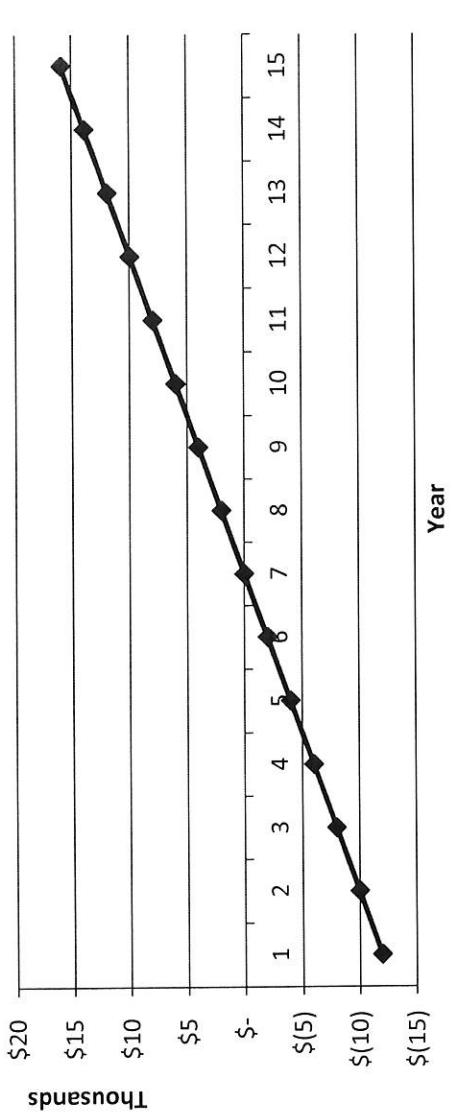
Analysis Period	15
-----------------	----

Simple Payback (years)	7.0
15-Year Unlevered IRR	13.97%
15-Year Unlevered NPV (\$)	\$ 15,937
15-Year Capital Expenditure (\$)	\$ 13,982
15-Year Cap. Ex. \$/kWh Saved	\$ 0.1540
15-Year Cap. Ex. \$/ton CO <sub>2</sub> e Saved	\$ 279.2141

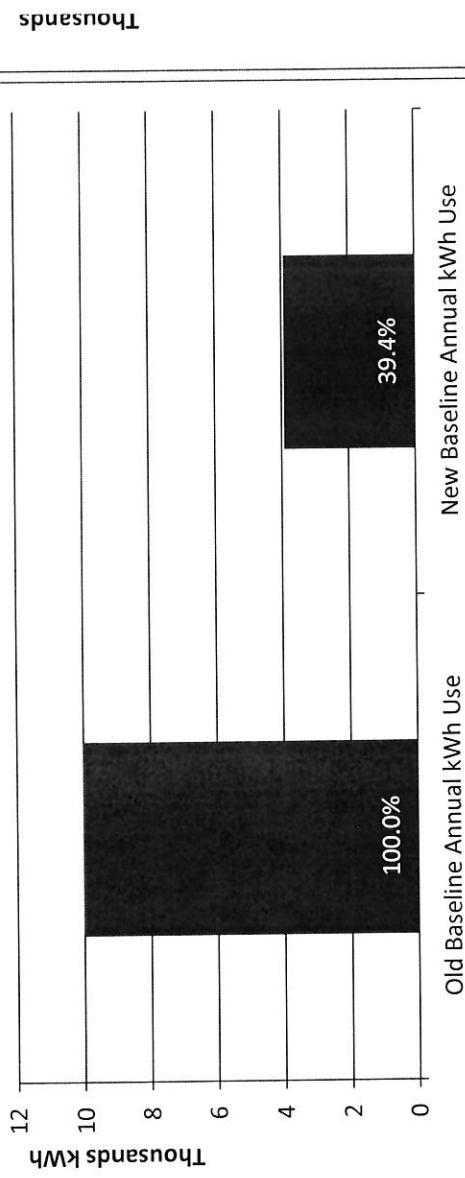
Annual kWh Savings	6,052
Annual Energy Cost Savings (\$)	\$ 555
Annual GHG Savings (tCO <sub>2</sub> e)	3
Old Baseline Annual kWh Use	9,986
Old Baseline Annual Energy Cost (\$)	\$ 915
Old Baseline Annual GHGs (tCO <sub>2</sub> e)	6
New Baseline Annual kWh Use	3,934
New Baseline Annual Energy Cost (\$)	\$ 361
New Baseline Annual GHGs (tCO <sub>2</sub> e)	2

First-Year Avg. Capital Expend. per Unit (\$)	\$ 399
First-Year Avg. Material Cost per Unit (\$)	\$ 255
First-Year Avg. Labor Cost per Unit (\$)	\$ 98
First-Year Avg. Vehicle Cost per Unit (\$)	\$ 40
First-Year Avg. Disposal Cost per Unit (\$)	\$ -
First-Year Avg. Overhead Cost per Unit (\$)	\$ 7

## Simple Cumulative Cashflow



## Energy Impacts

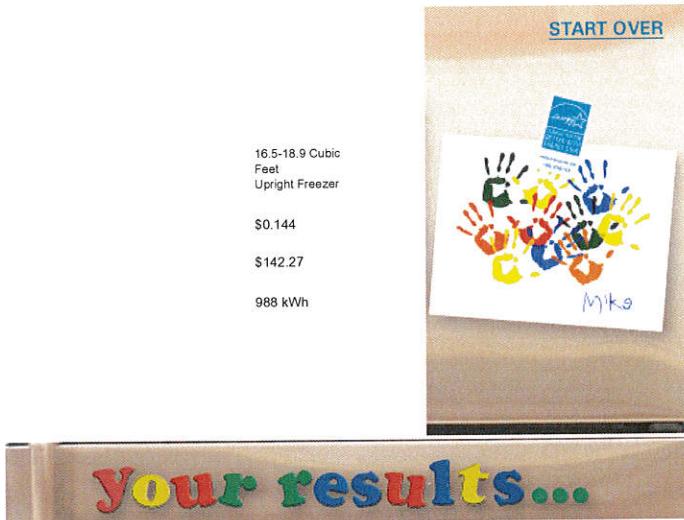


	A	B	C	D	E
1			Refrigerator Buy Back Savings per year		
2		Kwh Saved	\$ Saved		
3	1	924	\$ 133.06		
4	2	1062	\$ 152.93		
5	3	1025	\$ 147.60		
6	4	988	\$ 142.27		
7	5	505	\$ 60.64		
8	6	571	\$ 68.57		
9	7	1696	\$ 203.50		
10	8	694	\$ 83.33		
11	9	1133	\$ 125.78		
12	10	1285	\$ 154.20		
13	11	414	\$ 49.62		
14	12	675	\$ 81.01		
15	13	1507	\$ 180.85		
16	14	513	\$ 61.55		
17		12992	\$ 1,644.91		



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### Refrigerator Retirement Savings Calculator



## Your results...

You can save more than \$250 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$142 per year to run



\$92 per year to run

An ENERGY STAR qualified model costs...

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

If you have trouble using this tool, please contact [appliances@energystar.gov](mailto:appliances@energystar.gov)

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[Home Assessment Tools](#)

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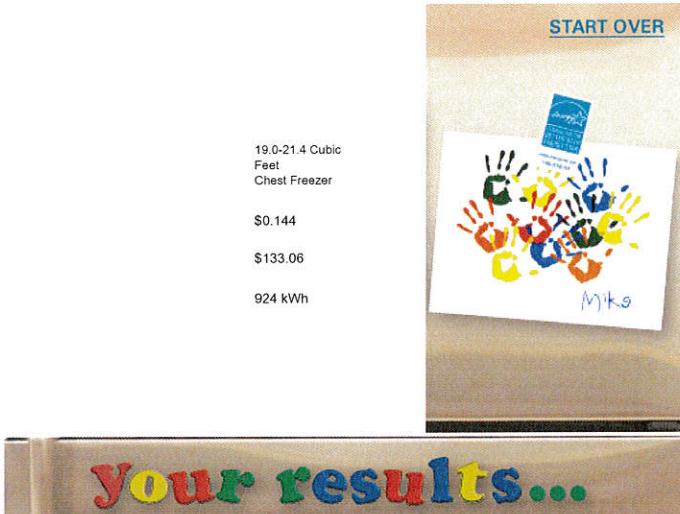
[Energy Strategies for](#)

[ENERGY STAR Home  
Recursos en Español](#)



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### Refrigerator Retirement Savings Calculator



## Your results...

You can save more than \$345 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$133 per year to run



\$64 per year to run

An ENERGY STAR qualified model costs...

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

If you have trouble using this tool, please contact [appliances@energystar.gov](mailto:appliances@energystar.gov)

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### Refrigerator Retirement Savings Calculator

Below 16.5 Cubic  
Feet  
Top Freezer

\$0.144

\$152.93

1,062 kWh

[START OVER](#)



## your results...

You can save more than \$515 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model  
costs...



\$153  
per year  
to run



An ENERGY STAR qualified  
model costs...

\$50  
per year  
to run

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.



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### Refrigerator Retirement Savings Calculator

Below 16.5 Cubic Feet Chest Freezer

\$0.144

\$147.60

1,025 kWh

[START OVER](#)



**your results...**

You can save more than \$490 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$148 per year to run



\$50 per year to run

An ENERGY STAR qualified model costs...

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

If you have trouble using this tool, please contact [appliances@energystar.gov](mailto:appliances@energystar.gov)

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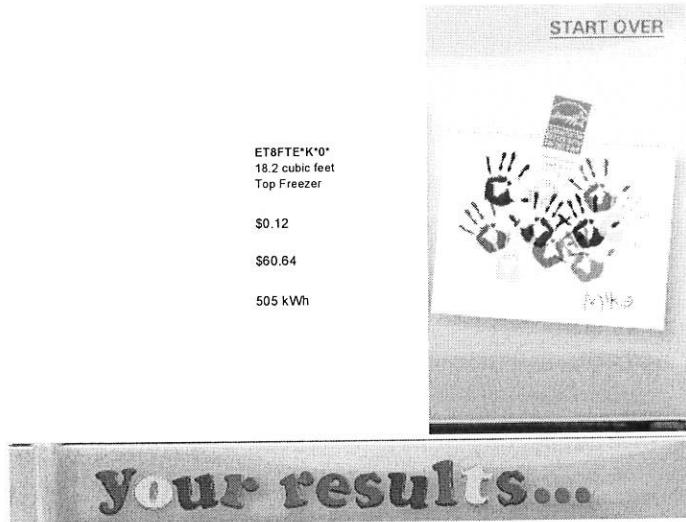
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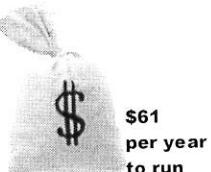
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### Refrigerator Retirement Savings Calculator



**Say goodbye to your old refrigerator or freezer and you can save \$305 over 5 years.**

**Your model  
costs...**



**\$61  
per year  
to run**

**Go Compact! If you need a second refrigerator or freezer, pick an ENERGY STAR qualified model and save.**

[Find Out How](#)

**Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.**

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

If you have trouble using this tool, please contact [appliances@energystar.gov](mailto:appliances@energystar.gov)

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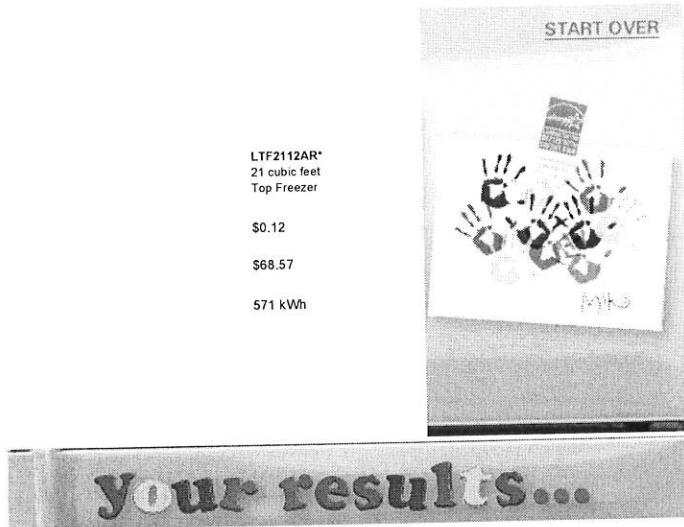
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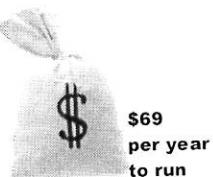
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### Refrigerator Retirement Savings Calculator



**Say goodbye to your old refrigerator or freezer and  
you can save \$345 over 5 years.**

**Your model  
costs...**



**Go Compact! If you need a second refrigerator or freezer, pick  
an ENERGY STAR qualified model and save.**

[Find Out How](#)

**Note: If your refrigerator or freezer is a newer, ENERGY STAR  
qualified model your results may not display significant  
savings.**

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

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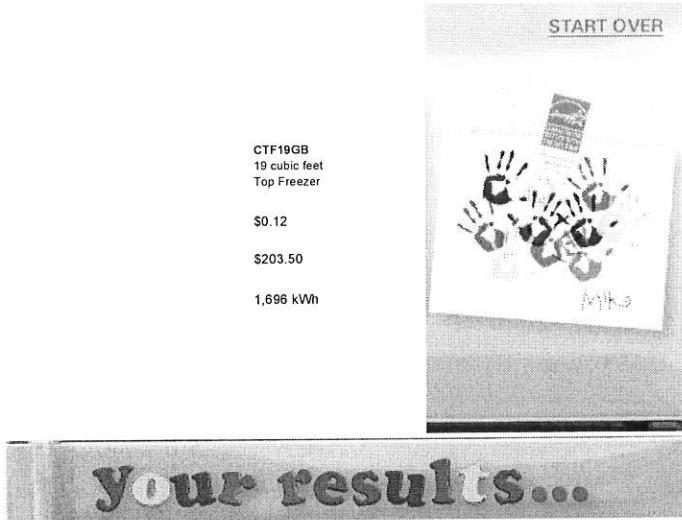
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## Refrigerator Retirement Savings Calculator



**Say goodbye to your old refrigerator or freezer and  
you can save \$1,020 over 5 years.**

Your model  
costs...



\$204  
per year  
to run

**Go Compact!** If you need a second refrigerator or freezer, pick  
an ENERGY STAR qualified model and save.

[Find Out How](#)

**Note:** If your refrigerator or freezer is a newer, ENERGY STAR  
qualified model your results may not display significant  
savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

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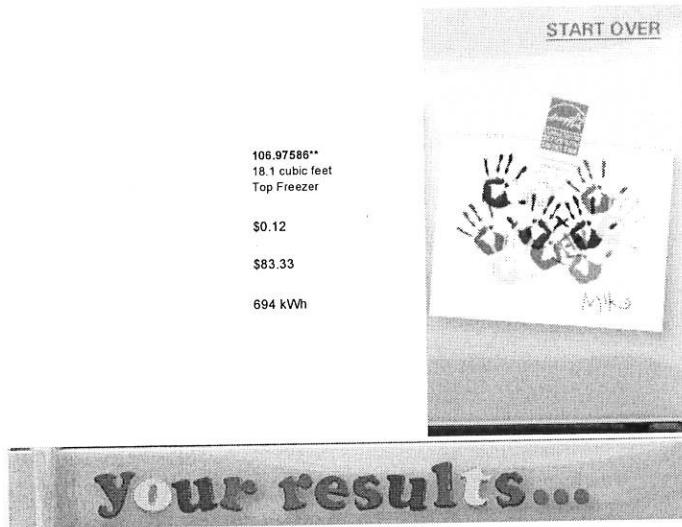
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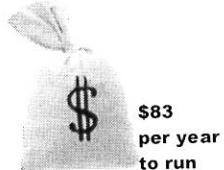
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## Refrigerator Retirement Savings Calculator



**Say goodbye to your old refrigerator or freezer and you can save \$415 over 5 years.**

Your model  
costs...



\$83  
per year  
to run

**Go Compact!** If you need a second refrigerator or freezer, pick an ENERGY STAR qualified model and save.

[Find Out How](#)

**Note:** If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

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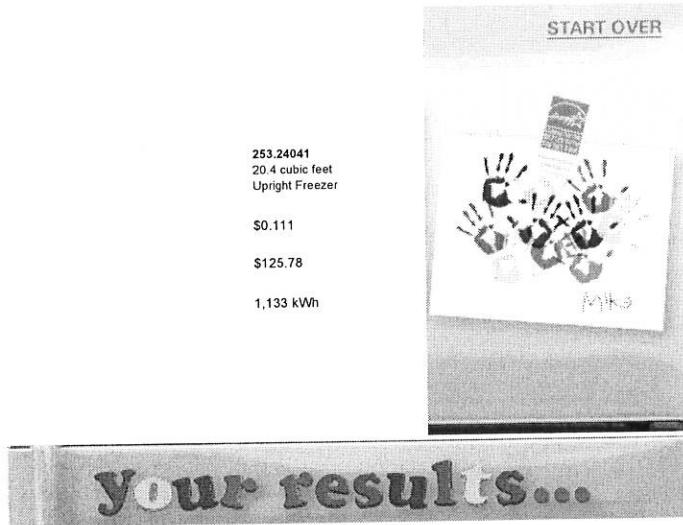
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### Refrigerator Retirement Savings Calculator



You can save more than \$290 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$126 per year to run



\$68 per year to run

An ENERGY STAR qualified model costs...

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

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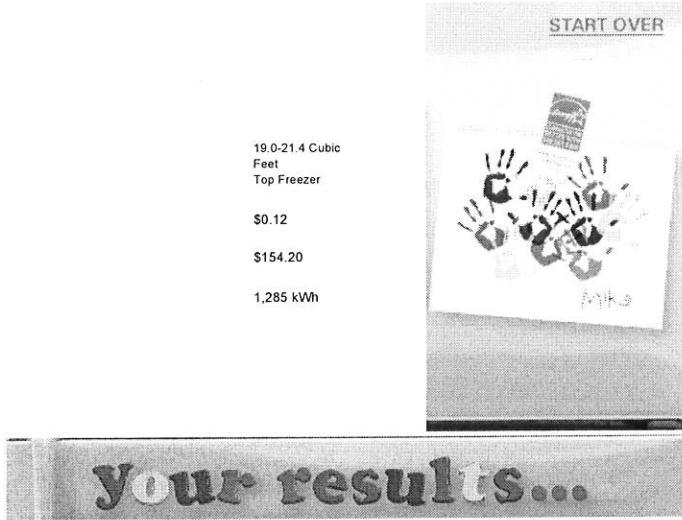
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### Refrigerator Retirement Savings Calculator



You can save more than \$525 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$154 per year to run



\$49 per year to run

An ENERGY STAR qualified model costs...

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

This Refrigerator Retirement Calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model. Actual savings may vary based on use, upkeep, and other factors. Assumptions are based on a combination of historical data (adjusted for degradation based on the age of the refrigerator/freezers) and calculations cited in the ENERGY STAR specifications.

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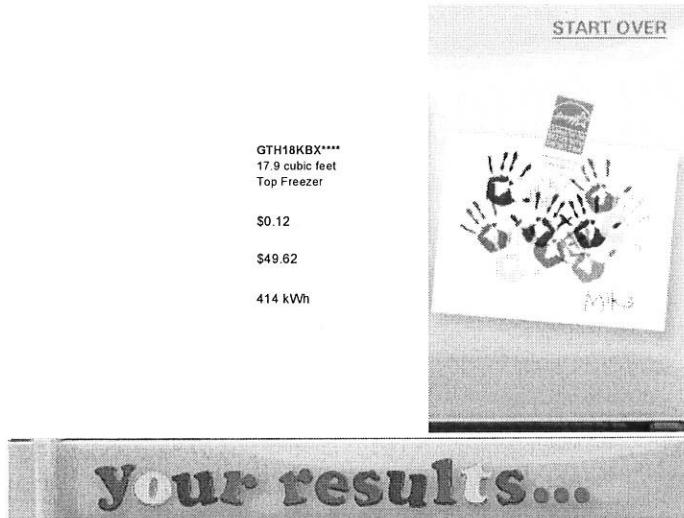
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## Refrigerator Retirement Savings Calculator



You can save more than \$20 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$50  
per year  
to run



\$46  
per year  
to run

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

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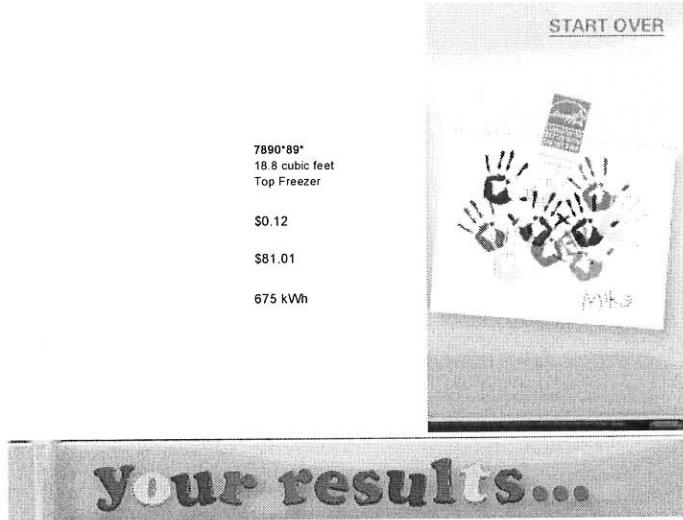
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## Refrigerator Retirement Savings Calculator



You can save more than \$125 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$81 per year to run

An ENERGY STAR qualified model costs...



\$56 per year to run

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

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### Refrigerator Retirement Savings Calculator

TFX20PLP  
19.7 cubic feet  
Side-by-Side

\$0.12

\$180.85

1,507 kWh

[START OVER](#)



## your results...

You can save more than \$605 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...



\$181  
per year  
to run



\$60  
per year  
to run

An ENERGY STAR qualified model costs...

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.



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## Refrigerator Retirement Savings Calculator

TFU09M4EW0  
8.7 cubic feet  
Upright Freezer

\$0.12

\$61.55

513 kWh

[START OVER](#)



## your results...

You can save more than \$130 over five years by replacing your old refrigerator or freezer with a new ENERGY STAR qualified model!

Your model costs...

An ENERGY STAR qualified model costs...



\$62  
per year  
to run



\$36  
per year  
to run

[Find Out How](#)

Note: If your refrigerator or freezer is a newer, ENERGY STAR qualified model your results may not display significant savings.

Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.  
[www.energystar.gov](http://www.energystar.gov)



CHANGE FOR THE  
BETTER WITH  
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### Life Cycle Cost Estimate for an ENERGY STAR Qualified Oil Residential Furnace

This energy savings calculator was developed by the U.S. EPA and U.S. DOE and is provided for estimating purposes only. Actual energy savings may vary based on use and other factors.

NOTE: This calculator is in the process of being updated for the revised ENERGY STAR furnace specification that went into effect on February 1, 2012. For more information on the new specification, visit

[http://www.energystar.gov/index.cfm?c=furnaces.pr\\_crit\\_furnaces](http://www.energystar.gov/index.cfm?c=furnaces.pr_crit_furnaces)

Enter your own values in the gray boxes or use our default values.

What fuel do you use to heat your home?	Oil
Oil Rate (\$/gal)	\$3.76
What Census region do you live in?	BRIDGEPORT, CT
How large is your home? (in square feet)	2,500
When was your home built?	1980-1989
When was your existing furnace installed?	New Unit
Include only heated space	
Select 'New Unit' to compare new furnace options	
<b>New ENERGY STAR Qualified Unit</b>	
Uninstalled Cost per Unit (estimated retail price)	\$2,300
Annual Fuel Utilization Efficiency (AFUE)	85%
Use with programmable Thermostat (Yes/No)	No
<b>New Conventional Unit</b>	
Uninstalled Cost per Unit (estimated retail price)	\$1,700
Annual Fuel Utilization Efficiency (AFUE)	80%
Use with programmable Thermostat (Yes/No)	No
<a href="#">Thermostat Usage Guidelines</a>	

#### Annual and Life Cycle Costs and Savings for a Oil Furnace

	ENERGY STAR Qualified Unit	Conventional Unit	Savings with ENERGY STAR
<b>Annual Operating Costs*</b>			
Energy cost	\$2,169	\$2,304	\$136
<i>Energy Consumption (MMBTU)</i>	80	85	5
<i>Energy Consumption (Gallons)</i>	577	613	36
Maintenance cost	\$0	\$0	\$0
<b>Total</b>	<b>\$2,169</b>	<b>\$2,304</b>	<b>\$136</b>
<b>Life Cycle Costs*</b>			
Operating costs (energy and maintenance)	\$26,385	\$28,034	\$1,649
Energy costs	\$26,385	\$28,034	\$1,649
<i>Energy Consumption (MMBTU)</i>	1,360	1,445	85
<i>Energy Consumption (Gallons)</i>	9,806	10,419	613
Maintenance costs	\$0	\$0	\$0
Purchase price	\$2,300	\$1,700	-\$600
<b>Total</b>	<b>\$28,685</b>	<b>\$29,734</b>	<b>\$1,049</b>
Simple payback of initial additional cost (years) <sup>†</sup>			<b>4.4</b>

\* Annual costs exclude the initial purchase price. All costs, except initial cost, are discounted over the products' lifetime using a real discount rate of 4%. See "Assumptions" to change factors including the discount rate.

† A simple payback period of zero years means that the payback is immediate.

#### Summary of Benefits for a Oil Furnace

Initial cost difference	\$600
Life cycle savings	\$1,649
Net life cycle savings (life cycle savings - additional cost)	\$1,049
Simple payback of additional cost (years)	4.4
Life cycle energy saved (MMBtu)	85
Life cycle air pollution reduction (lbs of CO <sub>2</sub> )	13,708
Air pollution reduction equivalence (number of cars removed from the road for a year)	1
Savings as a percent of retail price	46%

## ENERGY STAR CITY SAVINGS ESTIMATES

### ANNUAL SAVINGS

CITY	ENERGY STAR REPLACES		TAX CREDIT WINDOW REPLACES	
	SINGLE	DOUBLE	SINGLE	DOUBLE
AK Anchorage	\$283	\$122	Same	Same
AK Fairbanks	\$388	\$181	Same	Same
AL Birmingham	\$175	\$81	\$204	\$110
AL Mobile	\$195	\$114	\$223	\$142
AR Little Rock	\$195	\$85	\$227	\$118
AZ Flagstaff	\$343	\$111	Same	Same
AZ Phoenix	\$346	\$227	\$369	\$250
AZ Prescott	\$268	\$105	\$276	\$113
AZ Tucson	\$266	\$154	\$312	\$199
CA Arcata	\$163	\$49	\$143	\$29
CA Bakersfield	\$288	\$171	\$316	\$200
CA Daggett	\$359	\$213	\$389	\$243
CA Fresno	\$296	\$167	\$330	\$201
CA Los Angeles	\$77	\$36	\$91	\$50
CA Sacramento	\$228	\$119	\$260	\$152
CA San Diego	\$79	\$46	\$86	\$53
CA San Francisco	\$124	\$37	\$109	\$22
CO Denver	\$266	\$115	Same	Same
CO Grand Junction	\$262	\$123	Same	Same
CT Hartford	\$531	\$238	Same	Same
DC Washington	\$278	\$117	\$300	\$139
DE Wilmington	\$216	\$130	\$341	\$155
FL Daytona Beach	\$274	\$216	\$245	\$188
FL Jacksonville	\$270	\$195	\$263	\$188
FL Miami	\$366	\$306	\$303	\$244
FL Tallahassee	\$318	\$251	\$282	\$215
FL Tampa	\$318	\$251	\$282	\$215
GA Atlanta	\$176	\$71	\$209	\$104
GA Savannah	\$197	\$110	\$231	\$145
IA Des Moines	\$378	\$161	Same	Same
ID Boise	\$261	\$108	Same	Same
IL Chicago	\$352	\$155	Same	Same
IL Springfield	\$349	\$158	Same	Same
IN Indianapolis	\$332	\$142	Same	Same
KS Wichita	\$298	\$119	\$316	\$137
KY Lexington	\$222	\$91	\$241	\$109
KY Louisville	\$205	\$86	\$225	\$106
LA New Orleans	\$233	\$148	\$251	\$166
LA Shreveport	\$186	\$97	\$209	\$121
MA Boston	\$493	\$198	Same	Same
MD Baltimore	\$261	\$106	\$280	\$124
ME Portland	\$502	\$194	Same	Same
MI Detroit	\$370	\$156	Same	Same
MI Grand Rapids	\$395	\$171	Same	Same
MI Houghton	\$440	\$182	Same	Same
MN Duluth	\$506	\$195	Same	Same
MN Intl Falls	\$507	\$205	Same	Same
MN Minneapolis	\$419	\$175	Same	Same

### ANNUAL SAVINGS

CITY	ENERGY STAR REPLACES		TAX CREDIT WINDOW REPLACES	
	SINGLE	DOUBLE	SINGLE	DOUBLE
MO Kansas City	\$303	\$120	\$321	\$139
MO St Louis	\$305	\$121	\$323	\$139
MS Jackson	\$179	\$92	\$202	\$115
MT Billings	\$362	\$147	Same	Same
MT Great Falls	\$382	\$154	Same	Same
NC Charlotte	\$169	\$65	\$206	\$102
NC Raleigh	\$204	\$88	\$227	\$111
ND Bismarck	\$396	\$162	Same	Same
NE Omaha	\$310	\$132	Same	Same
NH Concord	\$501	\$221	Same	Same
NJ Atlantic City	\$336	\$134	\$355	\$152
NM Albuquerque	\$222	\$89	\$235	\$101
NV Las Vegas	\$299	\$157	\$336	\$195
NV Reno	\$315	\$141	Same	Same
NY Albany	\$504	\$225	Same	Same
NY Buffalo	\$518	\$225	Same	Same
NY New York	\$335	\$134	\$357	\$156
OH Cleveland	\$395	\$169	Same	Same
OH Dayton	\$379	\$161	Same	Same
OK Oklahoma City	\$200	\$71	\$238	\$109
OR Medford	\$240	\$120	Same	Same
OR Portland	\$215	\$93	Same	Same
PA Philadelphia	\$355	\$139	\$374	\$158
PA Pittsburgh	\$430	\$188	Same	Same
PA Williamsport	\$417	\$181	Same	Same
RI Providence	\$453	\$179	Same	Same
SC Charleston	\$165	\$78	\$191	\$104
SC Greenville	\$170	\$64	\$208	\$102
SD Pierre	\$368	\$152	Same	Same
TN Memphis	\$169	\$73	\$199	\$103
TN Nashville	\$216	\$95	\$240	\$119
TX Amarillo	\$324	\$134	\$349	\$159
TX El Paso	\$255	\$143	\$283	\$171
TX Fort Worth	\$261	\$145	\$287	\$171
TX Houston	\$328	\$230	\$327	\$229
TX Lubbock	\$251	\$106	\$291	\$146
TX San Antonio	\$348	\$238	\$353	\$244
UT Cedar City	\$237	\$100	Same	Same
UT Salt Lake	\$260	\$118	Same	Same
VA Richmond	\$200	\$84	\$216	\$100
VT Burlington	\$493	\$208	Same	Same
WA Seattle	\$196	\$81	Same	Same
WA Spokane	\$287	\$119	Same	Same
WI Madison	\$410	\$174	Same	Same
WV Charleston	\$191	\$81	\$205	\$96
WY Cheyenne	\$334	\$117	Same	Same

Source: ENERGY STAR (2009).

Note: For Savings Methodology, visit [www.energystar.gov/windows\\_methodology](http://www.energystar.gov/windows_methodology)