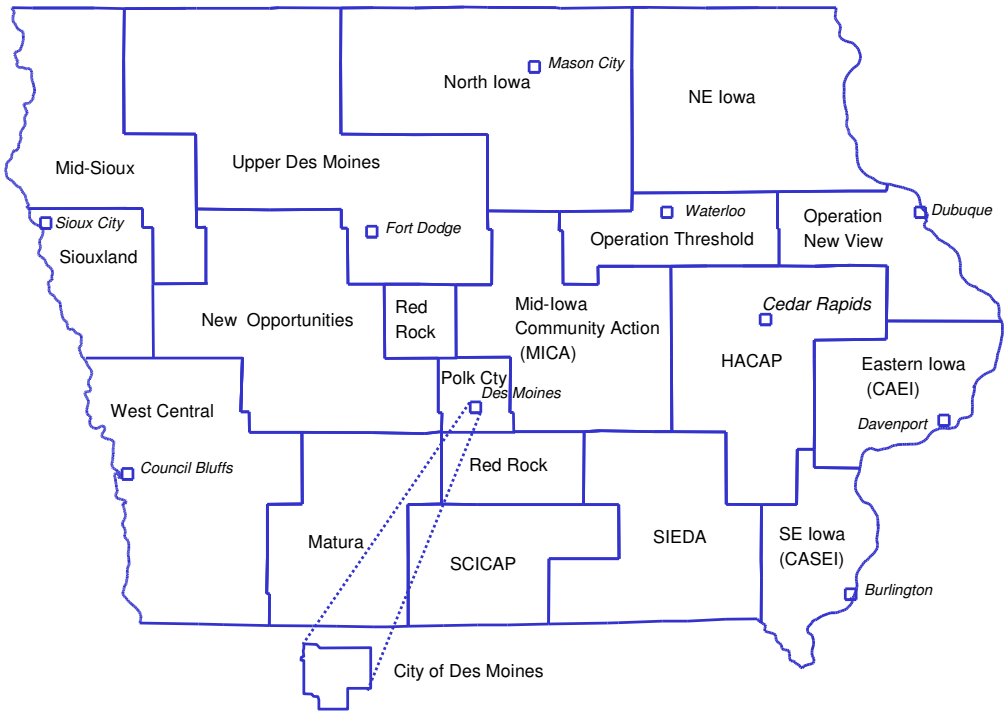
REPORT ON THE IMPACTS AND COSTS OF THE IOWA LOW-INCOME WEATHERIZATION PROGRAM -- Calendar Year 2012

February 12, 2014

Iowa Local Weatherization Agencies



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Prepared for the

Iowa Statewide Low-Income Collaborative

by

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TABLE OF CONTENTS

EXECUTIVE SUMMARY ii

Program Costs and Impacts i

Utility Expenditures and Impacts ii

Fuel Consumption Analysis Results iii

Changes in Program Delivery and Reporting iv

1. SUMMARY OF PROGRAM IMPACTS AND EXPENDITURES 1.1

Aggregate Program Expenditures and Impacts 1.1

Energy Savings by End-Use and Fuel Type 1.4

Client Bill Savings 1.6

Client Savings by Fuel Type and End-Use 1.7

Utility Funding Impacts 1.8

Average Expenditures and Impacts 1.11

Expenditures and Savings by Agency 1.12

Savings of Water Heater, Lighting, and Refrigeration Measures 1.20

Trends in the Installation Rates of Lighting, Refrigeration, and Heating System Replacements 1.20

Average Costs of Major Measures by Agency 1.24

2. FUEL CONSUMPTION ANALYSIS 2.1

Study Sample and Methodology 2.1

Model Selection 2.2

Attrition Analysis – Gas 2.3

Screens for Poor Model Diagnostics 2.4

Screens for Poor Model Reliability 2.4

Attrition Rates 2.4

Outliers 2.6

Gas Impact analysis 2.6

Savings With Respect to Pre-weatherization Usage 2.9

Trends in Baseline Consumption and Energy Savings 2.12

Attrition Analysis – Electricity 2.13

Outliers 2.14

Electricity Impact analysis 2.14

3. DETAILED SPENDING AND IMPACT PROFILES BY FUNDING ENTITY 3.1

4. DETAILED SPENDING AND IMPACT PROFILES BY AGENCY 4.1

5. DETAILED SPENDING AND IMPACT PROFILES BY AGENCY FOR UTILITY EXPENDITURES 5.1

Appendix A -- Client Characteristics A.1

EXECUTIVE SUMMARY

This report summarizes the state and utility low-income weatherization program activity for low-income dwellings weatherized to completion in Iowa during calendar year 2012 through the Iowa Weatherization Assistance Program. The report includes state, utility, and agency summaries of spending and impacts by measure, end-use, and fuel type. The base data consists of statewide program tracking databases of spending and measure installations maintained by the Iowa Division of Community Action Agencies. Fuel consumption histories were provided by the three co-funding utilities, including by Black Hills Energy, Interstate Power and Light Company, and MidAmerican Energy.

We estimated energy and coincident demand impacts for the program participants by using algorithms developed as part of the study of the calendar year 2007 program[1]. The estimated impacts were adjusted using billing analysis of the program clients.

PROGRAM COSTS AND IMPACTS

The WAP program installed measures in 2,971 dwellings during calendar year (CY) 2012. Program spending totaled $26,445,639 for materials, labor, and support in houses weatherized to completion during calendar year (CY) 2012, decreasing by 37% from $41,977,443 in 2011. The decrease in spending was primarily due to reductions in Federal and State funding, from $33.7 million in 2011 to $21.5 million in 2012. Federal and state funding accounted for 81% of all funding.

The average household expenditures for all dwellings weatherized in 2012 decreased by 3.9% to $8,901 from $9,258 in 2011. The major measures installed by the program in 2012 are essentially unchanged from the 2011 program.

First-year savings included 604,742 therms; 1,780,187 kWh electricity; 117,142 gallons of propane; and 4,211 gallons of fuel oil. First-year peak demand savings totaled 6,402 therms, 602 kW summer demand, and 287 kW winter demand.

On average, the program saved 609 kWh of electricity for 2,924 dwellings with electricity impacts. The program saved an average of 250 therms of natural gas for 2,420 dwellings with gas impacts. In addition,

[1] Dalhoff Associates, LLC. Report on the Impacts and Costs of the Iowa Low-Income Weatherization Program – Calendar Year 2007, October 15, 2008.

the program delivered first-year savings of 293 gallons of propane in 400 dwellings with propane impacts, and 175 gallons of fuel oil in 24 dwellings with fuel oil impacts.

First-year client energy cost savings totaled $837,177, averaging $282 for dwellings weatherized in the CY 2012 program.

UTILITY EXPENDITURES AND IMPACTS

Utility funding totaled $4,900,017, or 18% of total program expenditures. Utility expenditures averaged $3,683 for the 1,343 dwellings that received utility-funded measures. Funding decreased by 40% from $8,193,607 spent in 2011.

Utility-funded measures accounted for 35% of all energy savings for electricity and 37% of gas savings. Utility-funded measures saved a total of 624,772 kWh, averaging of 552 kWh of electricity for the 1,131 dwellings with utility-funded electricity measures. These measures saved a total of 223,157 therms, averaging 208 therms of natural gas for the 1,075 dwellings with utility-funded natural gas measures. Utility-funded measures installed reduced peak electricity demand by 210 kW in the summer and 94 kW in the winter, and provided 2,346 peak-day therms of gas savings.

Utility-funded measures yielded first-year client bill savings of $236,708, averaging $176 per dwelling that received utility-funded measures. Savings averaged $55 per household for utility-funded electricity measures, and $163 for those with gas measures.

Overall Program Impacts

	Electricity (kWh and kW)			Natural Gas (therms)			Propane (gals)	Fuel Oil (gals)
	Overall	DCAA/ARRA	Utility	Overall	DCAA/ ARRA	Utility	DCAA/ ARRA	DCAA/ ARRA
Energy	1,780,187	1,155,415	624,772	604,742	381,585	223,157	117,142	4,211
Summer Demand	602	392.0	210.1	NA	NA	NA	NA	NA
Winter Demand	287	192.4	94.3	6,402	4,057	2,346	NA	NA

Average Impacts[1] per Dwelling (for those receiving measures with a given fuel type)

	Electricity (kWh)			Natural Gas (therms)			Propane (gals)	Fuel Oil (gals)
	Overall	DCAA/ARRA	Utility	Overall	DCAA/ ARRA	Utility	DCAA/ ARRA	DCAA/ ARRA
Energy	609	427	552	250	161	208	293	175
Summer Demand	0.206	0.145	0.186	NA	NA	NA	NA	NA
Winter Demand	0.098	0.071	0.083	2.645644	1.7169	2.182	NA	NA

Expenditures and Client Fuel Bill Savings

Totals	Overall	DCAA/ARRA	Utility	Averages	Overall	DCAA/ ARRA[2]	Utility
Expenditures	$26,445,639	$21,545,622	$4,900,017	Expenditures	$8,901	$7,252	$3,638
Client Fuel Savings	$837,177	$600,469	$236,708	Client Fuel Savings	$282	$202	$176

[1] Average impacts are for dwellings that received the measures, and so the averages of the Utility and DCAA will not total to the statewide average

[2] DCAA funds measures that provide no fuel savings, including health & safety and repairs

FUEL CONSUMPTION ANALYSIS RESULTS

The natural gas savings reported herein were first estimated using the measure-specific revised algorithms developed for the CY 2007 program, and then adjusted based upon a billing analysis of the weatherization clients. The factors were applied to the estimated electricity, natural gas, propane, and fuel oil heating measures, and to natural gas and propane water heater measures. Along with providing better assessments of agency-level impacts, this procedure also provides a check on the accuracy of the algorithms used to estimate savings.

The natural gas analysis found that savings for single family site-built dwellings averaged 256 therms ± 11 at 90% confidence. This represents a 24.5% savings ± 0.9% at 90% confidence for natural gas measures. Mobile home savings averaged 149 therms ± 23 at 90% confidence, equating to a 18.8% savings ± 2.6%.

Electricity savings were initially estimated using algorithms developed from savings of the 2005 and 2006 program. These estimates were adjusted based upon a billing analysis of electricity impacts of the

2012 program. That assessment found that savings averaged 2,048 kWh ± 943 for dwellings with electric main heat, and 554 kWh ± 119 for dwellings heating without electric main heat.

CHANGES IN PROGRAM DELIVERY AND REPORTING

There were no significant changes in measures delivered for the CY 2012 program, as compared to the CY 2011 program.

Organization of the Report

Section 1, Summary of Program Impacts and Expenditures, provides the overall findings of the study, and relates these to prior year results. In addition, it provides broad summaries of impacts and costs for the agencies.

Section 2, Fuel Consumption Analysis and Assessment of Agency-Level Savings Adjustment Factors, details the methodology and results of the fuel consumption analysis. A standard comparison-adjusted pre/post weather-normalization methodology was used to assess impacts.

Section 3, Detailed Spending and Impact Profiles by Funding Entity provides detailed result tables for the overall program, state funding, and for each of the three funding utilities. These tables include counts of installations and totals and average energy savings, demand impacts, and program expenditures by measure.

Section 4, Detailed Spending and Impact Profiles by Agency provides tables similar to those in Section 4 for each weatherization agency, for all measures installed.

Section 5, Detailed Spending and Impact Profiles by Agency for Utility Expenditures provides similar detail by agency, but is limited to measures funded by the utilities.

Appendix A provides a characterization of households and dwellings weatherized during 2012.

1. SUMMARY OF PROGRAM IMPACTS AND EXPENDITURES

AGGREGATE PROGRAM EXPENDITURES AND IMPACTS

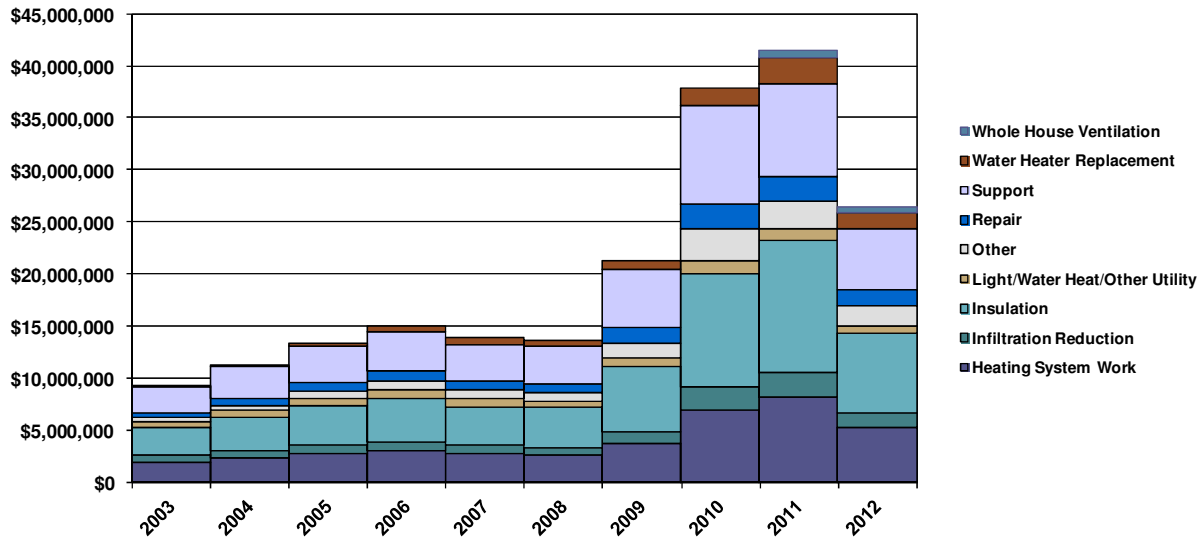

Figure 1.1a Overall Program Expenditures

Program spending totaled $26,445,639 for materials, labor, and support in houses weatherized to completion during calendar year (CY) 2012, decreasing by 37% from $41,977,443 in 2011. (see Figure 1.1a, totals exclude administration expenditures). The decrease in spending was primarily due to reductions in Federal and State funding, from $33.7 million in 2011 to $21.5 million in 2012. Federal and state funding accounted for 81% of all funding.

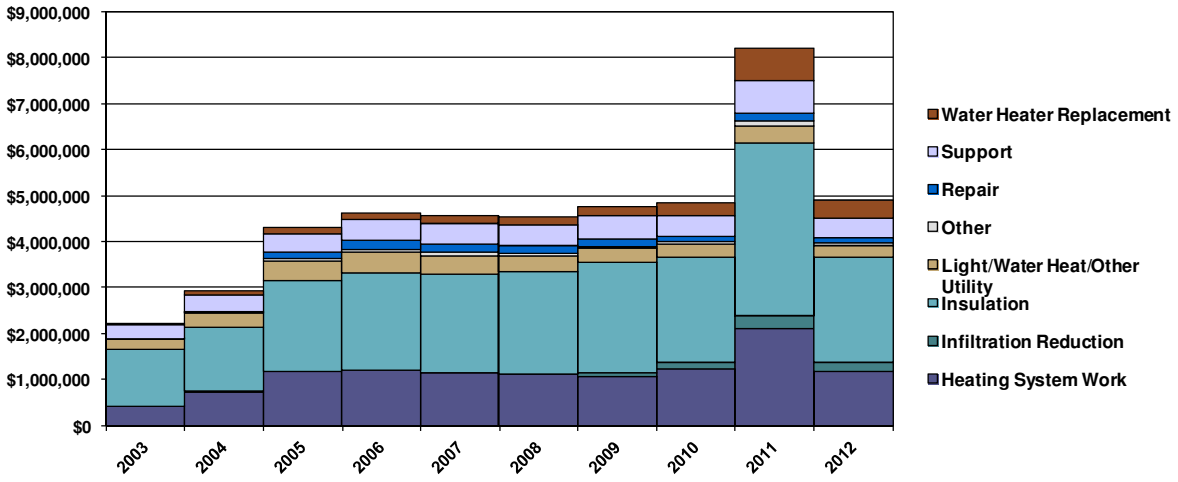

Figure 1.1b Utility Expenditures

A total of 2,971 dwellings were weatherized in 2012, compared to 4,533 in 2011. Utility funded measures were installed in 1,343 dwellings (45%).

Utility funding totaled $4,900,017 in 2012 returning to levels spent in years prior to 2011. (Figure 1.1b). Utility expenditures accounted for 18% of the total low-income program expenditures.

Natural gas savings totaled 604,742 therms for the program overall (Figure 1.2a) – utility funding was credited with 223,157 therms, or 37% of the total (Fig 1.2b).

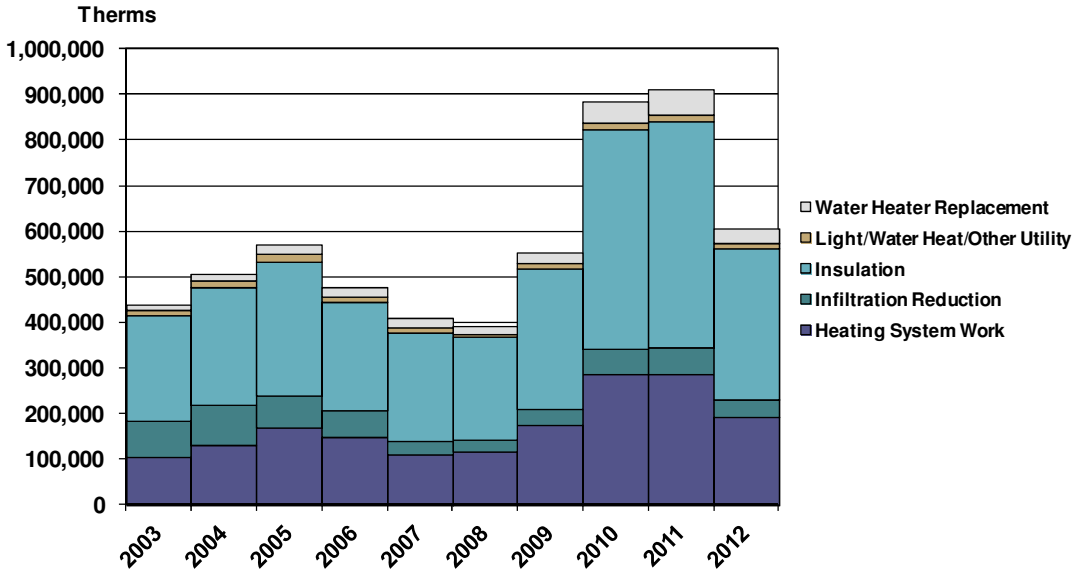

Figure 1.2a First Year Energy Savings (therms)

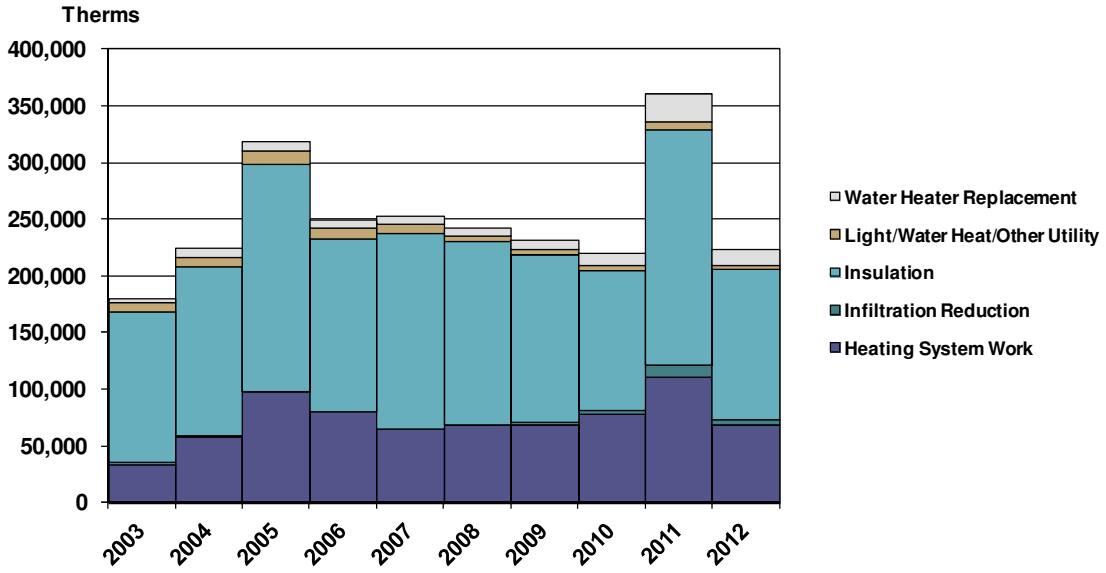

Figure 1.2b Utility First Year Energy Savings (therms)

Electricity savings totaled 1,780,187 kWh for the program overall (Figure 1.2c) – utility funding was credited with 624,772 kWh, or 35% of the total (Fig 1.2d).

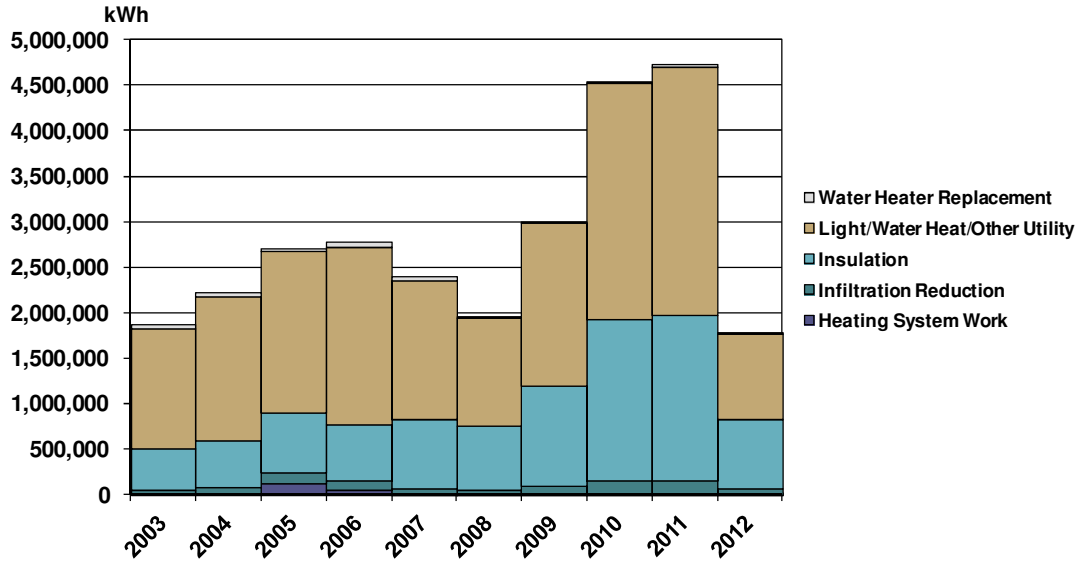

Figure 1.2c First Year Energy Savings (kWh)

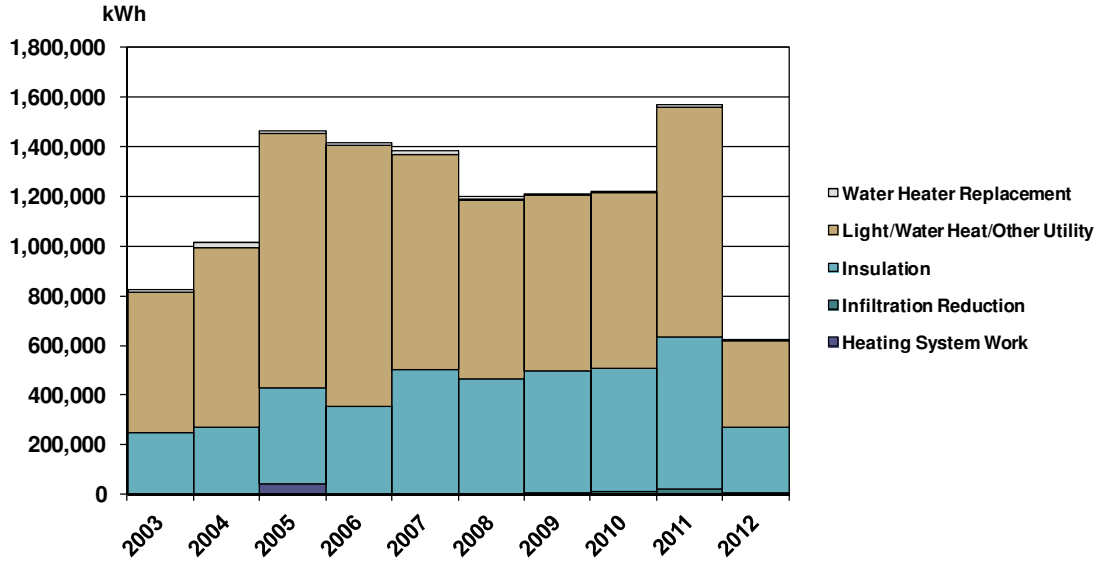

Figure 1.2d Utility First Year Energy Savings (kWh)

The savings shown in Figures 1.2c and 1.2d were estimates were based upon measure-level savings algorithms determined in our prior assessment of the 2005 and 2006 programs. They were not adjusted through a billing analysis.

We conducted a billing analysis of electricity impacts for the 2012 program (discussed in Chapter 2), and found that savings were about 35% lower than our estimates based upon the previous algorithms.

It's likely that the measure-level savings have eroded gradually since the 2005-2006 programs, and as a result, the program impacts may have been overestimated for the past several years . There are several explanations for a gradual decline in electricity measure savings, including:

1) Refrigerator efficiency standards were put in place in the early 1990s, and over time these relatively higher efficiency units have replaced the older, lower efficiency units. This has resulted in lower average consumption for units in current use. Replacing those units, while still cost-effective, results in lower average savings than in the past.

2) Efficiency standards were also increased for air conditioning equipment during the 1990s, and, as with refrigerators, we'd expect to see higher average efficiencies of units in current use. This would reduce cooling savings.

3) Estimates of lightings were based upon savings for bulbs installed in the 2005 and 2006 programs. There's been a 70% increase in the average number of bulbs installed since 2005, which suggests that CFLS may be installed in fixtures with less daily usage. It follows that our estimates of lighting savings were overstated as they were based upon bulbs with greater daily use than those installed in recent years.

Taken together, these relatively small changes in appliance stock and usage are large enough to affect overall savings. Our algorithms for assessing electricity impacts have been adjusted to account for the lower savings based upon our findings.

ENERGY SAVINGS BY END-USE AND FUEL TYPE

Heating system and shell measures savings accounted for 87.1% of the program savings, on an MBtu basis. Domestic hot water measures accounted for 6.3%, refrigeration measures 1.6%, lighting 2.2% on an MBtu basis.

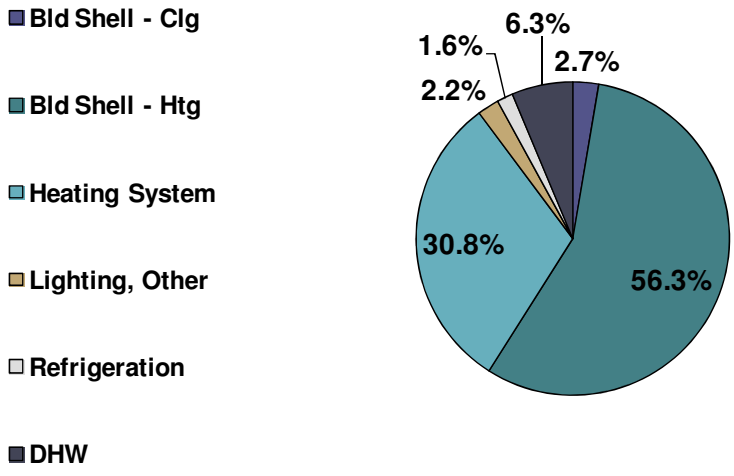

Figure 1.3a Program Energy Savings by End-Use

Natural gas savings accounted for 77.7% of savings on an MBtu basis, electricity savings accounted for 7.8% of savings, and propane savings accounted for 13.8% in the CY 2012 program. In fuel units, first-year savings totaled 604,742 therms of natural gas; 1,780,187 kWh of electricity; 117,142 gallons of propane; and 4,211 gallons of fuel oil. First-year peak demand savings totaled 6,402 therms; 601 kW summer demand, and 287 kW winter demand.

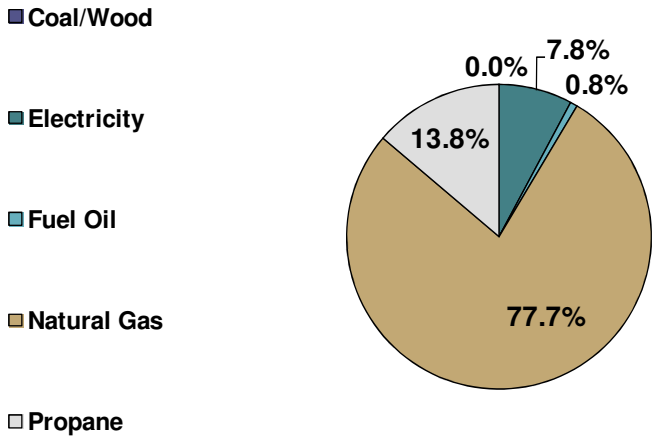

Figure 1.3b Program Energy Savings by Fuel Type

CLIENT BILL SAVINGS

Client fuel bill savings were estimated using Department of Energy's Energy Information Agency (EIA) state monthly average prices for electricity and natural gas, and seasonal fuel costs for propane and fuel oil. The savings for each measure are allocated by month so that the estimated bill savings reflect the seasonal fluctuations in fuel prices.

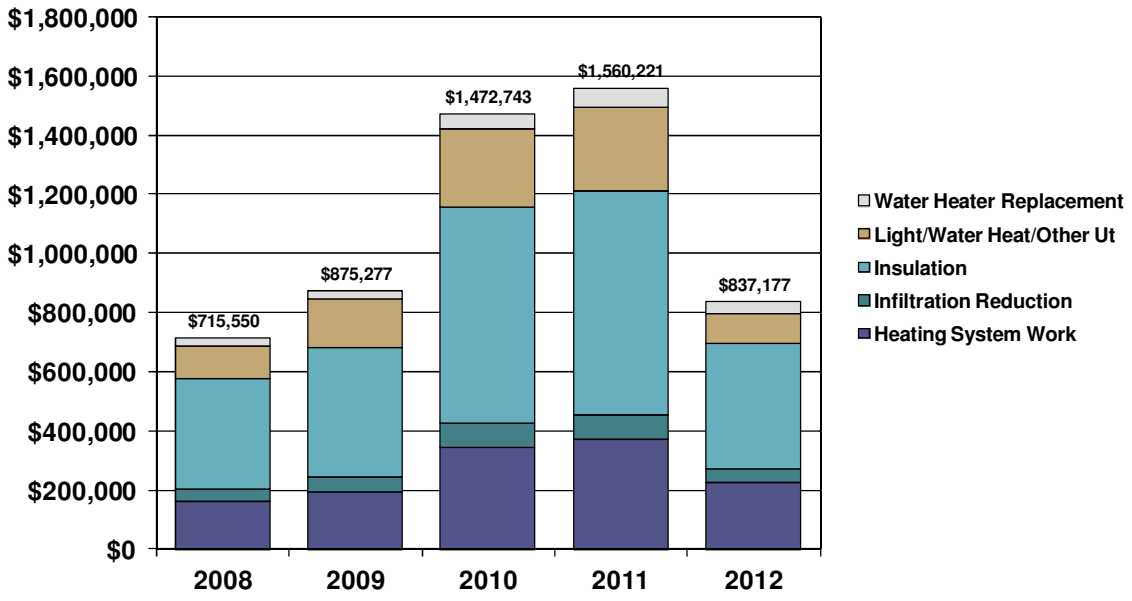

Figure 1.4a First Year Client Fuel Cost Savings (Nominal Dollars)

The nominal first year client energy bill savings totaled $837,137 in 2012 (Figure 1.4a).

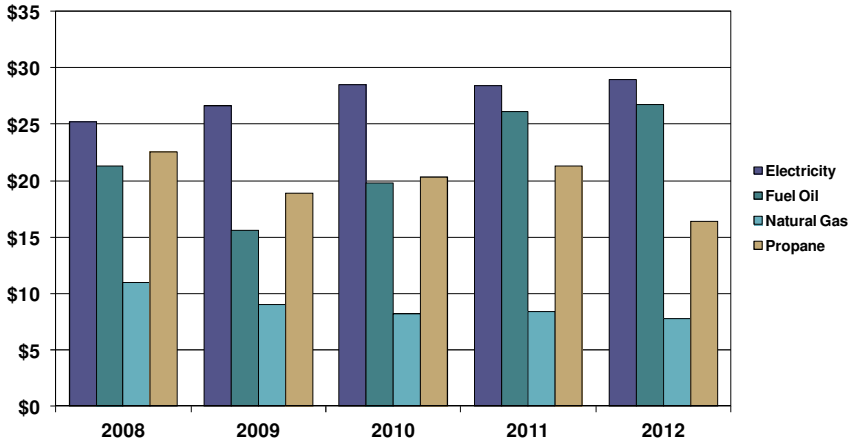

Figure 1.4b Average Fuel Cost per MBtu (Nominal Dollars)

Electricity and fuel oil prices increased by 2% from CY 2011. Natural gas prices declined by 7%, and propane declined by 23% (Figure 1.4b).

CLIENT SAVINGS BY FUEL TYPE AND END-USE

Natural gas savings provided 56% of client bill savings, electricity accounted for 21%, propane accounted for 21%, and fuel oil provided 2% (Figure 1.5a).

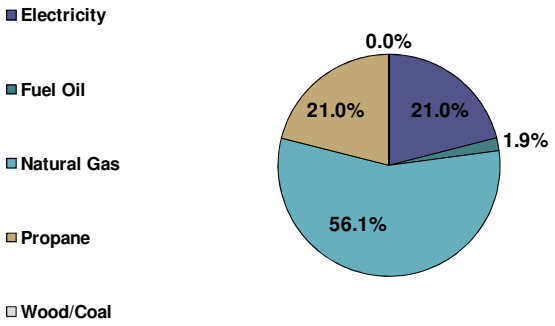

Figure 1.5a Client Bill Savings by Fuel Type

Approximately 48% of client bill savings are attributable to the heating impacts of shell measures (insulation and infiltration reduction), and 27% due to heating system work (Figure 1.5b). Taken together, heating impacts from shell improvements and heating system measures accounted for 76% of total client bill savings.

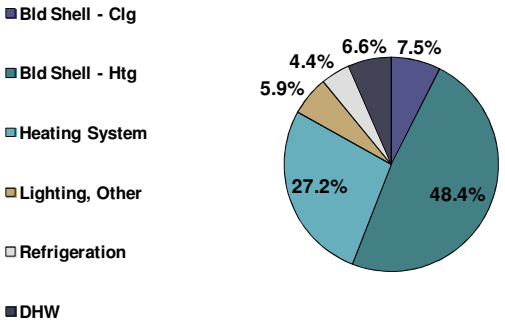

Figure 1.5b Client Bill Savings by End Use

UTILITY FUNDING IMPACTS

Utility funding reached 1,343 households, or 45% of all dwellings weatherized by the program (Table 1.1). Utility expenditures for labor and material totaled $4,479,515; an additional $420,502 was spent for program support. Materials and labor expenditures averaged $3,335, and total expenditures including support averaged $3,649.

Table 1.1 Utility Expenditures and Counts of Dwellings with Impacts

	Total Expenditures		Counts of Dwellings With Impacts					
Utility	Excluding Program Support	With Program Support	Electric Impacts	Pct of Prg	Gas Impacts	Pct of Prg	Total	Pct of Prg
Intersate Pwr & Lt	$ 1,934,525	$ 2,102,533	657	22.5%	386	16.0%	767	25.8%
Black Hills Corp	$ 455,512	$ 500,339			174	7.2%	174	5.9%
MidAmerican	$ 2,089,478	$ 2,297,145	474	16.2%	514	21.2%	619	20.8%
Total Utilities	$ 4,479,515	$ 4,900,017	1,131	38.7%	1,075	44.4%	1,343	45.2%

Note: expenditures exclude utility administation costs

Utility-funded measures accounted for 35% of all energy savings for electricity and 37% of gas savings. Utility-funded measures saved a total of 624,772 kWh, averaging of 552 kWh of electricity for the 1,131 dwellings with utility-funded electricity measures. Utility-funded gas measures saved 223,157 therms, averaging 208 therms for the 1,075 dwellings with these measures. Utility-funded measures reduced peak electricity demand by 210 kW in the summer and 94 kW in the winter, and provided 2,346 peak-day therms of gas savings.

Table 1.2 First Year Fuel and Client Bill Savings Impacts from Utility-Funded Measures

Utility	First Yr Fuel Savings	Pct of Prg	Summer Demand Savings	Pct of Prg	Winter Demand Savings	Pct of Prg	First Year Fuel Cost Savings	Pct of Prg
Electricity	(kWh)		(kW)		(kW)			
Intersate Pwr & Lt	351,234	19.7%	115	19.1%	58	20.3%	$ 34,692	19.7%
MidAmerican	272,264	15.3%	95	15.8%	36	12.6%	$ 27,009	15.3%
Total Utilities	624,772	35.1%	210	34.9%	94	32.9%	$ 61,826	35.1%
Gas	Therms				Peak Day Therms			
Intersate Pwr & Lt	92,193	15.2%			985	15.4%	$ 71,735	15.3%
Black Hills Corp	25,174	4.2%			264	4.1%	$ 19,676	4.2%
MidAmerican	105,761	17.5%			1,096	17.1%	$ 83,442	17.8%
Total Utilities	223,157	36.9%			2,346	36.6%	$ 174,882	37.3%

Utility-funded measures yielded first-year client bill savings of $236,708, averaging $176 per dwelling that received utility-funded measures. Savings averaged $55 per household for utility-funded electricity measures, and $163 for gas measures.

Figure 1.6 provides a average utility funding for labor and materials and percentages dwellings with utility funding for the past five years.

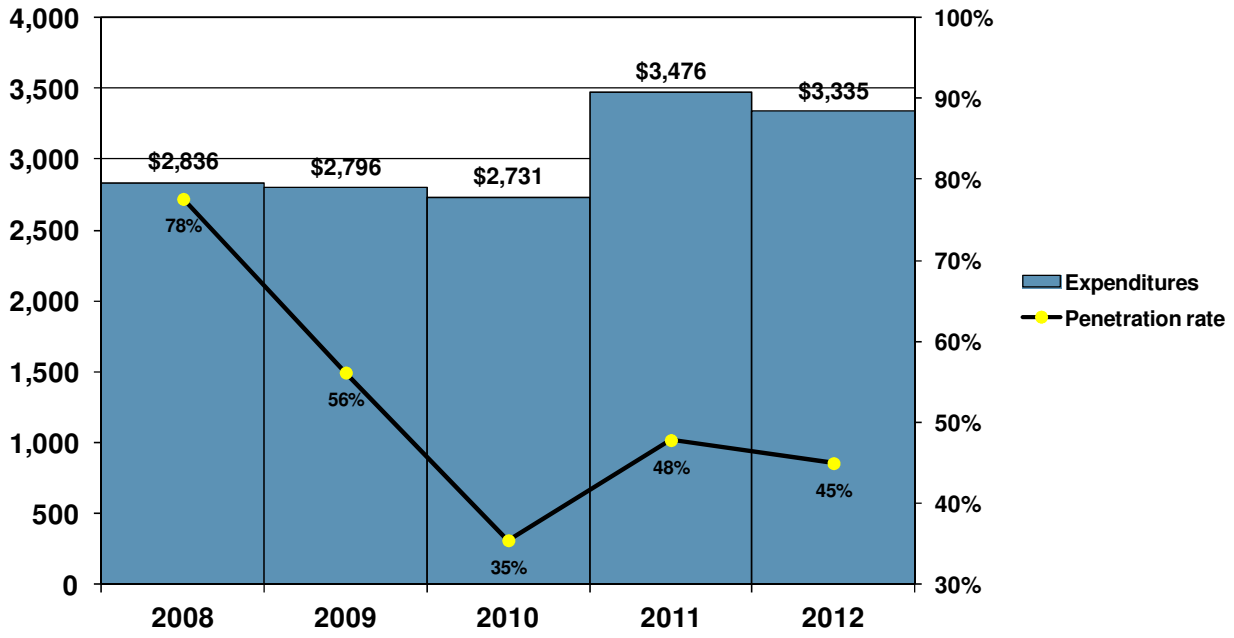

Figure 1.6 Average Utility Spending on Materials and Labor (excluding Support), and Percentage of Homes Receiving Utility-Funded Measures with Impacts

Table 1.3 provides the percentages of total expenditures for the types of measures that were funded by the utilities.

Table 1.3 Utility Funding Percentages by Measure

Measure	Expenditures Total	Expenditures Utility	Utility Percentage
Wall Insulation	$2,965,938	$1,001,091	33.8%
Attic Insulation	$2,533,025	$834,130	32.9%
Kneewall Insulation	$203,161	$70,170	34.5%
Floor/Crawlspace Insulation	$933,225	$324,678	34.8%
Bandjoist Insulation	$228,545	$60,322	26.4%
Infiltration Reduction	$1,476,133	$173,869	11.8%
High Efficiency Htg Sys Repl.	$3,960,668	$1,134,256	28.6%
Electric Htg Sy/Ht Pump Repl.	$169,026	$16,906	10.0%
Pipe Wrap	$10,359	$3,510	33.9%
Faucet Aerator	$4,052	$1,411	34.8%
Shower Head	$5,690	$1,913	33.6%
Water Heater Replacement - Hi Eff	$962,579	$414,525	43.1%
Compact Fluorescent Lighting	$155,820	$57,822	37.1%
Exchange Refrigerator	$457,205	$161,042	35.2%
Exchange Freezer	$86,780	$23,486	27.1%
Repairs	$1,491,583	$96,832	6.5%
Programmable Thermostat	$3,016	$2,741	90.9%
Htg Sys Tune/Clean	$175,129	$22,613	12.9%
Htg Sys Ventilation	$36,955	$36,322	98.3%
Water Heater Ventilation	$150,765	$25,809	17.1%
Other	$4,617,146	$16,067	0.3%
Overall Excluding Support	$20,626,799	$4,479,515	21.7%
Support	$5,818,840	$420,502	7.2%
Overall Including Support	$26,445,639	$4,900,017	18.5%

AVERAGE EXPENDITURES AND IMPACTS

The nominal average household expenditures for all dwellings weatherized in 2012 decreased by 4% to $8,901 from $9,258 in 2011 (Figure 1.7). The relative proportion of expenditures by major measure groups has changed little in recent years -- insulation accounted for the largest proportion of total expenditures, followed by support and heating system work.

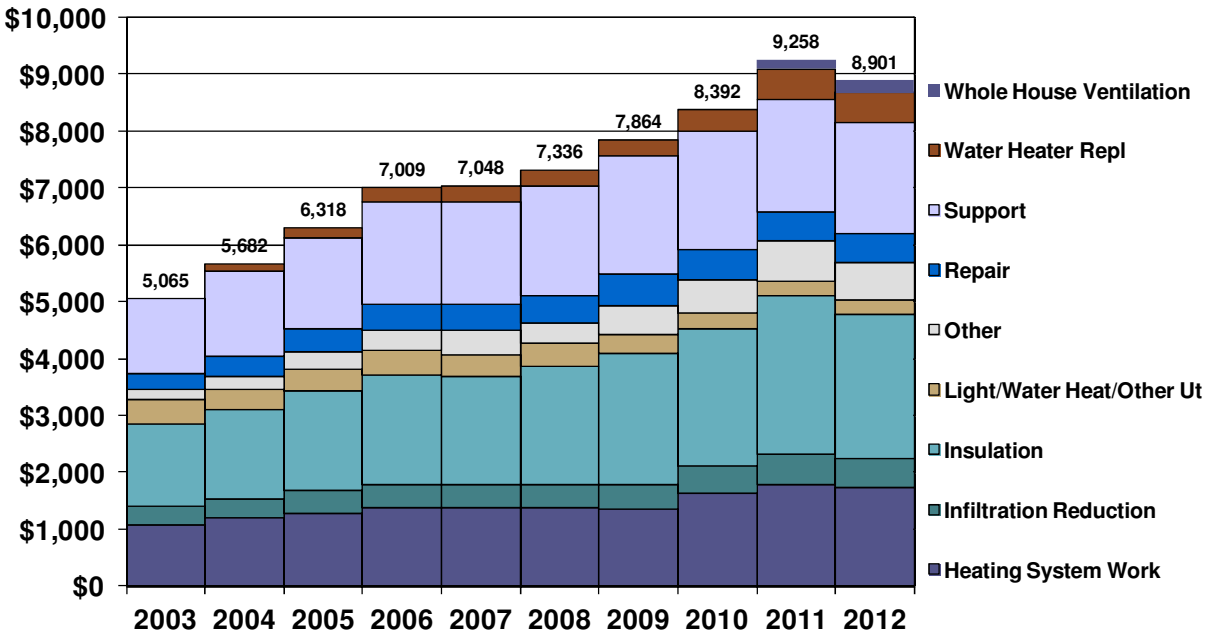

Figure 1.7 Average Program Expenditures per Housing Unit

The average savings per dwelling was 26.2 MBtu for clients weatherized during 2012 (Figure 1.8).

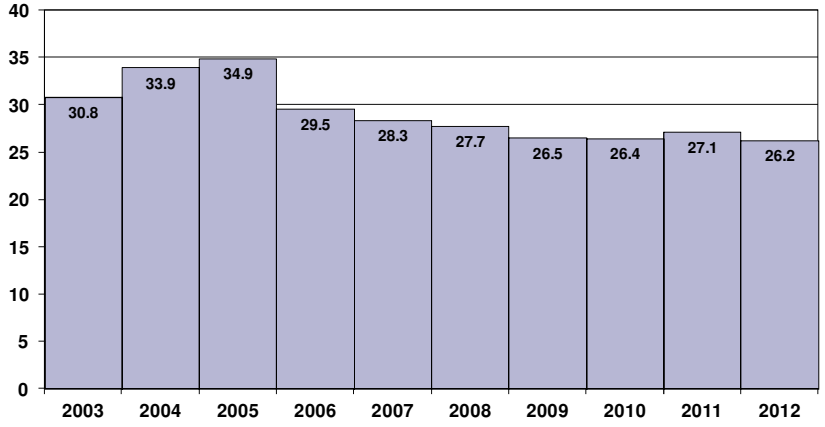

Figure 1.8 Average Energy Savings per Housing Unit (MBtu)

First-year client fuel bill savings averaged $282 for the CY 2012 program, compared with $344 per dwelling in 2011 (Figure 1.9). Savings are lower due to reductions in gas and propane prices as well as downward adjustments to electricity savings.

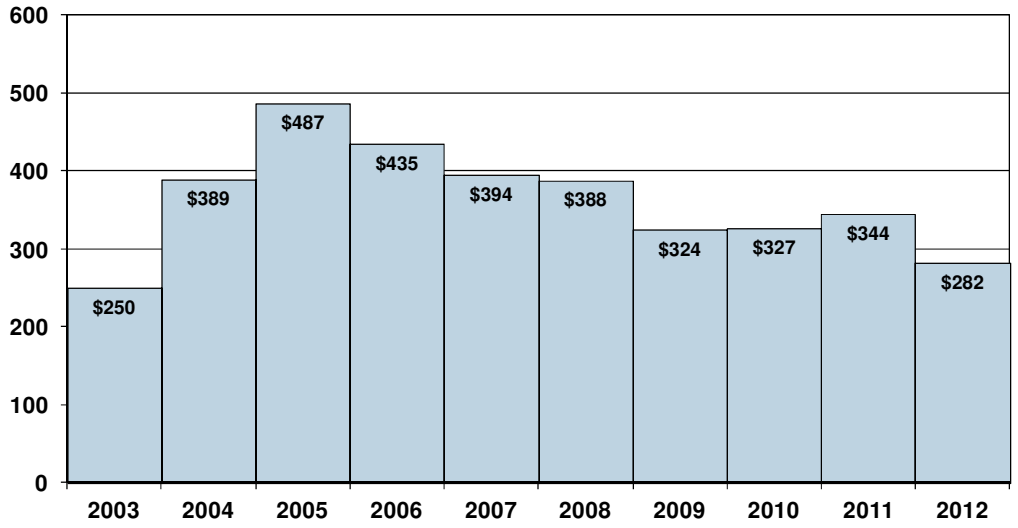

Figure 1.9 Average Annual Client Fuel Bill Savings per Housing Unit

EXPENDITURES AND SAVINGS BY AGENCY

Figure 1.10 shows the average annual energy cost savings by agency. The series are arranged from left to right in the chart according to left to right and top to bottom and in the legend, e.g., Bldg Shell Cooling, then Bldg Shell Heating, then Heating system, etc.

Savings attained by each agency were adjusted according to results of the natural gas and electricity fuel consumption analyses, detailed in Section 2 of this report. The estimated impacts for propane and fuel oil were adjusted using the same factors as those used for natural gas.

Bear in mind that various factors affect the values shown in this chart, factors beyond quality or intensity of weatherization treatment (an example is climate variations within the state). Consequently, these results should not be used as a basis for comparing the quality, attention to detail, dedication, or other factors of agency performance.

As shown in Figure 1.10, the statewide average client bill savings was $282 per dwelling. The wide variation in average client cost savings is typical of what we've observed in past years. The average first-year client bill savings widely varied across agencies, from lows near $200 per dwelling for (HACAP and New View) to highs exceeding $375 for MATURA, New Opportunities, and SCICAP. The results for MATURA are significantly higher than for other agencies due to a relatively small sample of homes in the billing analysis – these dwellings had very high pre-weatherization consumption and savings.

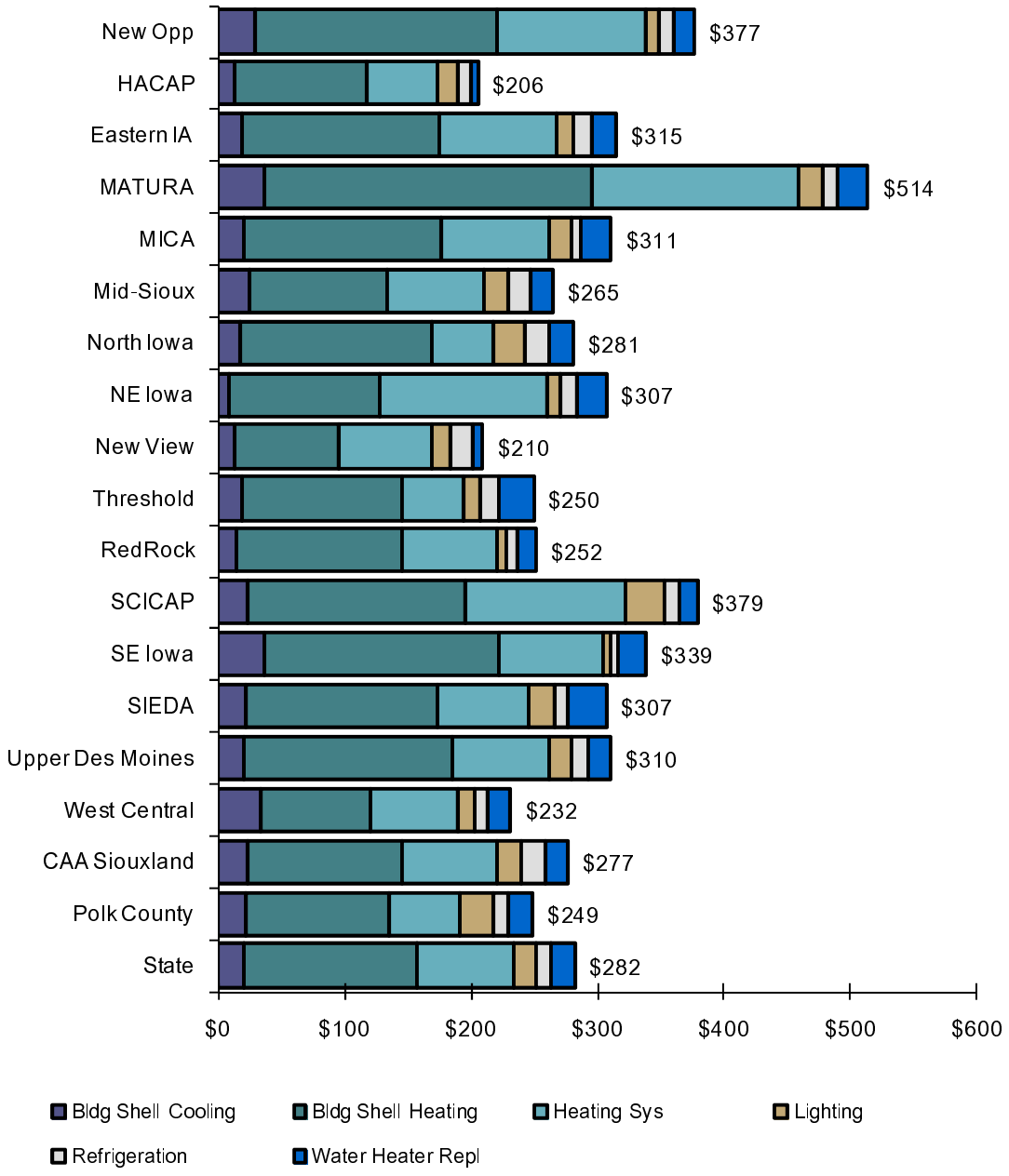

Figure 1.10 Average Annual Fuel Bill Savings per Housing Unit by Agency

Figure 1.11 shows the average expenditures for all households with impacts in 2012, ranging from highs exceeding $11,000 for Eastern Iowa to less than of $7,000 for New View and SCICAP. The statewide average expenditure was $8,901 per dwelling.

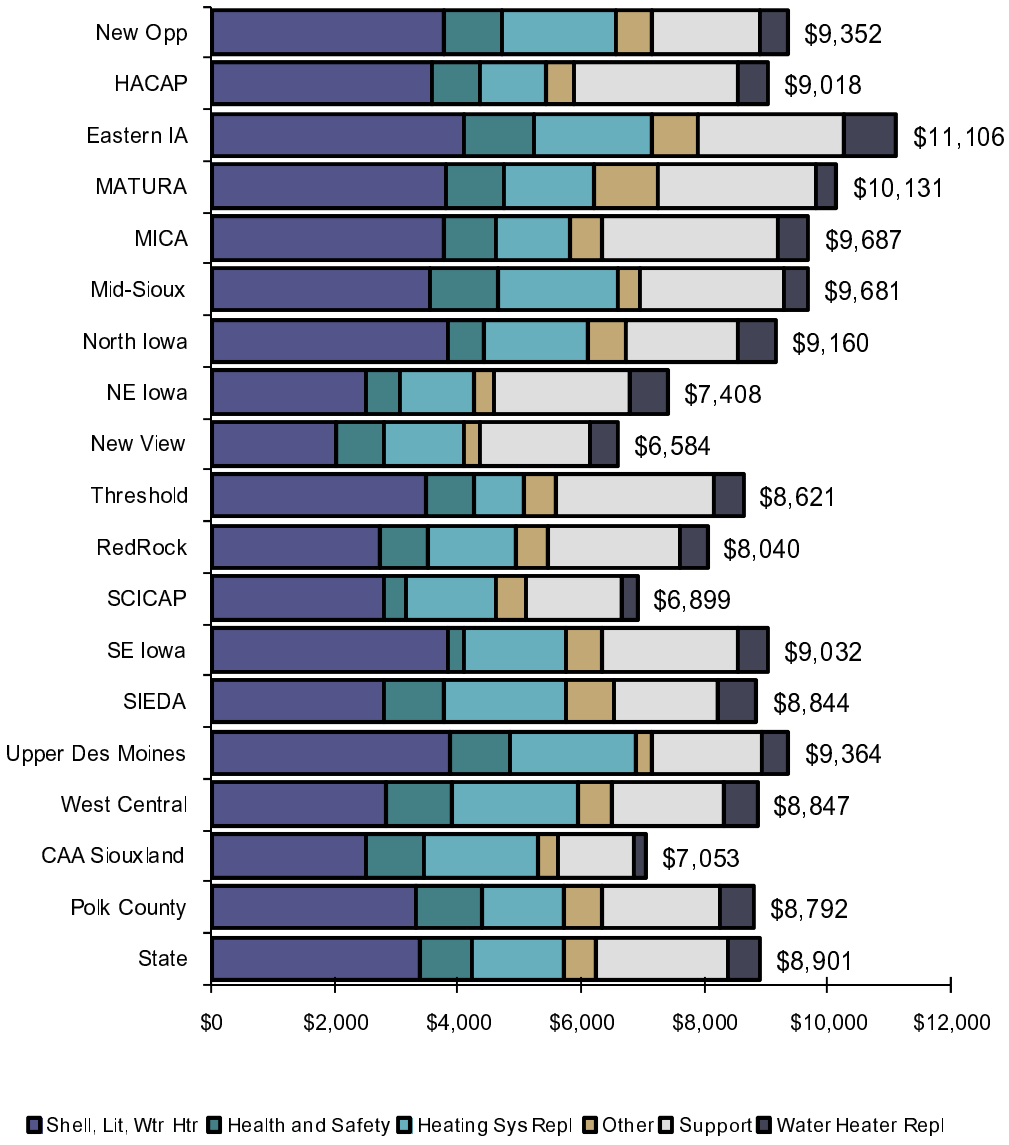

Figure 1.11 Average Expenditures per Housing Unit by Agency

The average installation rates, costs, and savings for energy efficiency and heating and water heating system replacement measures for calendar year programs 2010-2012 are shown in Figures 1.12a and 1.12b.

The installation rates of insulation measures and infiltration reduction in the 2012 program changed little from the previous two years (see Figure 1.12a, left chart).

Figure 1.12a, right chart, shows that the average measure costs decreased by a few percent for heating system replacements and insulation in the 2012 program. Costs were higher for water heater, refrigerator, and freezer.

The average first-year energy gas and electricity savings for each major measure is shown in Figures 1.12b.

Average natural gas savings changed little from 2010 through 2012. The estimated savings, corrected at the agency level in the billing analysis, is dependent upon several factors, including infiltration rate reduction and pre-weatherization consumption which may affect the base level of savings prior to adjustment. We believe reduction in savings for this measure to be driven primarily by such factors and do not indicative of a long term trend in savings from condensing heating system replacements.

The average electricity savings are lower for 2012. As noted earlier (page 8) and discussed in Section 2, we conducted a billing analysis of electricity impacts for the 2012 program. The billing analysis found that electricity savings were approximately 65% of our estimates, which were based upon a billing analysis of the 2005 and 2006 programs. We show the adjusted estimates in Figure 1.12b and 1.12d. The 2010 and 2011 estimates, which were based upon the unadjusted 2005/2006 billing analysis, are likely to be overstated.

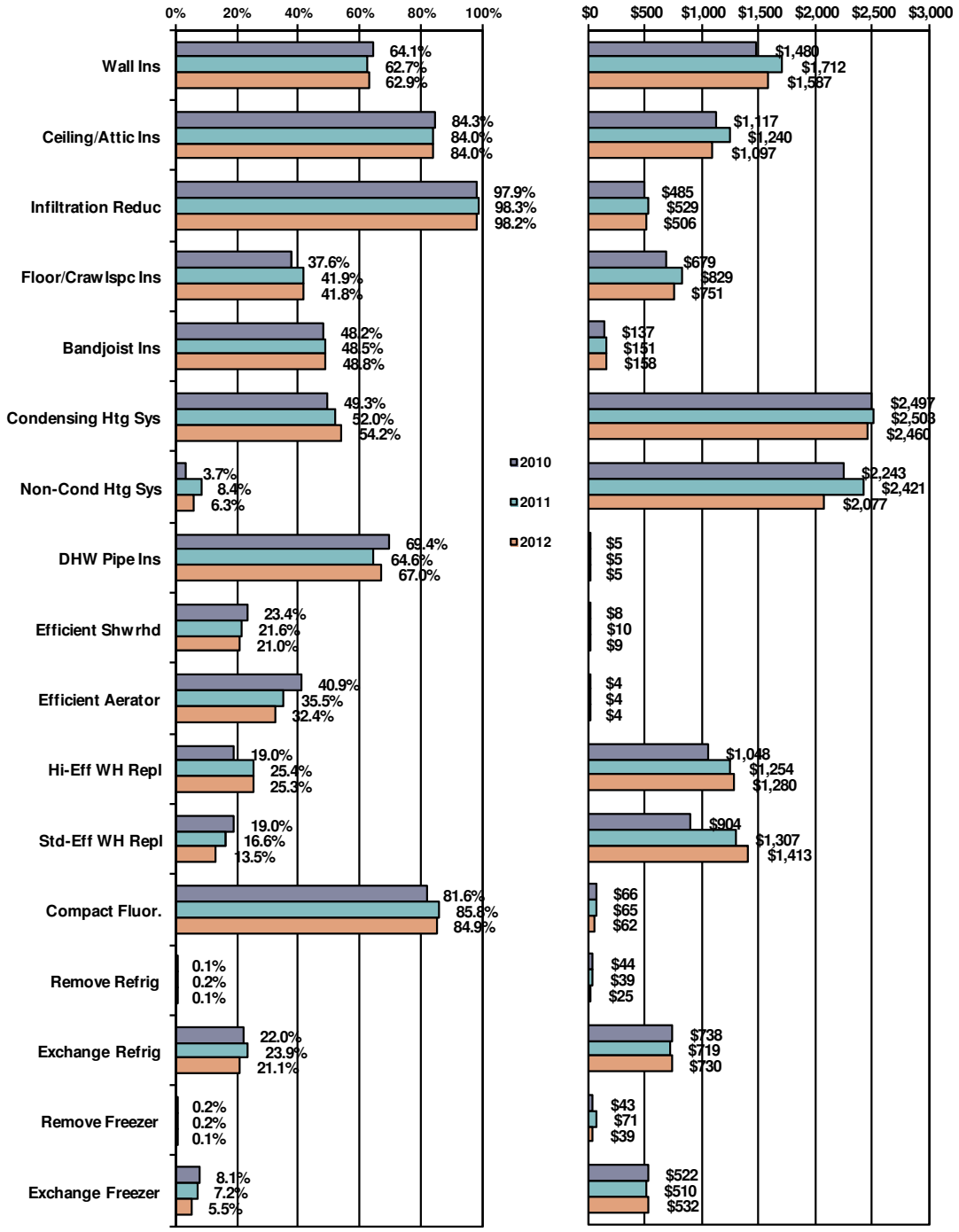

Figure 1.12a Average Installation Rates and Measure Costs of Efficiency Measures, Heating System and Water Heating Replacements

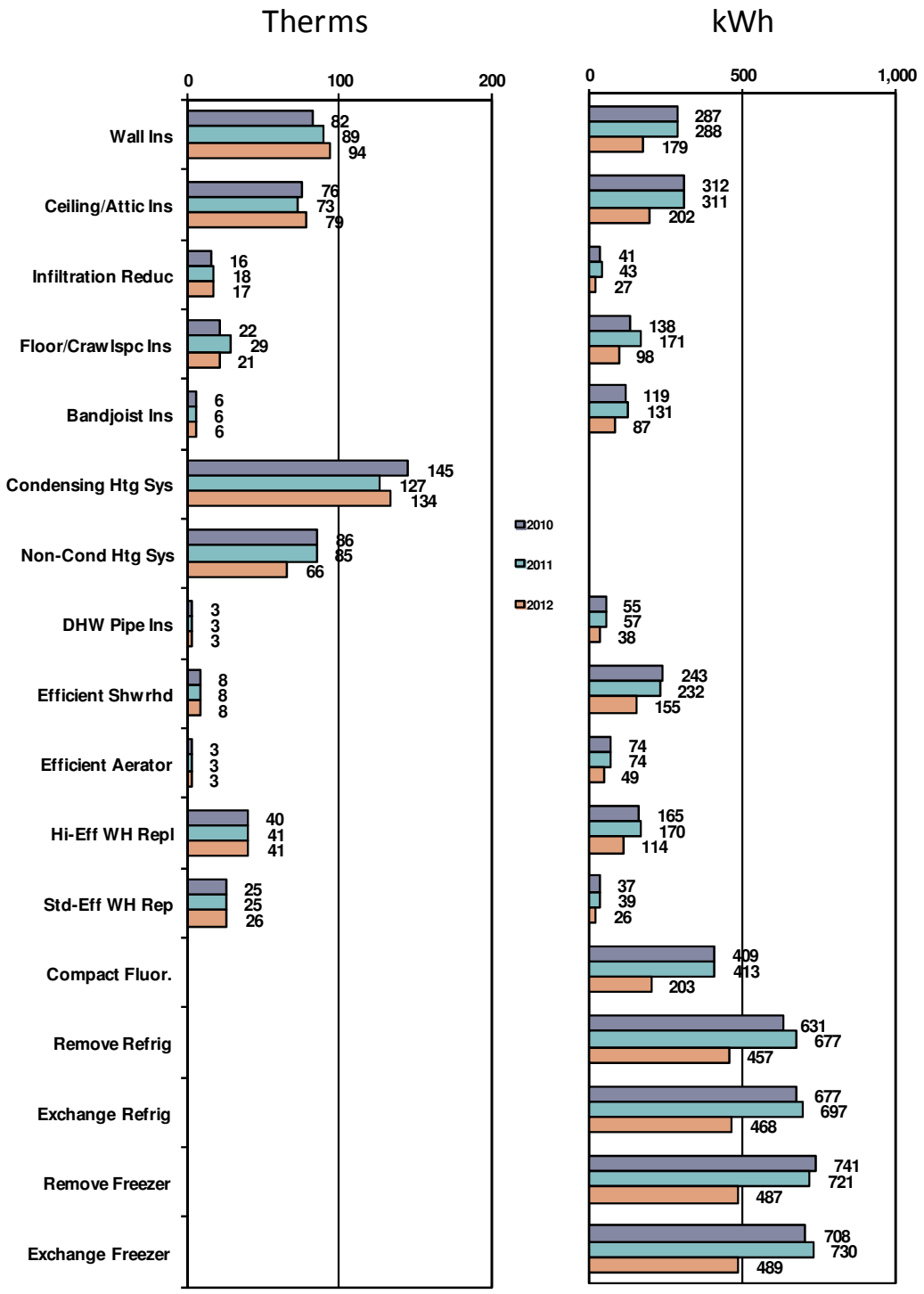

Figure 1.12b Average Gas and Electricity Savings of Efficiency Measures, Heating System and Water Heating Replacements

Table 1.4 provides a listing of the average installation rates of measures (i.e., the percentage of households receiving measures) over the past 5 years. Cases where the percentage changes are highest correspond to measures with very low installation rates and these are not indicative of major changes in the installation protocols for these measures nor do they have a major influence on savings.

Table 1.4 Installation Rates of Measures

Measure	2007	2008	2009	2010	2011	2012	Percentage Change in Installation Rate (%)
Insulation and Infiltration Reduction Measures							
Wall Insulation	60.8	65.5	61.5	64.3	63.0	62.9	-0.2%
Ceiling/Attic Insulation	86.4	87.6	84.7	84.5	84.5	84.0	-0.5%
Floor/Crawlspace Insulation	40.5	39.3	40.5	38.6	43.8	43.3	-1.2%
Bandjoist Insulation	48.3	48.0	48.1	48.4	48.8	48.9	0.2%
Infiltration Reduction	99.7	99.7	96.0	98.1	99.0	98.4	-0.6%
Heating System Measures							
Htg. Sys. Replacement	51.0	49.2	50.1	53.0	60.7	60.5	-0.4%
High Eff Htg Sys Repl	46.2	44.1	45.1	49.3	52.3	54.2	3.6%
Std/Unspec Eff Htg Sys Repl	4.8	5.1	5.0	3.7	8.4	6.3	-25.3%
Htg. Sys. Tune and Clean	56.9	52.3	50.4	41.5	42.6	40.0	-6.1%
Heating System Safety Check	27.2	27.1	26.9	25.8	24.5	21.3	-13.1%
Heating System Ventilation	21.6	20.2	11.2	7.2	13.7	9.5	-30.5%
Water Heater Measures							
Water Heater Turndown	----------Not Tracked Consistently ----------						
Water Heater Wrap	0.2	0.1	0.2	0.0	0.0	0.0	-
Pipe Wrap	61.4	63.5	68.5	69.4	73.6	75.7	2.8%
Shower Head	28.1	24.1	26.4	23.9	24.8	22.5	-9.3%
Faucet Aerator	43.0	40.8	44.1	41.0	38.7	35.2	-9.2%
Water Heater Replacement	36.0	33.7	32.1	38.0	48.4	45.4	-6.2%
Hi-Eff Wtr Htr Repl.	21.4	19.7	15.6	19.0	27.3	27.1	-1.0%
Std-Eff Wtr Htr Repl.	14.6	13.9	16.5	19.0	21.1	18.3	-13.0%
Water Heater Ventilation	13.3	12.4	13.1	19.0	20.6	22.4	8.9%
Water Heater Repair	7.9	6.9	8.0	8.1	7.8	11.0	41.0%
Lighting Measures							
Compact Fluorescent Bulbs	89.1	84.3	87.9	81.6	86.2	84.9	-1.5%
Refrigeration Measures	45.5	37.6	32.7	26.8	28.6	24.7	-13.5%
Refrigerator Removal	1.3	0.7	0.3	0.1	0.2	0.1	-49.4%
Refrigerator Exchange	37.5	31.3	27.0	22.0	24.0	21.1	-12.2%
Freezer Removal	1.0	0.5	0.4	0.2	0.2	0.1	-24.1%
Freezer Exchange	15.4	11.1	9.6	8.1	7.3	5.5	-24.6%
Health and Safety (other than heating & water heating measures listed above)							
CO Detector	49.9	47.1	59.3	67.4	76.7	77.3	0.7%
Smoke Detector	17.5	17.8	30.7	35.4	45.2	48.8	8.1%
Exhaust Ventilation	60.0	58.5	67.6	77.4	81.0	83.5	3.1%
Fuses	0.3	0.3	0.3	0.2	0.6	0.6	15.3%
Repairs	85.9	87.6	88.1	82.9	88.5	87.6	-1.0%

Table 1.5 shows details of the average installed costs for each measure over the past 5 years of the joint program. Insulation costs decreased by 7% to 12% with the exception of bandjoist insulation which increased slightly. Non-condensing heating system replacement costs decreased by 14% in the 2012 program. Other cases with large percentage changes in costs tend to be those associated with very few installations or costs, and have little effect on the overall program costs.

Table 1.5 Average Measure Costs

Measure	2008	2009	2010	2011	2012	Recent Year Change (%)
Insulation and Infiltration Reduction Measures						
Wall Insulation	1,228	1,409	1,477	1,712	1,587	-7.3%
Ceiling/Attic Insulation	974	1,089	1,115	1,240	1,096	-11.6%
Infiltration Reduction	410	439	484	528	505	-4.4%
Floor/Crawlspace Insulation	579	676	662	797	725	-9.1%
Bandjoist Insulation	118	118	136	151	157	4.2%
Heating System Measures						
Htg. Sys. Replacement						
Condensing Htg Sys Repl	2,498	2,372	2,497	2,503	2,460	-1.7%
Non-Cond Htg Sys Repl	1,997	1,885	2,243	2,421	2,077	-14.2%
Htg. Sys. Tune and Clean	98	93	114	141	147	4.4%
Heating System Safety Check	91	98	94	127	119	-6.1%
Heating System Ventilation	131.5	130	128	138	131	-5.1%
Water Heater Measures						
Water Heater Wrap	0	0	0	0	0	0.0%
Pipe Wrap	5	5	5	5	5	-4.8%
Shower Head	8	8	8	9	9	-4.8%
Faucet Aerator	4	5	4	4	4	-5.7%
Water Heater Replacement						
Hi-Eff Wtr Htr Repl.	898	973	1,048	1,171	1,197	2.3%
Std-Eff Wtr Htr Repl.	759	828	904	1,035	1,037	0.2%
Water Heater Ventilation	151	164	223	216	226	4.8%
Water Heater Repair	105	100	107	94	97	2.7%
Lighting Measures						
CFL Bulbs (avg spent per home)	54	66	66	65	62	-5.5%
Refrigeration Measures						
Refrigerator Removal	31	28	44	39	25	-36.6%
Refrigerator Exchange	712	725	738	719	730	1.6%
Freezer Removal	33	23	43	71	39	-45.3%
Freezer Exchange	503	511	522	510	532	4.4%
Health and Safety (other than heating & water heating measures listed above)						
CO Detector	48	50	54	51	52	0.8%
Smoke Detector	26	30	35	44	45	2.7%
Exhaust Ventilation	295	320	462	436	452	3.5%
Fuses	53	56	64	71	108	51.5%
Repairs	576	621	628	603	573	-4.9%
Support	2,028	2,135	2,280	2,415	2,424	0.3%

SAVINGS OF WATER HEATER, LIGHTING, AND REFRIGERATION MEASURES

Table 1.6 shows the installation rates for energy efficiency measures other than space heating or cooling. These measures include water heater (except water heater replacements which are primarily health and safety measures), lighting, and refrigeration measures. Statewide, client bill savings averaged $35 for these measures in 2012. The highest average bill savings were attained by North Iowa, SCICAP, and Siouxland at approximately $50 per dwelling. SE Iowa and Redrock the lowest average savings for these measures, averaging $14 and $17 per dwelling, respectively.

Table 1.6 Installation Rates and Savings of Baseload Measures

	Water Heating			Lighting	Refrigeration				
Agency	Pipe Wrap	Eff Shower-head	Eff Faucet Aerator	Compact Fluor	Ex-change Refrig	Ex-change Freezer	Remove Refrig	Remove Freezer	Average First Year Bill Savings
New Opp	55%	0%	0%	100%	15%	8%	0%	0%	$22.89
HACAP	41%	0%	0%	76%	20%	2%	0%	0%	$26.70
Eastern IA	80%	29%	58%	88%	29%	6%	0%	0%	$34.98
Matura	94%	33%	4%	98%	19%	6%	0%	0%	$38.64
MICA	71%	35%	53%	92%	13%	4%	0%	0%	$33.39
Mid-Sioux	95%	26%	47%	64%	28%	11%	0%	0%	$43.71
North Iowa	95%	49%	84%	97%	29%	8%	1%	1%	$51.39
NE Iowa	75%	7%	13%	71%	22%	5%	0%	0%	$27.12
New View	92%	1%	1%	98%	28%	6%	0%	0%	$33.06
Threshold	96%	49%	73%	96%	22%	10%	0%	0%	$38.08
Redrock	9%	9%	9%	67%	11%	7%	0%	0%	$17.20
SCICAP	55%	44%	89%	93%	20%	5%	0%	1%	$50.22
SE Iowa	72%	0%	0%	45%	9%	3%	0%	0%	$14.14
SIEDA	85%	62%	69%	85%	14%	8%	0%	0%	$45.14
Upper Des Moines	97%	0%	0%	96%	19%	9%	0%	0%	$33.92
West Central	63%	41%	81%	91%	15%	5%	0%	0%	$31.56
CAA Siouxland	90%	57%	59%	88%	34%	8%	0%	0%	$49.50
Polk County	93%	2%	12%	92%	25%	0%	0%	0%	$41.81
State	76%	22%	35%	85%	21%	5%	0%	0%	$34.85

TRENDS IN THE INSTALLATION RATES OF LIGHTING, REFRIGERATION, AND HEATING SYSTEM REPLACEMENTS

This section focuses on trends in the installation rates of several efficiency measures phased into the joint utility/WAP program, including compact fluorescent lighting, heating system replacements, and refrigeration measures. These are shown in Figures 1.13a through 1.13d.

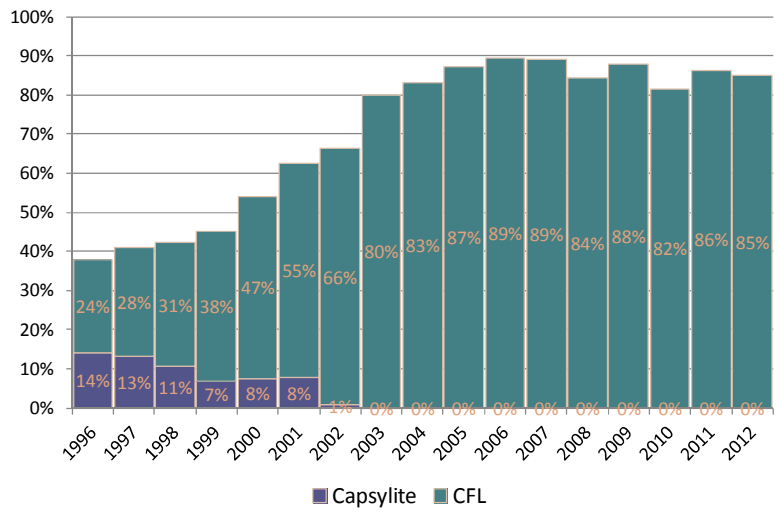

Figure 1.13a Percentage of Housing Units Receiving Lighting Measures

Figure 1.13a shows the percentage of dwellings receiving at least one lighting measure for each year, beginning in 1996. Lighting was installed in 38% of dwellings in 1996; currently 85% of dwellings receive lighting from the program.

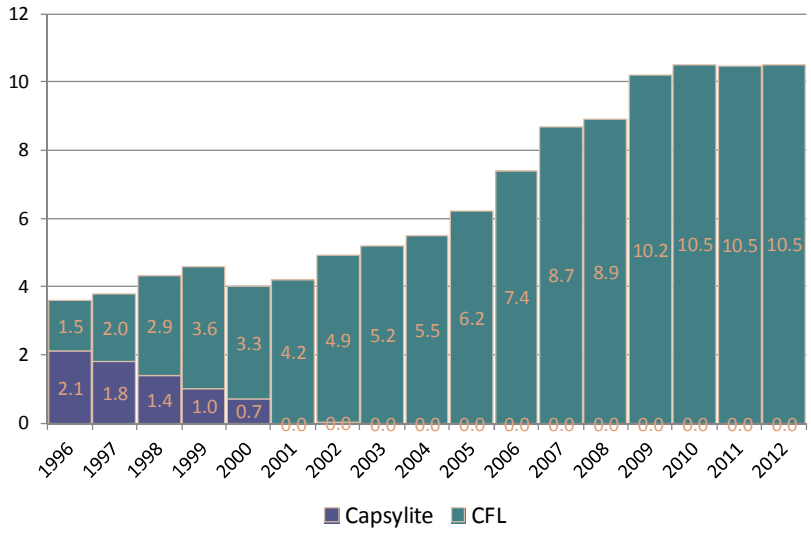

Figure 1.13b Average Number of Bulbs Installed for Housing Units Receiving Lighting Measures

The average number of bulbs installed in dwellings that received at least one lighting measure averaged 10.5 bulbs per house 2012 and is unchanged from the prior two years (Figure 1.13b).

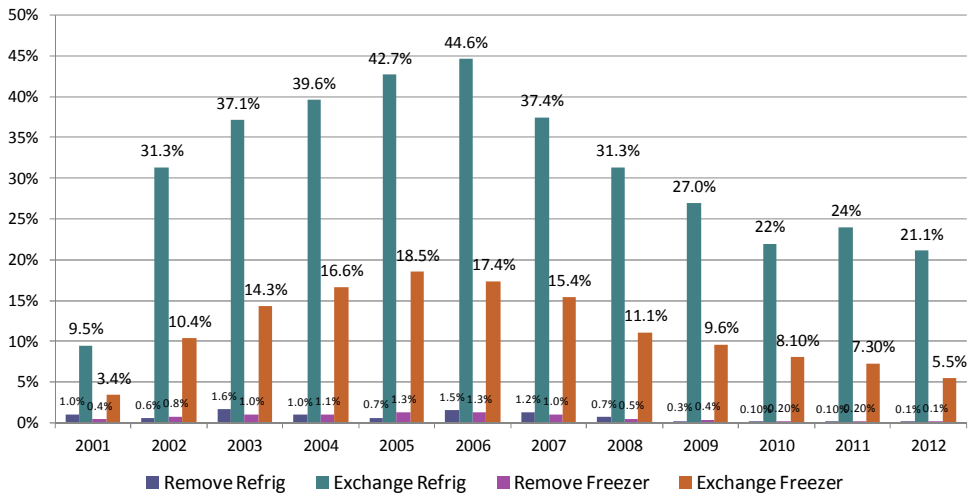

Figure 1.13c Installation Rates of Refrigeration Measures

Figure 1.13c shows the initial ramp up of refrigeration measure installation rates as well as declines in recent years. It is likely that the efficiency of in-place units is steadily increasing in the population as clients replace failing units prior to participating in the weatherization program, resulting in fewer cases of cost-effective replacements.

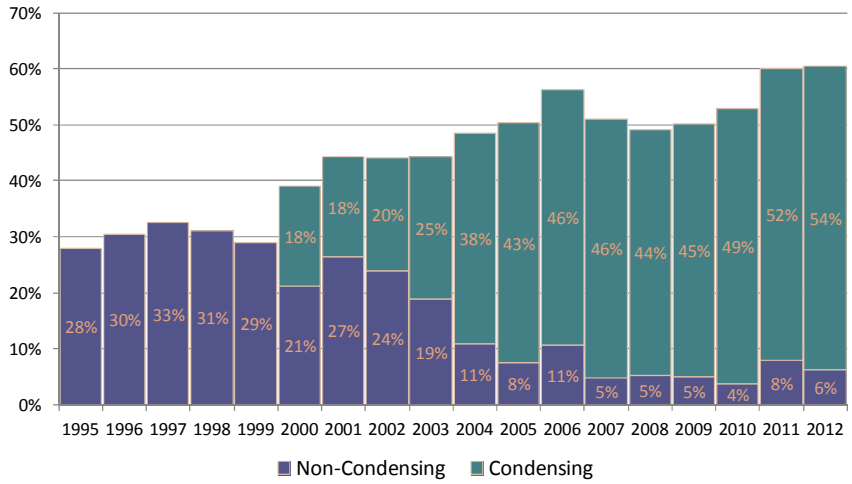

Figure 1.13d Installation Rates of Natural Gas Heating System Replacements

Figure 1.13d shows the transition to condensing (90+ efficiency) furnaces from non-condensing (80% efficiency) heating systems. Overall, 60% of dwellings with natural gas heating received a heating system replacement during 2012, with the vast majority of these being condensing units.

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AVERAGE COSTS OF MAJOR MEASURES BY AGENCY

Figures 1.14-1.17 show the agency-specific average costs for ceiling, wall, and floor/crawlspace insulation and furnace replacements for the overall program and for utility-funded measures only. These costs represent the total expenditures for these measures averaged over the number of households that received the measure (as opposed to an average across all households that were treated by the agency).

CEILING AND ATTIC INSULATION EXPENDITURES

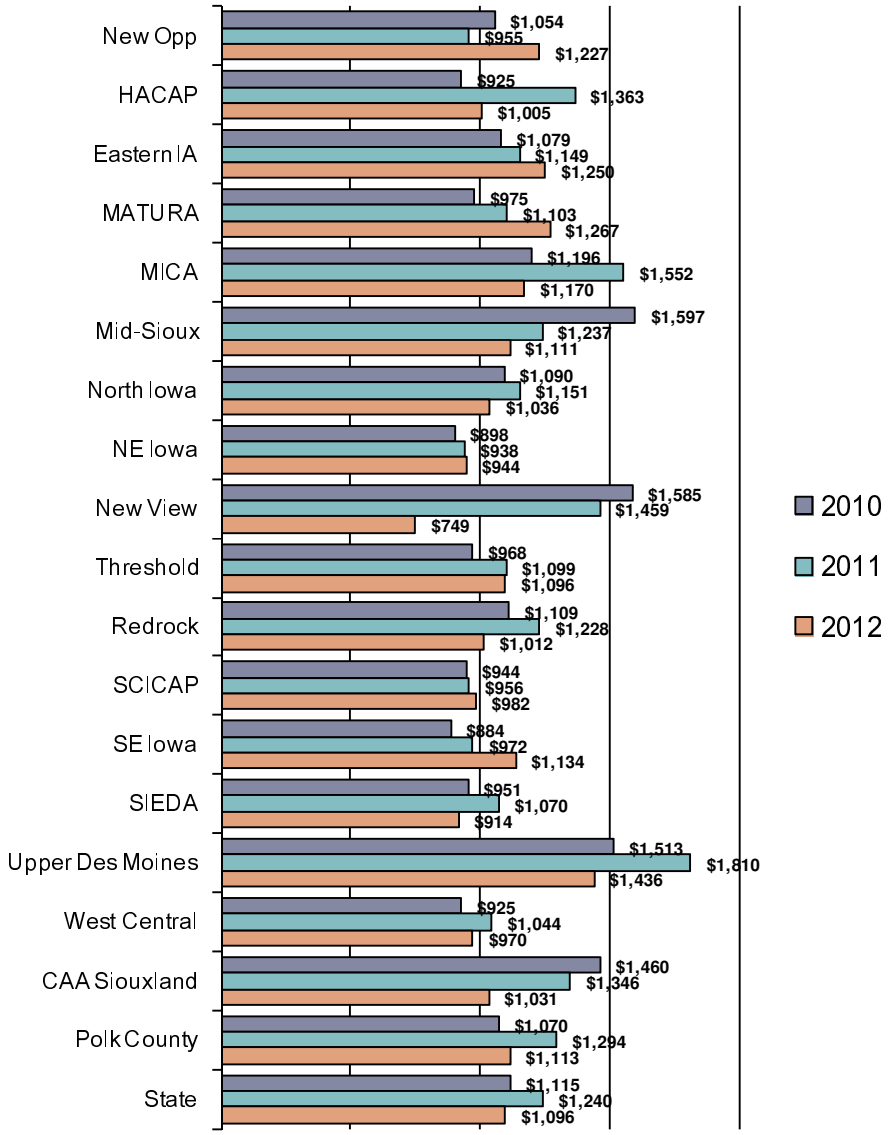

Figure 1.14a Average Program Expenditures on Ceiling Insulation by Agency

Figures 1.14a and 1.14b show the average installed costs for ceiling and attic insulation (including cavity-fill blown attic insulation). The statewide average cost for ceiling insulation was $1,096 in 2012.

Upper Des Moines reported the highest average expenditure at $1,436 per dwelling. The lowest average spending was reported by New View, averaging $749.

Figure 1.14b shows the statewide average expenditure of utility funds on ceiling and attic insulation was $875 in 2012. Upper Des Moines and Mid-Sioux reported the highest expenditures, at $1,105 and $1,094, respectively. New View, SCICAP, and West Central reported the spending less than $700 in utility funds for ceiling and attic insulation.

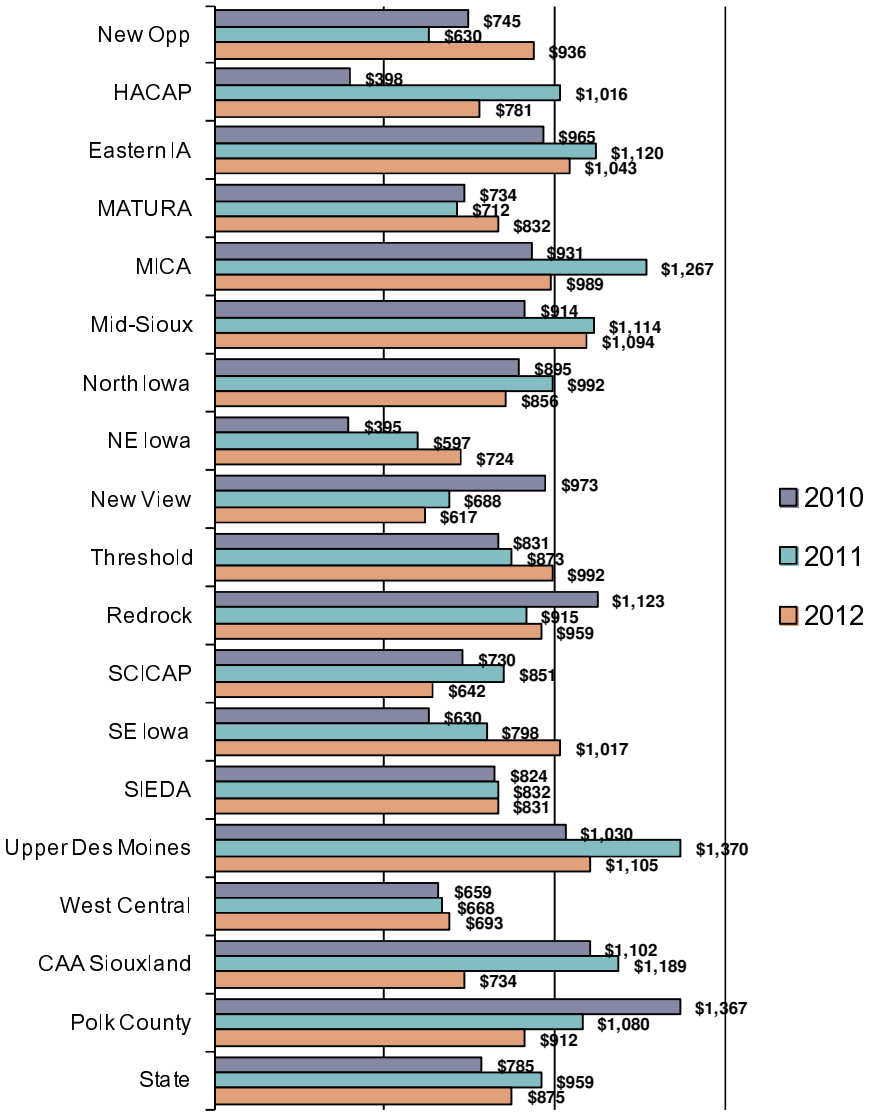

Figure 1.14b Average Utility Expenditures on Ceiling Insulation by Agency

WALL INSULATION EXPENDITURES

Figures 1.15a and 1.15b show the average installed costs for wall insulation. The overall average expenditure for wall insulation increased to $1,587 in CY 2012. HACAP reported the highest average expenditures at $2,274. SCICAP spent the least, averaging $951 per dwelling.

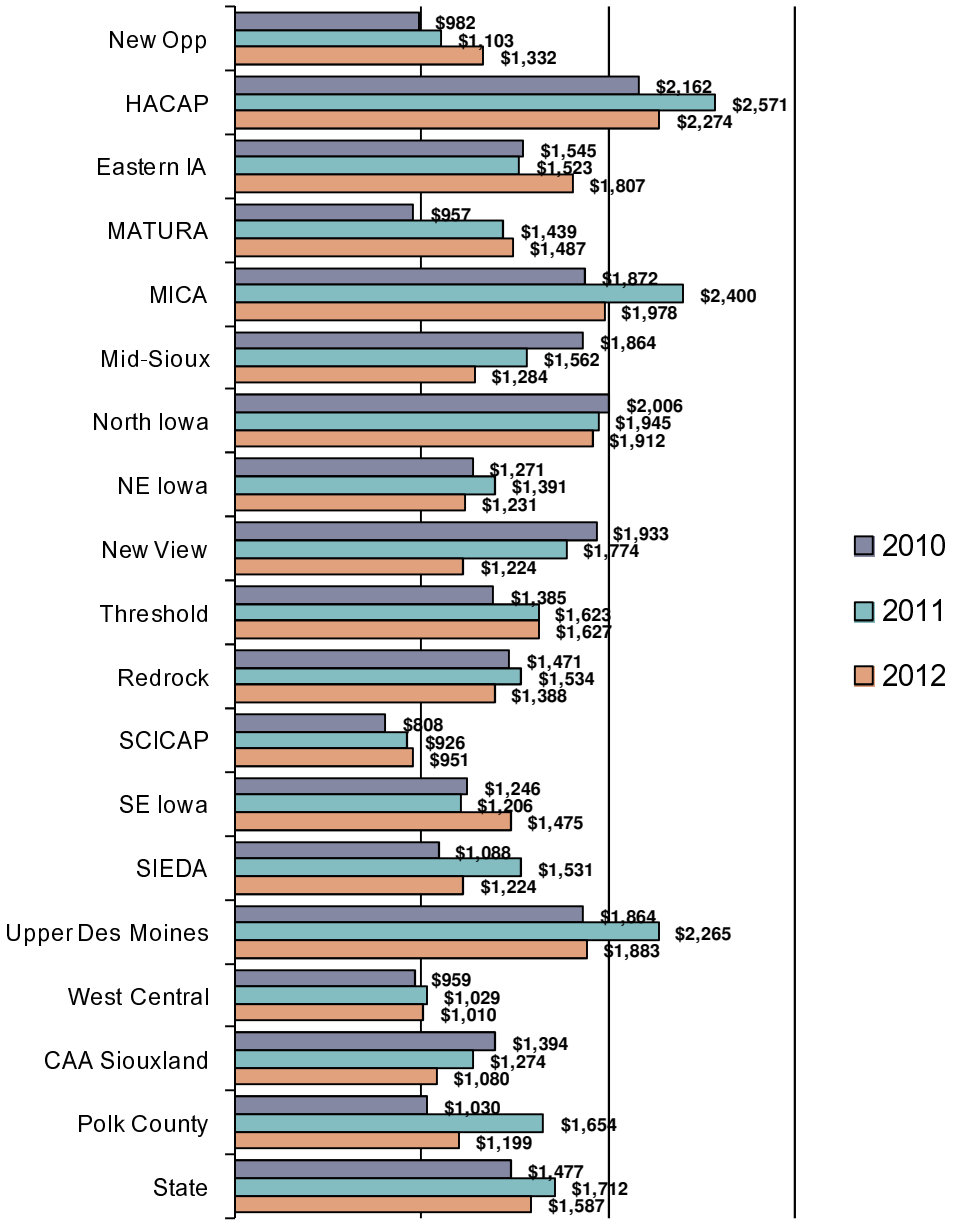

Figure 1.15a Average Program Expenditures on Wall Insulation by Agency

Statewide, the average expenditures for utility-funded wall insulation averaged $1,304 in CY 2012. MICA reported spending the most, averaging $1,646; SCICAP, Northeast Iowa, and West Central spent less than $900 per dwelling.

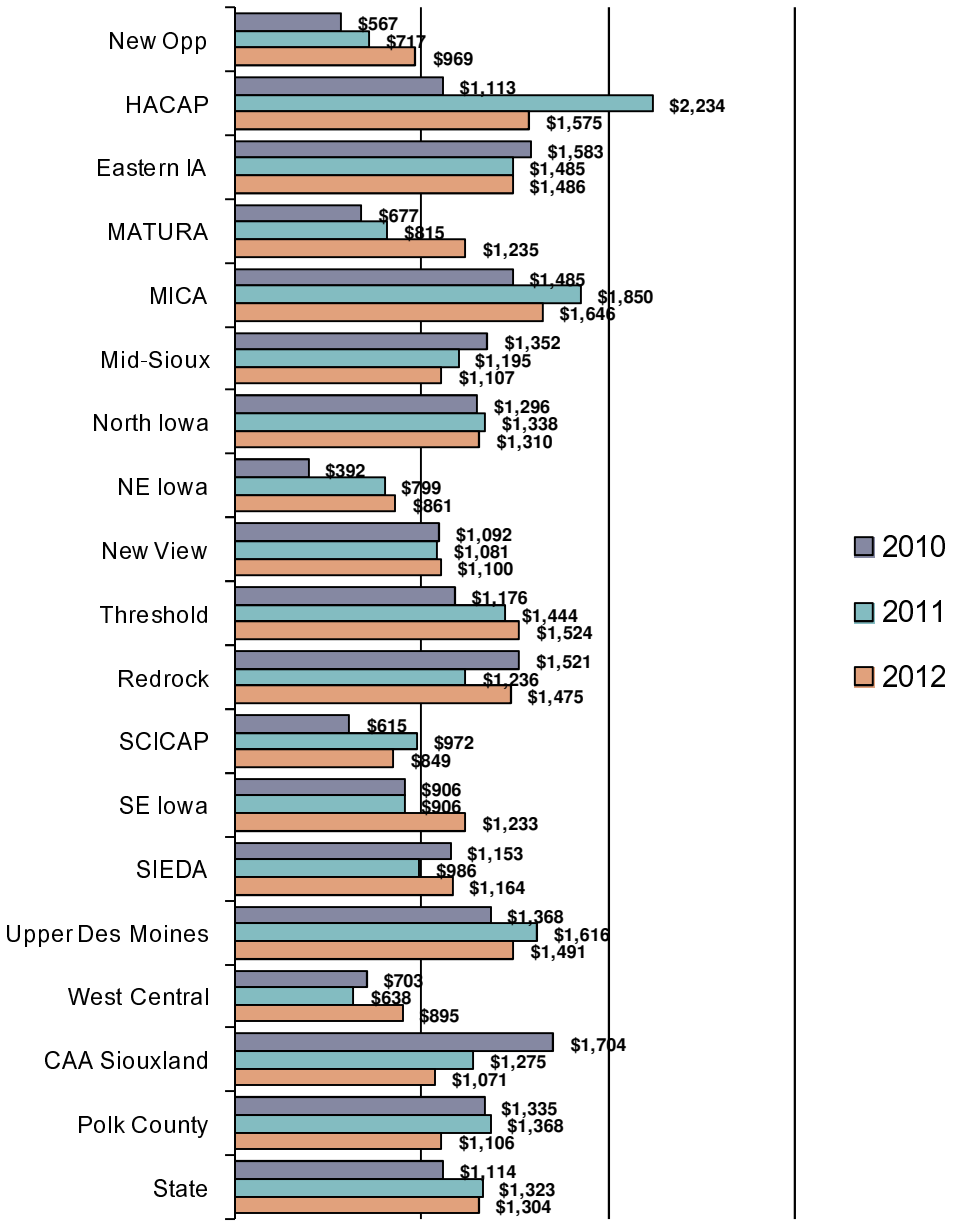

Figure 1.15b Average Utility Expenditures on Wall Insulation by Agency

FLOOR/CRAWLSPACE INSULATION

Figures 1.16a and 1.16b show the average expenditures for floor/crawlspace insulation. Statewide, the cost for floor/crawlspace insulation averaged $725. The highest average expenditures, $1,191, were reported by Threshold. West Central spent the least, averaging $293.

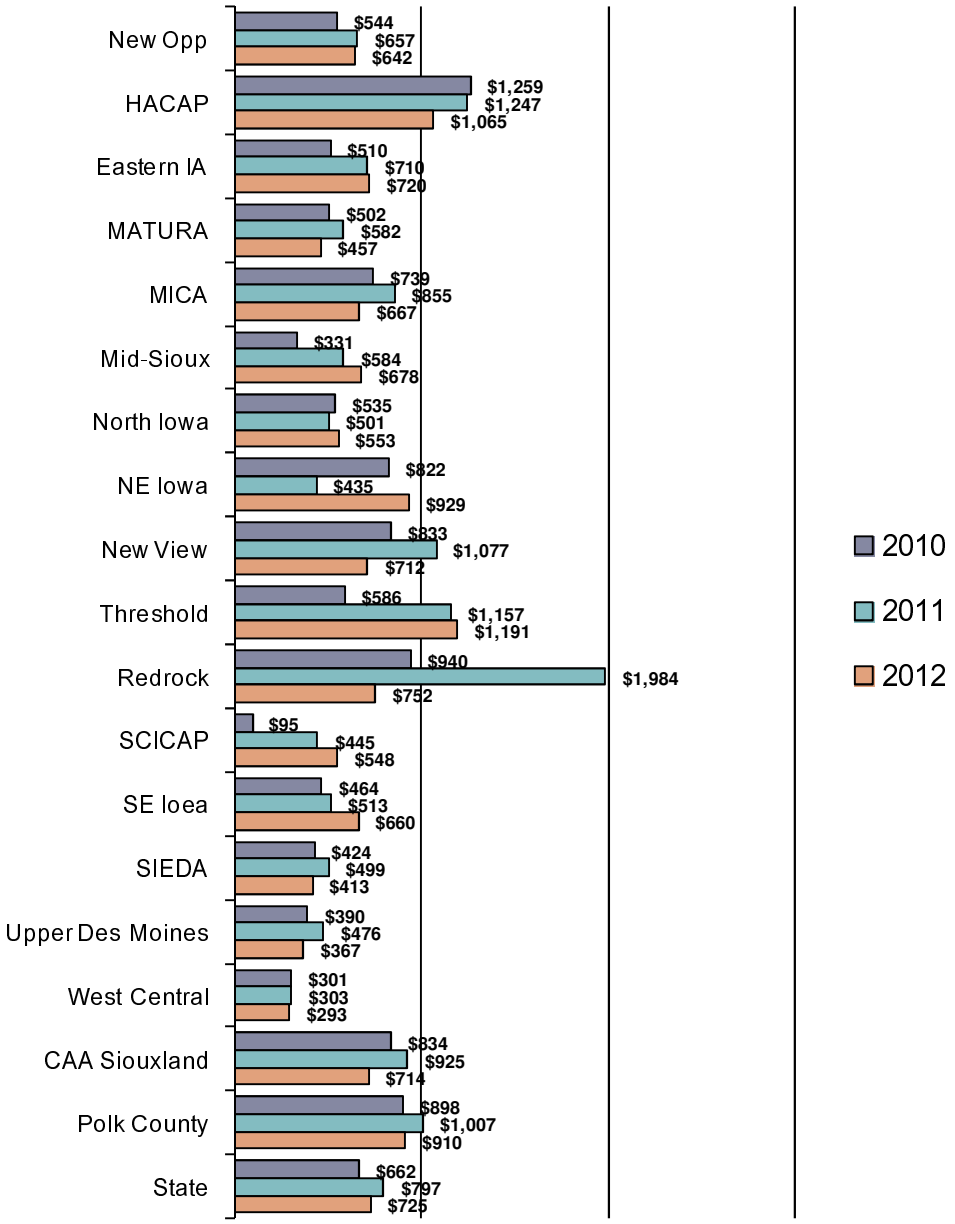

Figure 1.16a Average Program Expenditures on Floor/Crawlspace Insulation by Agency

Statewide, the average expenditure of utility funds for floor/crawlspace insulation was $591. Polk County spent the most, averaging $966 while West Central spent the least at $234.

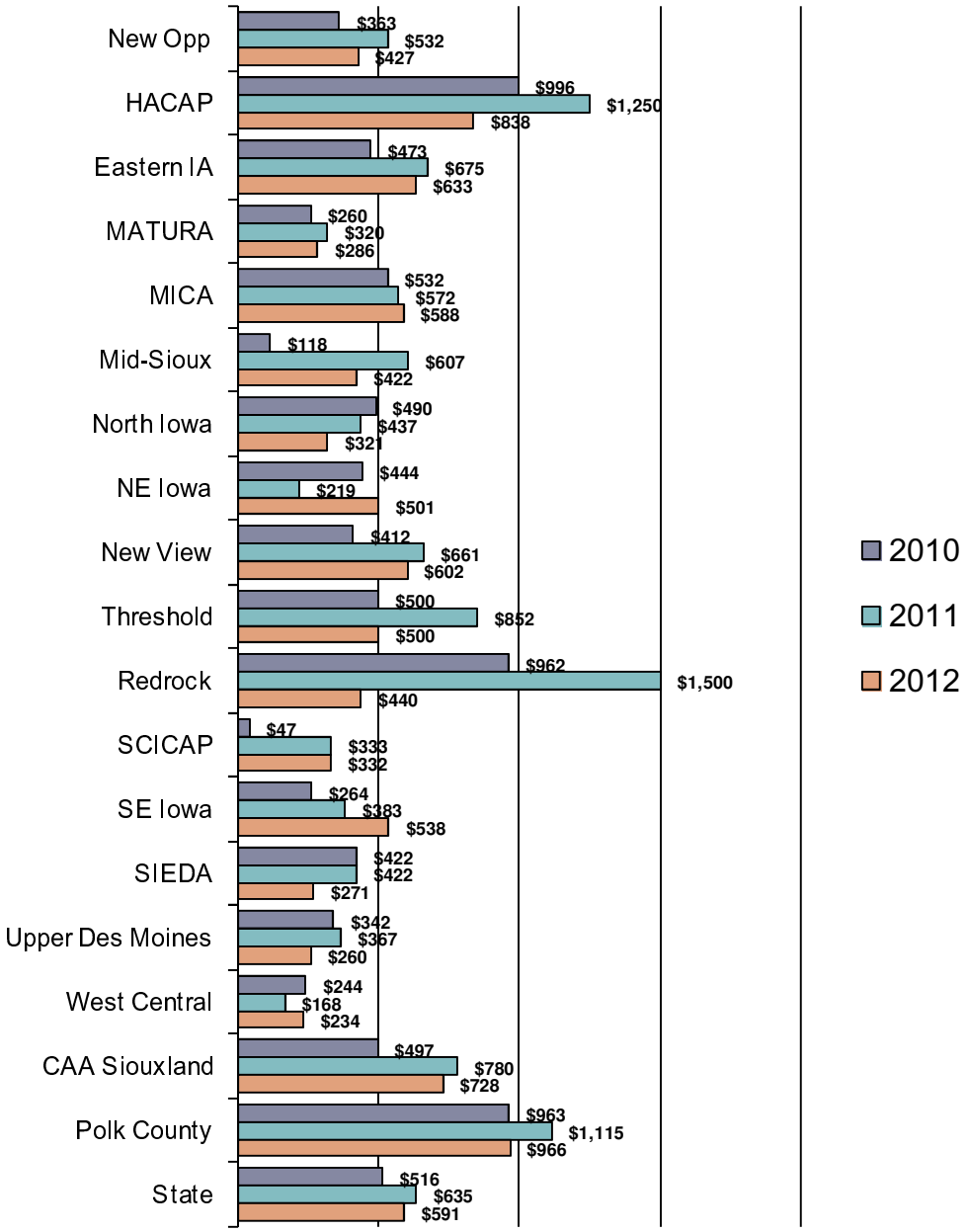

Figure 1.16b Average Utility Expenditures on Floor/Crawlspace Insulation by Agency

NON-ELECTRIC HEATING SYSTEM REPLACEMENT EXPENDITURES

Figures 1.17a and 1.17b show average expenditures for all heating non-electric heating system replacements. Statewide average heating system replacement costs were $2,441 in 2012 (Figure 1.17a). Four agencies reported average expenditures approaching or exceeding $3,000, including West Central ($3,362), SIEDA ($3,131), Upper Des Moines ($2,996), and Eastern Iowa ($2,992). Two agencies averaged less than $1,800 for furnace replacements, including Threshold ($1,761), and Northeast Iowa ($1,750).

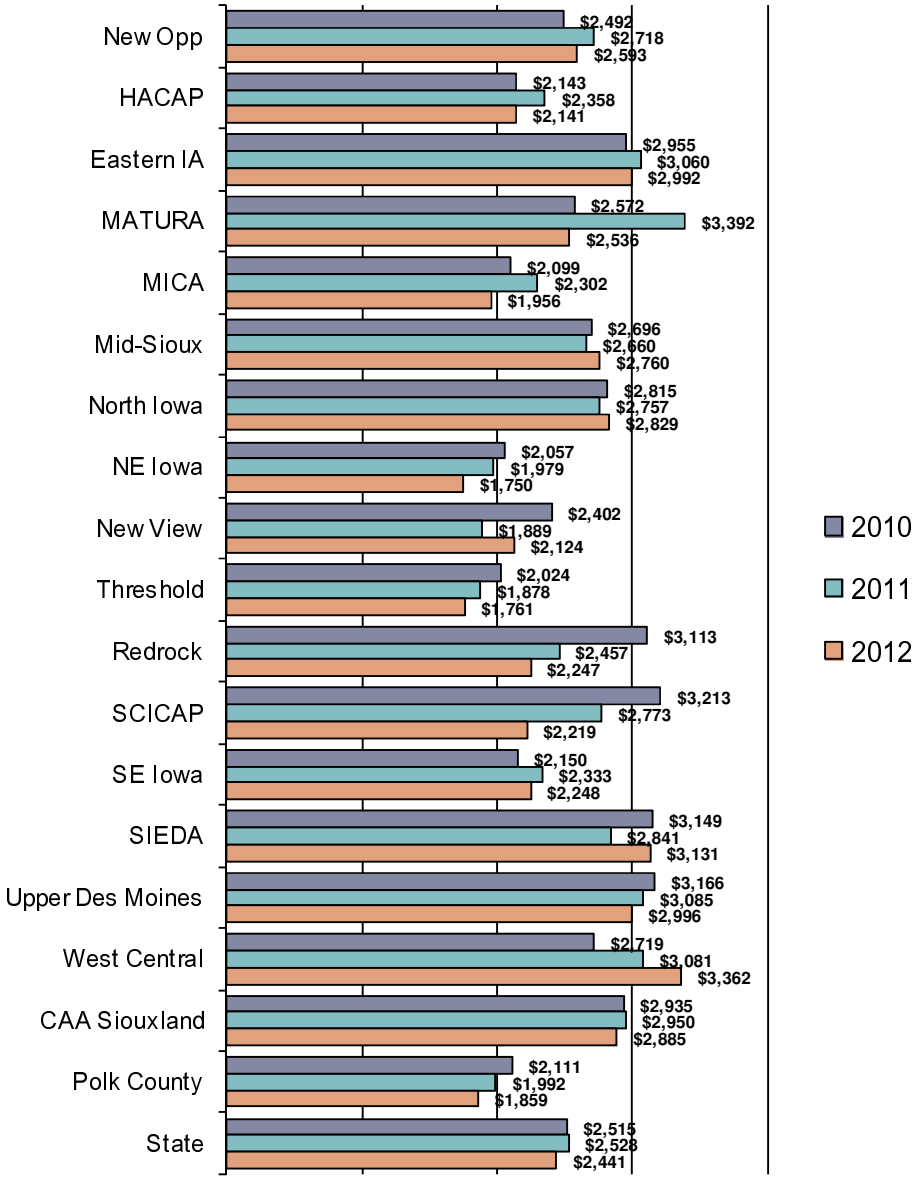

Figure 1.17a Average Program Expenditures on Heating System Replacements by Agency

Figure 1.17b shows the average utility funding for replacement heating systems of $2,041 statewide. West Central ($2,741) and SIEDA ($2,634) averaged more than $2,600 in expenditures. NE Iowa spent the least, at $1,400 per housing unit.

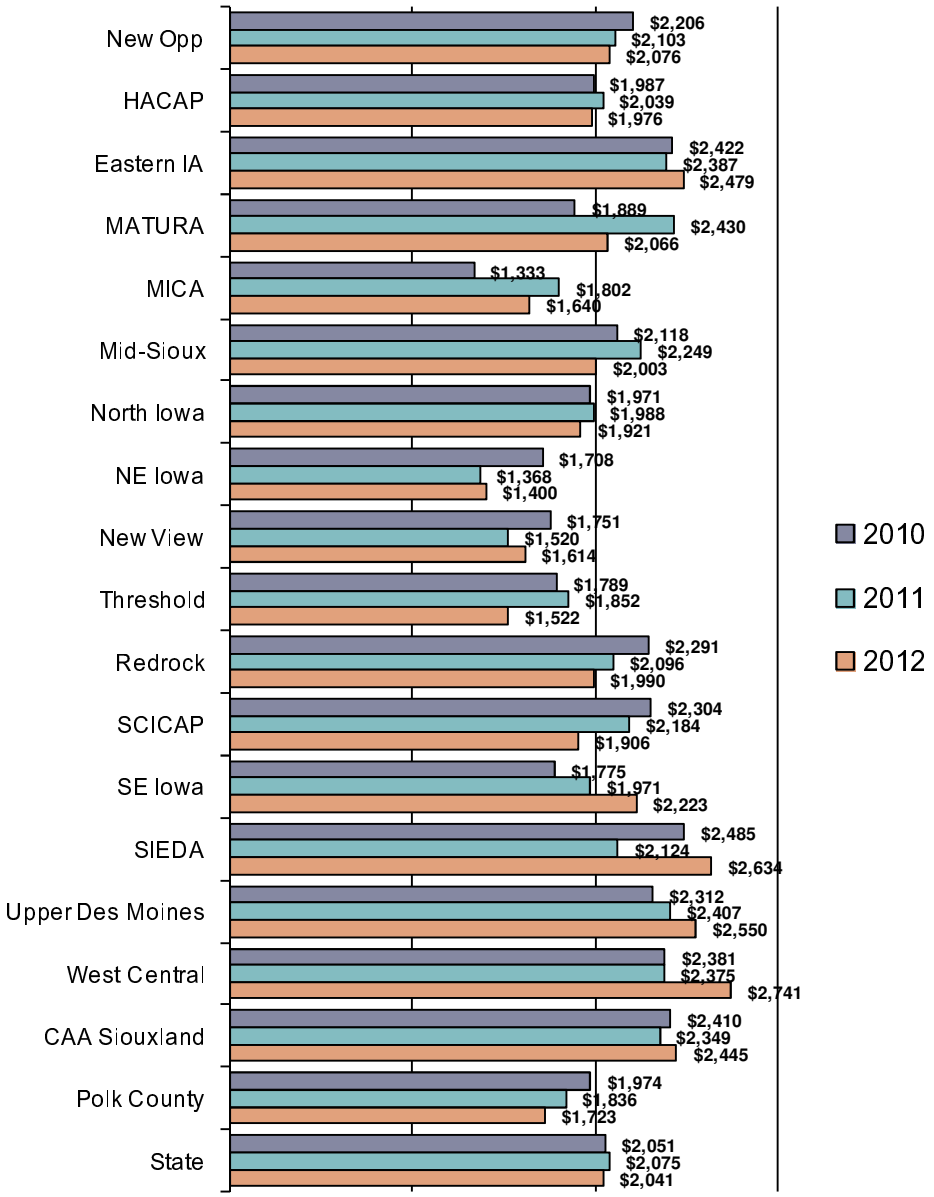

Figure 1.17b Average Utility Expenditures on Heating System Replacements by Agency

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2. FUEL CONSUMPTION ANALYSIS

Savings were estimated for all clients based upon measures installed in each dwelling, using algorithms developed in prior studies of the Iowa low-income program. The fuel consumption analysis provides adjustment factors to the estimated impacts, with gas adjustments applied to estimates of natural gas, propane, and fuel oil heating impacts.

STUDY SAMPLE AND METHODOLOGY

Weatherization jobs completed from January 1, 2012 through December 31, 2012 comprised our treatment group.

We used a comparison group to adjust for non-weatherization program factors that affect fuel usage, including but not limited to fuel price shocks, naturally-occurring conservation, and participation in other energy programs. Our comparison group consisted of all LIHEAP clients who were natural gas customers of the SLICE utilities and who applied for energy assistance from October, 2012 through March, 2013. In order to assess a change in consumption for the comparison group, we established a pseudo-treatment period for each comparison group household by assigning the same period as that of a randomly selected household from the treatment group. The energy consumption tends to be lower for this group – consequently we weighted each comparison group dwelling in five usage bins so that our consumption of the weighted comparison group was similar to our treatment group.

Estimated readings were combined with subsequent actual readings. Phone/postcard readings and final or corrected readings were considered actual readings. Reading codes not corresponding to actual readings were considered estimated.

The weatherization period was defined as beginning with the audit date and ending with the date the dwelling was reported as complete. We truncated the usage data to a period of no more than to 390 days prior to the beginning of the weatherization period, and up to 390 days following end of the weatherization period.

Fuel consumption was weather-normalized using weather data from the same ten weather zones (Figure 2.1). Our long-term normal weather datasets are comprised of the 20-year period ending in Dec, 2009.

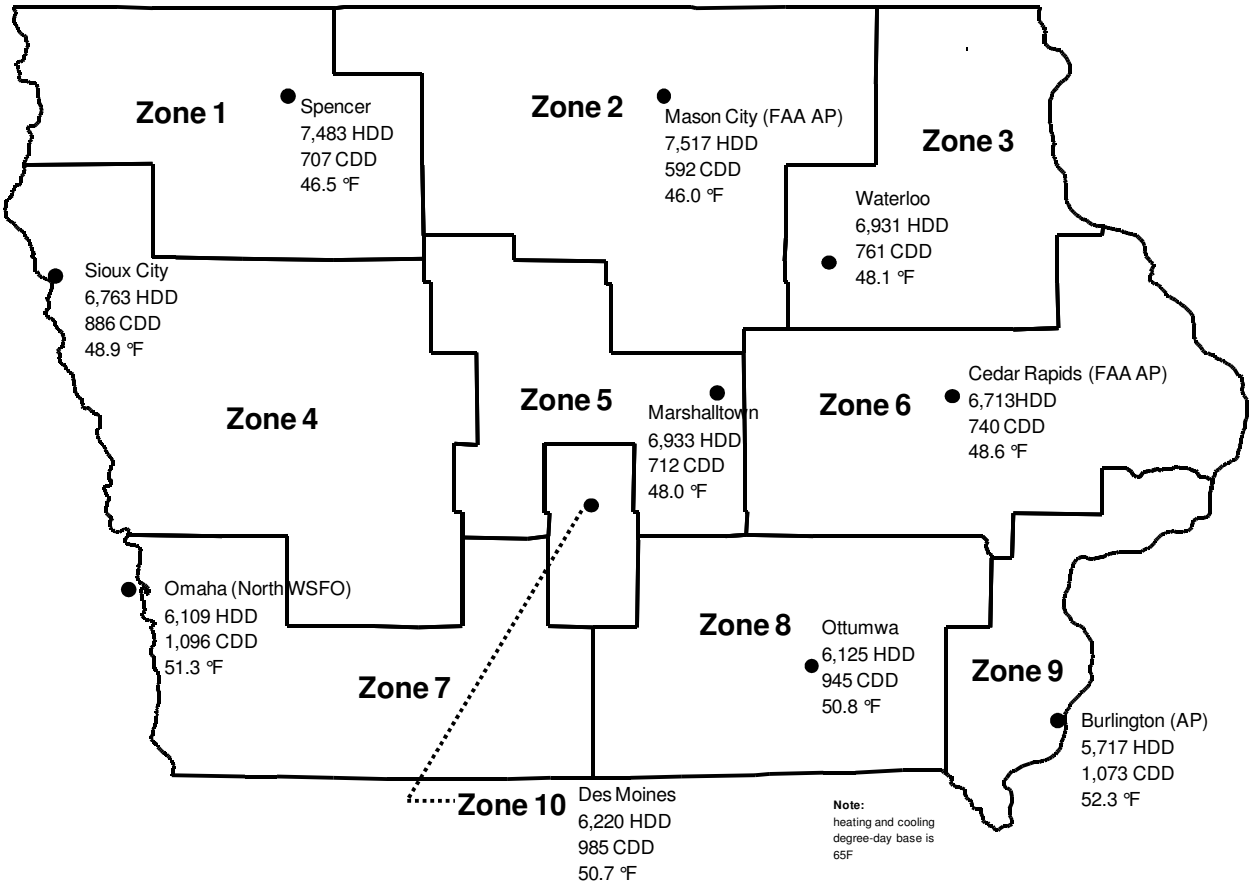

Figure 2.1. Weather zones used in the weather-normalization

MODEL SELECTION

We investigated impacts using five model specifications for each dwelling:

- Heating/Baseload (gas and electricity)
  - HB using floating point reference temperatures ranging between 40˚F to 70˚F
  - HBF using fixed reference temperatures of 62˚F for natural gas and 58˚F for electricity
- Cooling/Baseload (electricity only)
  - CB using floating point reference temperatures ranging between 60˚F to 80˚F
  - CBF using fixed reference temperatures of 68˚F
- Heating only (gas only)
  - HO using floating point reference temperatures ranging between 40˚F and 70˚F
  - HOF using fixed reference temperatures of 62˚F

- Heating/Cooling/Baseload (electricity only)
  - Heating floating point reference temperatures ranging between 40˚F and 70˚F
  - Cooling floating point reference temperatures ranging between 60˚F and 80˚F
  - HCF using fixed reference temperatures of 58˚F for heating and 68˚F for cooling
- BO Baseload (electricity and gas, but no gas models passed the selection process)
  - flat usage, requiring 8 ½ months of data

The models passing the usability criteria (as described in the following section) were evaluated using the Prediction Sum of Squares (PRESS) measure to determine the model with the best fit. The PRESS statistic was developed in 1974 as a method of cross-validating models with relatively small numbers of observations, whereby a model is fit against a subset of the data by dropping an observation, and the resulting model is used to predict the values for removed observation. This procedure is repeated for each observation in the data, and the square of the difference between the predicted value and the actual value are totaled. This total is the PRESS value.

The PRESS measurement is performed on all models: the model with the lowest PRESS value is selected.

In practice, we utilized a modified approach for models with floating reference temperatures. A strict conformance with the PRESS measure would require that the floating reference temperature be assessed for each fit of the model when an observation is removed. The full implementation would have resulted in literally hundreds of thousands of additional regressions, and time constraints prevented us from performing this level of assessment. Our alternative specification used the reference temperature as determined in the base model for fitting models in our PRESS calculations.

We have compared the results of models selected using the PRESS method with to those selected using R^2 and cvNAC screens and found that the mean normalized consumption compared similarly for most models, and in most cases the PRESS-selected model was the simpler specification. We reviewed cases with the greatest differences in the normalized consumption between the PRESS-selected models and alternative screens, and determined that the PRESS models provided a more reasonable representation of the usage in these cases.

ATTRITION ANALYSIS – GAS

We requested data for 2,272 weatherization client dwellings with gas heating and 56,635 LIHEAP client dwellings for our comparison group (also with gas heating). Our final analytic dataset included 1,350 weatherization client dwellings and 31,477 comparison dwellings, resulting in overall attrition rates of 40.6% and 44.4% for the treatment and comparison groups, respectively.

Three levels of screens were used, including:

1) Insufficient usage history or usage characteristics
2) Poor model diagnostics
3) Poor model reliability

SCREENS FOR POOR MODEL DIAGNOSTICS

Models were dropped if:

- the coefficient of variation exceeded 0.1
- negative values for adjusted r^2

SCREENS FOR POOR MODEL RELIABILITY

Models were dropped if:

- the normalized annual heating consumption, heating slope, or baseload components were negative
- Minimal requirements for specific model types:
  - Heating models require usage during periods representing at least 50% of the annual heating days
  - Baseload models required 8.5 months of consumption
- The normalized annual consumption was within 10% of the results for alternate model specifications where multiple models met other criteria

ATTRITION RATES

Table 2.1 provides a breakout of the attrition rates for the state and the utilities.

Table 2.1 Gas Analysis Sample Attrition

		State		IPL		BHC		MAE	
		Trt	Cmpr	Trt	Cmpr	Trt	Cmpr	Trt	Cmpr
Return Rate	Requested	2,272	56,635	698	16,191	320	9,625	1,254	30,819
Useable Histories	Pre Count	1,903	44,810	641	11,669	295	8,733	967	24,408
	Pre Percentage	83.8%	79.1%	91.8%	72.1%	92.2%	90.7%	77.1%	79.2%
	Post Count	1,825	48,125	568	14,965	288	8,582	969	24,578
	Post Percentage	80.3%	85.0%	81.4%	92.4%	90.0%	89.2%	77.3%	79.7%
	Both Pre and Pst Cnt	1,815	44,533	563	11,578	285	8,560	967	24,395
	Both Pre and Pst Pct	79.9%	78.6%	80.7%	71.5%	89.1%	88.9%	77.1%	79.2%
Passed Model Diagnostics	Pre Count	1,899	44,443	639	11,435	294	8,711	966	24,297
	Pre Percentage	83.6%	78.5%	91.5%	70.6%	91.9%	90.5%	77.0%	78.8%
	Post Count	1,813	48,004	558	14,865	286	8,563	969	24,576
	Post Percentage	79.8%	84.8%	79.9%	91.8%	89.4%	89.0%	77.3%	79.7%
	Both Pre and Pst Cnt	1,800	44,120	551	11,306	283	8,531	966	24,283
	Both Pre and Pst Pct	79.2%	77.9%	78.9%	69.8%	88.4%	88.6%	77.0%	78.8%
Passed Reliability Screens	Pre Count	1,751	39,058	579	9,532	263	7,479	909	22,047
	Pre Percentage	77.1%	69.0%	83.0%	58.9%	82.2%	77.7%	72.5%	71.5%
	Post Count	1,459	37,615	387	10,579	225	6,480	847	20,556
	Post Percentage	64.2%	66.4%	55.4%	65.3%	70.3%	67.3%	67.5%	66.7%
	Both Pre and Pst Cnt	1,350	31,477	353	7,074	201	5,719	796	18,684
	Both Pre and Pst Pct	59.4%	55.6%	50.6%	43.7%	62.8%	59.4%	63.5%	60.6%

The utilities returned useable data for 80% of the treatment client dwellings and 85% for the comparison group (LIHEAP) clients.

Approximately 1% of dwellings useable histories dropped due to failure of one or more of the model diagnostic criteria. Model reliability screens dropped accounted for 20 to 22% attrition. Ultimately, 59% of the requested treatment group clients and 56% of the comparison group clients had usage data suitable for the billing analysis.

Table 2.2 provides a the attrition analysis broken out by housing type. Overall, 62% of single family site-built dwellings were useable, and 58% of mobile homes from the treatment group were passed reliability screens. Essentially no data was returned for the few multi-family dwellings weatherized by the program.

Table 2.2 Gas Attrition by Housing Type

		State		IPL		BHC		MAE	
		Trt	Cmpr	Trt	Cmpr	Trt	Cmpr	Trt	Cmpr
Single Family Detached Framed Dwellings									
Requested		1,972	45,603	635	13,343	294	7,964	1,043	24,296
Passed Model Diagnostics	Both Pre and Pst Cnt	1,592	36,544	500	9,697	262	7,062	830	19,785
	Both Pre and Pst Pct	80.7%	80.1%	78.7%	72.7%	89.1%	88.7%	79.6%	81.4%
Passed Reliability Screens	Both Pre and Pst Cnt	1,212	26,743	326	6,157	189	4,851	697	15,735
	Both Pre and Pst Pct	61.5%	58.6%	51.3%	46.1%	64.3%	60.9%	66.8%	64.8%
Mobile Homes									
Requested		231	2,936	50	889	23	432	158	1,615
Passed Model Diagnostics	Both Pre and Pst Cnt	186	2,199	45	577	21	367	120	1,255
	Both Pre and Pst Pct	80.5%	74.9%	90.0%	64.9%	91.3%	85.0%	75.9%	77.7%
Passed Reliability Screens	Both Pre and Pst Cnt	134	1,557	25	366	12	223	97	968
	Both Pre and Pst Pct	58.0%	53.0%	50.0%	41.2%	52.2%	51.6%	61.4%	59.9%
Multi-Family									
Requested		69	8,096	13	1,959	3	1,229	53	4,908
Passed Model Diagnostics	Both Pre and Pst Cnt	22	5,377	6	1,032	-	1,102	16	3,243
	Both Pre and Pst Pct	1.1%	11.8%	46.2%	52.7%	0.0%	89.7%	30.2%	66.1%
Passed Reliability Screens	Both Pre and Pst Cnt	4	3,177	2	551	-	645	2	1,981
	Both Pre and Pst Pct	0.2%	7.0%	15.4%	28.1%	0.0%	52.5%	3.8%	40.4%

OUTLIERS

An outlier screen was then applied to models with reliable pre and post usage data. Results were flagged as outliers in cases where the absolute value of the median was greater than 2.5 times the inter-quartile range for pre treatment consumption and percentage savings.

The outlier screen dropped approximately 2% of treatment group observations with pre and post savings models.

GAS IMPACT ANALYSIS

Our results are summarized in Table 2.3. The agency-specific results are summarized on each line, with the overall program impacts summarized on the bottom line. The column labeled 'Population' provides the count of all dwellings with natural gas heating that were treated by the weatherization program during the calendar year. The treatment group columns indicate the number of dwellings in our screened analysis dataset ('n'), the weather-normalized annual consumption prior to weatherization ('Baseline' consumption), the 90% confidence interval on the baseline consumption (interpreted as the variation from baseline for which we are 90% certain that the true mean value of the baseline consumption falls within), the unadjusted savings ('Savings') and the 90% confidence interval on the savings.

The low-income energy assistance (LIHEAP) population provided the comparison group. We selected five comparison group dwellings with the nearest baseline consumption for each weatherized dwelling.

The next section of Table 2.3 (shaded) provides the net savings by agency, including average savings and percentage savings.

The rightmost section summarizes the average estimated savings which were developed using dwelling-specific measure data as well as a comparison between the estimated and observed savings, termed the realization rate. The realization rate is defined as the ratio of observed savings to estimated savings. Our final agency-specific results are developed by applying this ratio to the estimated savings for all dwellings with non-electric heating.

The overall adjusted savings (reported under the Net Savings column) averaged 256 therms for single family site-built dwellings. The 90% confidence interval was 11 therms, meaning that we are 90% certain that the true population mean savings falls in the range of 247 and 265 therms. The overall mean percent savings was 24.5%, with a 0.9% confidence interval.

Net gas savings for mobile homes averaged 149 therms ± 23 therms. The overall percentage savings for mobile homes was 18.8%, with a 2.6% confidence interval.

Table 2.3 Gas Fuel Consumption Analysis Results

	Population	Treatment Group					Comparison Group											
	n (with gas heating source)	n	Baseline Cons. (therms)	90% CI	Savings (therms)	90% CI	n	Baseline Cons. (therms)	90% CI	Savings (therms)	90% CI	Net Savings (therms)	90% CI	Percent Savings (%)	90% CI	Estimated Savings	90% CI	Realization Rate (%)
Single Family Detached Framed Dwelling Results																		
New Opportunities	57	34	1,007	93	285	57	133	910	38	-2	16	287	59	27.4%	5.1%	285	33	100.7%
HACAP	222	120	844	48	216	30	520	828	22	4	8	212	31	23.4%	2.7%	198	18	107.3%
Eastern IA	186	100	1,093	55	321	38	420	1,062	26	25	12	296	40	26.1%	2.7%	288	24	102.7%
MATURA	32	9	1,208	83	518	89	32	1,188	46	9	43	509	99	43.1%	8.1%	303	68	168.0%
MICA	125	64	1,055	78	331	49	242	967	34	23	12	309	51	27.7%	3.7%	267	25	115.5%
Mid-Sioux	63	31	969	112	189	82	120	824	42	-21	15	210	83	18.6%	7.8%	247	41	85.2%
North Iowa	178	113	909	31	265	27	426	903	17	15	8	249	28	26.6%	2.5%	321	16	77.8%
NE Iowa	78	42	999	88	218	63	175	939	37	11	14	207	65	18.3%	5.0%	210	27	98.7%
New View	61	39	955	89	159	59	173	912	35	15	15	144	60	12.2%	5.1%	170	32	84.5%
Threshold	173	111	984	46	263	32	427	956	23	17	11	246	34	23.5%	2.8%	216	18	113.6%
Redrock	45	25	900	117	271	78	125	901	51	34	20	237	80	24.1%	6.9%	202	46	116.9%
SCICAP	41	27	914	91	310	55	83	849	45	23	19	288	58	32.1%	5.8%	219	32	131.6%
SE Iowa	164	49	1,090	70	377	45	163	1,027	40	25	14	352	47	32.3%	3.6%	336	33	104.9%
SIEDA[1]	66	36	1,057	114	341	72	158	956	40	4	17	337	74	30.5%	5.8%	288	50	116.8%
Upper Des Moines	153	82	918	51	227	32	363	905	22	-23	10	250	34	25.3%	3.2%	255	22	98.0%
West Central	127	86	890	50	173	31	366	855	23	13	9	160	32	17.9%	3.1%	175	19	91.3%
CAA Siouxland	114	78	1,039	63	271	47	318	982	29	9	12	262	48	23.3%	3.5%	237	23	110.8%
Polk County	202	144	1,047	41	274	26	563	1,002	20	14	9	260	27	24.5%	2.2%	265	21	98.1%
Overall	2,087	1,198	984	15	266	10	4,757	931	7	10	3	256	11	24.5%	0.9%	253	6	102.5%
Mobile Homes Results (entire state)																		
Overall	243	130	767	31	151	21	402	755	17	3	8	149	23	18.8%	2.6%	143	9	81.5%

Table 2.4 Fuel Consumption Analysis Results

	Percentage of Mobile Homes	
	Within Agency	State Overall
New Opportunities	1.0%	0.3%
HACAP	26.6%	36.8%
Eastern IA	9.1%	7.2%
MATURA	0.0%	0.0%
MICA	12.0%	7.2%
Mid-Sioux	1.2%	0.3%
North Iowa	2.0%	1.3%
NE Iowa	6.4%	3.3%
New View	18.9%	6.6%
Threshold	12.0%	8.2%
Redrock	7.4%	1.3%
SCICAP	2.4%	0.7%
SE Iowa	2.7%	1.6%
SIEDA1	13.4%	6.6%
Upper Des Moines	0.0%	0.0%
West Central	0.0%	0.0%
CAA Siouxland	4.8%	2.3%
Polk County	18.9%	16.1%

The average savings of 149 therms for mobile homes are significantly lower than the 256 therms observed for single family site-built dwellings. HACAP weatherized the highest percentage of mobile homes, both within the agency and for the state overall – nearly 27% of all dwellings weatherized by HACAP during 2012 were mobile homes, and these accounted for 37% of all of the mobile homes weatherized in the state (Table 2.4). New View and Polk Count also reported a high percentages of mobile home completions within their agency, of around 19%.

SAVINGS WITH RESPECT TO PRE-WEATHERIZATION USAGE

We plotted the relationship between the normalized annual consumption and the net savings for single family site-built dwellings (Figure 2.2). The upward trending regression line indicates the population-weighted fit between NAC and savings, and demonstrates savings in relation to baseline consumption.

The 90% confidence intervals of the average adjusted savings for each agency are shown in the error bars. Agencies with confidence intervals overlapping the regression line produced savings

consistent with the state overall for dwellings relative to the baseline consumption for those agencies. Agencies where the lower range of the confidence interval falls above the regression line indicate higher savings relative to pre-weatherization consumption than other agencies – North Iowa, SCICAP, and MATURA all meet this criterion. The savings for MATURA is particularly notable, however this result is based upon 9 buildings of 32 weatherized by MATURA that had gas heat, and even though this is a small number, the confidence intervals on baseline consumption and savings is within the ranges observed for other agencies .

The upper range of the confidence interval on savings fell below what was expected based upon the results of other agencies for New View and West Central.

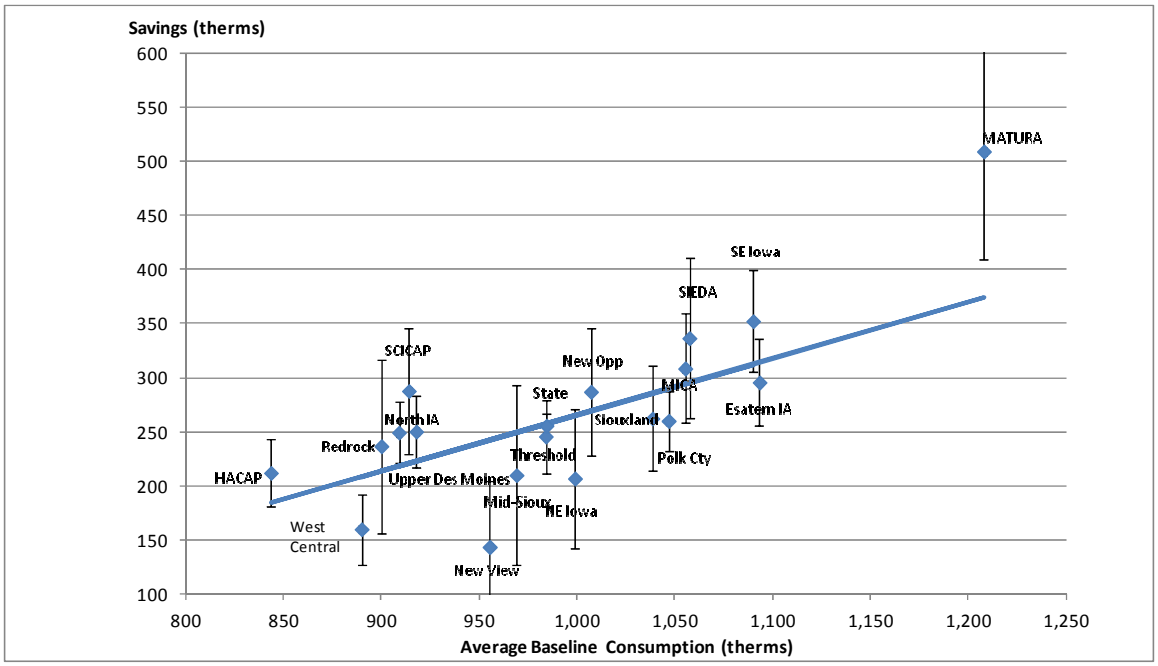

Figure 2.2 Savings in relation to the pre-weatherization normalized annual consumption (single family site-built dwellings).

Figure 2.3 provides another view of the savings with respect to baseline consumption. The plot shows a point for the savings for dwellings in our billing dataset, a regression line through all points, and an assessment of the percentage savings as determined by this regression line (shown by the curved line). The chart provides confirmation that absolute savings increase as higher-consumption dwellings are targeted. Percent savings increases significantly as baseline consumption increases at the lower range, and less so at higher ranges as the curve flattens out.

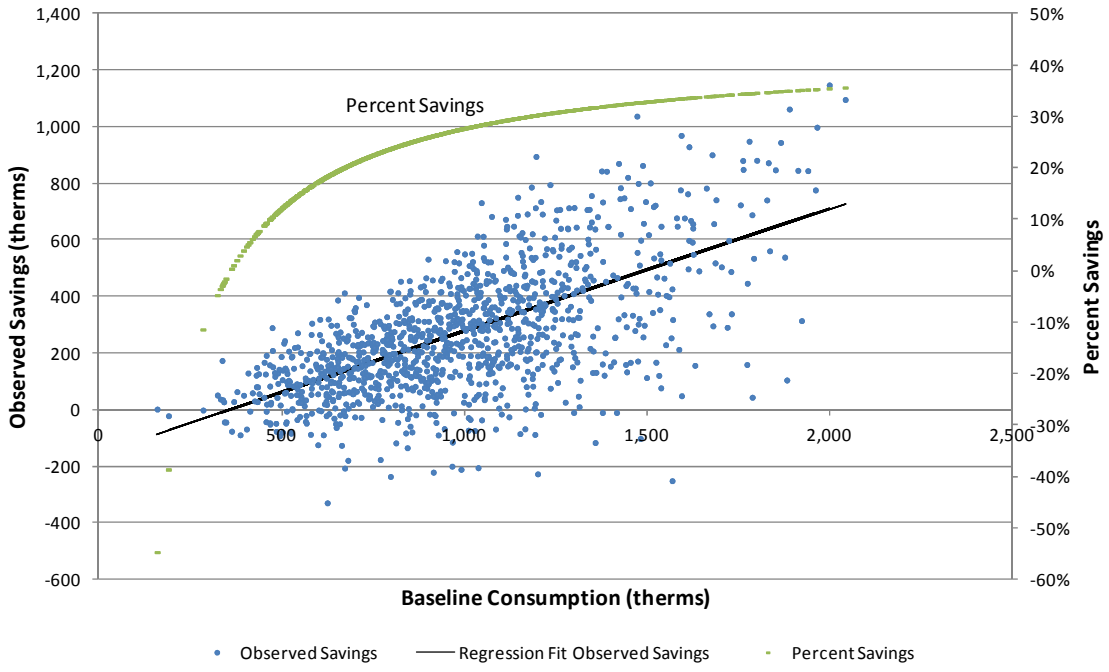

Figure 2.3. Relationship between baseline consumption, savings, and percentage savings

TRENDS IN BASELINE CONSUMPTION AND ENERGY SAVINGS

Figure 2.4 provides a yearly summary of baseline consumption, savings, and percentage savings for billing analyses conducted since the calendar year 1998 program. The treatment group normalized annual consumption approached 1,394 therms per site-built dwelling in the CY 1998 program. Baseline consumption has declined by 29% since then, to 984 in CY 2012. Net savings has declined over the same period, however percentage savings has remained in the 23% to 26% range (24.5% in the 2012 program).

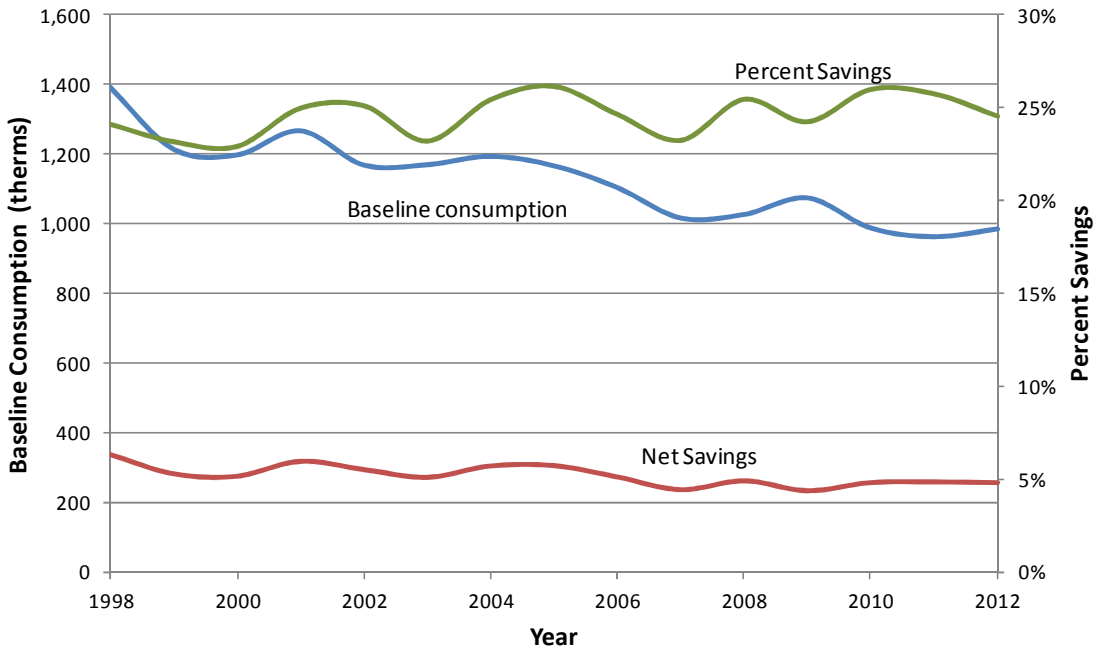

Figure 2.4 Annual Baseline Consumption, Savings, and Percentage Savings

ATTRITION ANALYSIS – ELECTRICITY

We requested data for 2,351 weatherization client dwellings with gas heating and 68,021 LIHEAP client dwellings for our comparison group. Our final analytic dataset included 1,255 weatherization client dwellings and 31,293 comparison dwellings, resulting in overall attrition rates of 46.6% and 54% for the treatment and comparison groups, respectively.

Table 2.5 Electricity Analysis Sample Attrition

		State		IPL		MAE	
		Trt	Cmpr	Trt	Cmpr	Trt	Cmpr
Return Rate	Requested	2,351	68,021	1,237	32,339	1,114	35,682
Useable Histories	Pre Count	2,036	53,604	1,105	23,586	931	30,018
	Pre Percentage	86.6%	78.8%	89.3%	72.9%	83.6%	84.1%
	Post Count	1,951	60,879	1,019	30,662	932	30,217
	Post Percentage	83.0%	89.5%	82.4%	94.8%	83.7%	84.7%
	Both Pre and Pst Cnt	1,924	53,342	993	23,327	931	30,015
	Both Pre and Pst Pct	81.8%	78.4%	80.3%	72.1%	83.6%	84.1%
Passed Model Diagnostics	Pre Count	2,032	53,012	1,101	23,105	931	29,907
	Pre Percentage	86.4%	77.9%	89.0%	71.4%	83.6%	83.8%
	Post Count	1,937	60,620	1,005	30,405	932	30,215
	Post Percentage	82.4%	89.1%	81.2%	94.0%	83.7%	84.7%
	Both Pre and Pst Cnt	1,908	52,634	977	22,730	931	29,904
	Both Pre and Pst Pct	81.2%	77.4%	79.0%	70.3%	83.6%	83.8%
Passed Reliability Screens	Pre Count	1,846	44,500	971	19,303	875	25,197
	Pre Percentage	78.5%	65.4%	78.5%	59.7%	78.5%	70.6%
	Post Count	1,374	40,660	649	18,987	725	21,673
	Post Percentage	58.4%	59.8%	52.5%	58.7%	65.1%	60.7%
	Both Pre and Pst Cnt	1,255	31,293	570	12,894	685	18,399
	Both Pre and Pst Pct	53.4%	46.0%	46.1%	39.9%	61.5%	51.6%

The utilities returned useable data for 82% of the treatment client dwellings and 90% for the comparison group (LIHEAP) clients.

Approximately 1% of dwellings useable histories dropped due to failure of one or more of the model diagnostic criteria. Model reliability screens dropped accounted for 27 to 31% attrition. Ultimately, 53% of the requested treatment group clients and 46% of the comparison group clients had usage data suitable for the billing analysis.

Table 2.6 provides a the attrition analysis broken out by housing type. Overall, 56% of single family site-built dwellings were useable, and 47% of mobile homes from the treatment group

were passed reliability screens. Essentially no data was returned for the few multi-family dwellings weatherized by the program.

Table 2.6 Electricity Attrition by Housing Type

		State		IPL		MAE	
		Trt	Cmpr	Trt	Cmpr	Trt	Cmpr
Single Family Detached Framed Dwellings							
Requested		2,060	49,671	1,043	23,802	1,017	25,869
Passed Model Diagnostics	Both Pre and Pst Cnt	1,713	39,425	857	17,414	856	22,011
	Both Pre and Pst Pct	83.2%	79.4%	82.2%	73.2%	84.2%	85.1%
Passed Reliability Screens	Both Pre and Pst Cnt	1,149	23,832	513	9,981	636	13,851
	Both Pre and Pst Pct	55.8%	48.0%	49.2%	41.9%	62.5%	53.5%
Mobile Homes							
Requested		223	2,735	133	1,311	90	1,424
Passed Model Diagnostics	Both Pre and Pst Cnt	185	2,005	111	853	74	1,152
	Both Pre and Pst Pct	83.0%	73.3%	83.5%	65.1%	82.2%	80.9%
Passed Reliability Screens	Both Pre and Pst Cnt	104	1,174	55	473	49	701
	Both Pre and Pst Pct	46.6%	42.9%	41.4%	36.1%	54.4%	49.2%
Multi-Family							
Requested		68	15,615	61	7,226	7	8,389
Passed Model Diagnostics	Both Pre and Pst Cnt	10	11,204	9	4,463	1	6,741
	Both Pre and Pst Pct	0.5%	22.6%	14.8%	61.8%	14.3%	80.4%
Passed Reliability Screens	Both Pre and Pst Cnt	2	6,287	2	2,440	-	3,847
	Both Pre and Pst Pct	0.1%	12.7%	3.3%	33.8%	0.0%	45.9%

OUTLIERS

The outlier screen dropped approximately 5% of treatment group observations with pre and post savings models.

ELECTRICITY IMPACT ANALYSIS

We developed state-level electricity savings results for two groups, those with non-electric space heat and for those with electric space heat.

Our results are summarized in Table 2.7.

Table 2.7 Electricity Fuel Consumption Analysis Results (State Level Results)

Treatment Group					Comparison Group											
n	Baseline Cons. (kWh)	90% CI	Savings (kWh)	90% CI	n	Baseline Cons. (kWh)	90% CI	Savings (kWh)	90% CI	Net Savings (kWh)	90% CI	Percent Savings (%)	90% CI	Estimated Savings (kWh)	90% CI	Realization Rate (%)
Electric Savings for Dwellings with Non-Electric Space Heat																
1,146	10,399	318	898	108	4,789	9,666	112	345	51	554	119	5.7%	1.1%	840	25	65.9%
Electric Savings for Dwellings with Electric Space Heat																
63	21,015	1,592	2,581	865	243	20,139	793	533	374	2,048	943	8.7%	3.7%	3,191	406	64.2%

Dwellings with non-electric space heat averaged 554 kWh savings – these are baseload savings. This result is significantly lower than our estimate of savings, which averaged 840 kWh and was based upon a billing analysis of the 2005 weatherization program.

The average savings for dwellings with electric heat was also lower than estimated, averaging 2,048 kWh per dwelling compared to an estimated 3,191 kWh. In addition to the above factors, our prior estimates were based upon an extrapolation of savings observed in gas-heated dwellings – this was necessary owing to the small sample of electrically-heated homes in the prior billing analysis. Given that electrically-heated dwellings tend to be better insulated , this approach may have overstated estimates of heating savings for those dwellings.

Overall, the weighted observed electricity savings were 65.6% of estimated – we will use this an adjustment factor to future estimates of electricity savings.

Although we don't have specific data with which to assess the reasons for the apparent decline in savings, it's likely that the measure-level savings have eroded gradually since the 2005 program. The measure-level savings estimates are used to estimate program level impacts, which resulted in overestimates of impacts for the past several years . There are several explanations for a gradual decline in measure savings, including:

1) Refrigerator efficiency standards were put in place in the early 1990s, and over time these relatively higher efficiency units have replaced the older, lower efficiency units. This has resulted in lower average consumption for units in current use. Replacing those units, while still cost-effective, results in lower average savings than in the past.

2) Efficiency standards were also increased for air conditioning equipment during the 1990s, and, as with refrigerators, we'd expect to see higher average efficiencies of units in current use. This would reduce cooling savings.

3) Estimates of lightings were based upon savings for bulbs installed in the 2005 and 2006 programs. There's been a 70% increase in the average number of bulbs installed since 2005, which suggests that CFLS may be installed in fixtures with less daily usage. It

follows that our estimates of lighting savings were overstated as they were based upon bulbs with greater daily use than those installed in recent years.

Taken together, these relatively small changes in appliance stock and usage are large enough to affect overall savings. Our algorithms for assessing electricity impacts have been adjusted to account for the lower savings based upon our findings.

3. DETAILED SPENDING AND IMPACT PROFILES BY FUNDING ENTITY

This section provides tables of spending and impacts for the utilities, the state, and the overall program. The tables are designed to provide information to meet the filing requirements for cost recovery.

The summaries of impacts for state and utility funding are similar in format to those provided in the earlier SLICE reports.

We show a second table for each of the utilities in this report. These tables show the combined impacts of electricity and natural gas measures from all funding sources. These tables should prove useful for the energy and demand planning departments at the utilities to account for the aggregate impacts of the low-income program, and not just the impacts funded by a specific utility.

A separate table providing a break out the impacts and expenditures for ARRA-funded measures was added to this report.

Combined State and Utility
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**2,969**	**2,924**	**2,420**	**400**	**24**	**0**	**2,920**	**2,660**	**15,754,422**	**602.1**		**286.7**		**1,780,187**	**6,402**	**604,742**	**117,142**	**4,211**	**0**	**5306.31**	**0.206**		**0.108**		**609**	**2.646**	**250**	**293**	**175**	**-**
Shell & Htg. Sys.	2,965	2,603	2,394	395	24	0	2,585	152	13,506,628	502.2	605,610	143.1	219,004	824,615	6,171	562,225	112,460	4,211	0	4555.36	0.194	234	0.942	1,441	317	2.578	235	285	175	-
Wall Insul.	1,869	1,629	1,565	228	14	0	1,624	62	2,965,938	196.92	237,487	35.61	54,768	292,255	1,612	146,698	22,004	798	0	1586.91	0.121	146	0.574	883	179	1.030	94	97	57	-
Open Blown Ceiling Insul.	2,365	2,085	1,918	299	22	0	2,073	126	1,752,263	177.41	213,956	49.50	75,912	289,868	973	88,546	15,296	878	0	740.91	0.086	103	0.393	602	139	0.507	46	51	40	-
Cavity Fil Insul.	602	444	494	88	7	0	442	13	465,640	22.98	27,717	6.92	10,826	38,544	332	30,736	6,423	265	0	773.49	0.052	63	0.533	833	87	0.672	62	73	38	-
Sloped Attic Insul.	843	704	703	94	8	0	699	38	315,123	37.56	45,301	19.19	29,099	74,400	324	29,540	5,028	230	0	373.81	0.054	65	0.505	766	106	0.461	42	53	29	-
Kneewall Insul.	629	512	527	79	2	0	509	21	203,161	11.77	14,199	2.64	4,078	18,277	115	10,496	1,434	19	0	322.99	0.023	28	0.126	194	36	0.217	20	18	9	-
Infil. Reduction	2,919	2,578	2,366	381	24	0	2,563	148	1,476,133	34.78	41,948	17.58	26,666	68,614	453	41,151	7,581	252	0	505.70	0.014	16	0.119	180	27	0.192	17	20	11	-
Found./Crawl. Insul.	1,243	411	1,000	191	9	0	389	43	933,225	20.73	25,003	10.15	15,413	40,416	229	20,836	4,880	67	0	750.78	0.053	64	0.236	358	98	0.229	21	26	7	-
Bandjoist Insul.	1,451	68	1,138	229	16	0	-	68	228,545	0.00	0	3.90	5,942	5,942	76	6,941	1,575	78	0	157.51	-	-	0.057	87	87	0.067	6	7	5	-
Exhaust Ventilation	1,050	65	839	140	6	0	-	65	648,556	0.00	0	-5.67	(8,677)	(8,677)	(56)	(5,160)	(940)	(27)	0	617.67	-	-	-0.087	(133)	(133)	-0.067	-6	-7	-5	-
Condensing Htg Sys Repl	1,610	0	1,359	239	12	0	-	-	3,960,668	0.00	0	0.00	0	0	2,005	182,523	46,526	1,406	0	2460.04	-	-	-	-	-	1.476	134	195	117	-
Non-Cond Htg Sys Repl	187	0	150	34	3	0	-	-	388,351	0.00	0	0.00	0	0	108	9,918	2,652	245	0	2076.75	-	-	-	-	-	0.721	66	78	82	-
Electric Htg Sys Repl	43	43	0	0	0	0	-	43	105,171	0.00	0	2.50	3,748	3,748	0	0	0	0	0	2445.83	-	-	0.058	87	87	-	-	-	-	-
Heat Pump Repl	11	11	0	0	0	0	-	11	63,855	0.00	0	0.79	1,227	1,227	0	0	0	0	0	5805.00	-	-	0.072	112	112	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	2,349	588	1,617	144	0	0	1,547,758	0.0	1.2	68,284	231.0	42,517	4,682	0	0	658.90	0.000	0.002	116	0.143	26	33	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	1,990	526	1,349	115	0	0	10,359	0.00	0.04	20,029	13.2	4,598	438	0	0	5.21	0.000	0.000	38	0.010	3	4	-	-
LF Showerhead	623	178	401	44	0	0	5,690	0.00	0.63	27,646	11.0	3,382	434	0	0	9.13	0.000	0.004	155	0.027	8	10	-	-
Faucet Aerator	963	259	638	66	0	0	4,052	0.00	0.29	12,785	5.6	1,718	222	0	0	4.21	0.000	0.001	49	0.009	3	3	-	-
Std-Eff Wtr Htr Repl.	400	111	251	38	0	0	565,078	0.00	0.07	2,916	40.2	6,563	981	0	0	1412.69	0.000	0.001	26	0.160	26	26	-	-
Hi-Eff Wtr Htr Repl.	752	43	648	61	0	0	962,579	0.00	0.12	4,908	161.0	26,257	2,607	0	0	1280.02	0.000	0.003	114	0.248	41	43	-	-
Lighting	2,523	2,523					155,820	53.7	99.2	511,388	-	-	-	-	-	61.76	0.021	0.039	203	-	-	-	-	-
CFL (5W)	70	0					3,248	0.37	0.68	3,516	-	-	-	-	-	46.40	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	511	511					21,623	4.54	8.39	43,249	-	-	-	-	-	42.31	0.009	0.016	85	-	-	-	-	-
CFL (14W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	1,418	1,418					63,721	28.63	52.89	272,649	-	-	-	-	-	44.94	0.020	0.037	192	-	-	-	-	-
CFL (18W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	559	559					31,533	13.74	25.39	130,898	-	-	-	-	-	56.41	0.025	0.045	234	-	-	-	-	-
CFL (23W)	723	723					19,854	4.10	7.57	39,009	-	-	-	-	-	27.46	0.006	0.010	54	-	-	-	-	-
CFL (25W)	194	194					15,842	2.32	4.28	22,067	-	-	-	-	-	81.66	0.012	0.022	114	-	-	-	-	-
CFL (30W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	735	735					544,216	46.24	43.23	375,900	-	-	-	-	-	740.43	0.063	0.059	511					
Refrigerator Removal	3	3					75	0.17	0.16	1,371	-	-	-	-	-	25.00	0.056	0.053	457	-	-	-	-	-
Refrigerator Exchange	626	626					457,205	36.03	33.69	292,944	-	-	-	-	-	730.36	0.058	0.054	468	-	-	-	-	-
Freezer Removal	4	4					156	0.24	0.22	1,946	-	-	-	-	-	39.00	0.060	0.056	487	-	-	-	-	-
Freezer Exchange	163	163					86,780	9.80	9.16	79,639	-	-	-	-	-	532.39	0.060	0.056	489	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 2971 Total Households with Spending and/or Energy Impacts:

Total		**10,691,217**	**3598.52**
Unspecified Insul.	2,395	720,869	300.99
Duct Sealing	977	150,167	153.70
Duct Insulation	740	49,085	66.33
Damming Material	1,112	46,557	41.87
Htg. Sys. Tune & Clean	1,189	175,129	147.29
Htg. Sys./WH Other	1,470	493,003	335.38
Air Conditioning Work	84	4,803	57.18
Water Heater Repair	328	31,812	96.99
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	32	3,016	94.25
Unspecified Utility Meas.	0	0	0.00
CO Detector	2,296	119,004	51.83
Smoke Detector	1,450	65,218	44.98
Fuses	19	2,046	107.67
Htg Sys Safety Check	633	75,597	119.43
Htg Sys Ventilation	283	36,955	130.58
Water Heater Ventilation	666	150,765	226.37
Bathroom Ventilation	1,136	249,754	219.85
Other Exhaust Ventilation	1,939	222,953	114.98
Health/Safety Repairs	2	393	196.36
Health/Safety Other	797	193,763	243.12
Consumables	946	40,935	43.27
General Repairs	2,603	1,491,583	573.02
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	2,401	5,818,840	2423.51
Transportation Allowance	635	108,545	170.94
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	3	(205)	-68.33
Lead Safe Work	1,514	386,673	255.40
Unspecifed	335	53,958	161.07
Total Reported Materials, Labor, and Support Costs:		**26,445,639**	**8,901.26**
Grand Total of Expenditures:		**26,445,639**	

DCAA Only
Calendar Year 2012
Costs, Fuel, and Demand Impacts for DCAA-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**1,729**	**1,533**	**1,274**	**237**	**15**	**0**	**1,526**	**854**	**4,690,866**	**144.4**		**93.2**		**493,467**	**1,343**	**127,699**	**62,671**	**2,202**	**0**	**2713.05**	**0.095**		**0.109**		**322**	**1.054**	**100**	**264**	**147**	**-**
Shell & Htg. Sys.	1,633	1,347	1,253	236	15	0	1,332	93	3,959,931	115.4	139,173	55.8	84,724	223,897	1,290	118,176	60,022	2,202	0	2424.94	0.087	104	0.600	911	166	1.030	94	254	147	-
Wall Insul.	557	415	336	121	7	0	412	25	595,903	39.91	48,137	14.18	21,617	69,754	270	24,709	11,621	352	0	1069.84	0.097	117	0.567	865	168	0.803	74	96	50	-
Open Blown Ceiling Insul.	710	545	376	169	13	0	536	52	389,261	38.82	46,815	19.71	29,996	76,811	151	13,889	8,271	483	0	548.25	0.072	87	0.379	577	141	0.402	37	49	37	-
Cavity Fil Insul.	183	109	109	43	4	0	108	5	118,865	5.21	6,281	3.22	4,884	11,165	75	6,909	2,983	148	0	649.54	0.048	58	0.643	977	102	0.687	63	69	37	-
Sloped Attic Insul.	240	166	141	47	5	0	164	13	73,232	7.82	9,434	6.04	9,088	18,522	64	5,827	2,470	165	0	305.13	0.048	58	0.465	699	112	0.452	41	53	33	-
Kneewall Insul.	189	130	126	36	1	0	128	6	47,524	2.58	3,107	0.43	645	3,752	28	2,605	558	1	0	251.45	0.020	24	0.071	107	29	0.225	21	15	1	-
Infil. Reduction	1,512	1,292	1,116	226	15	0	1,284	84	611,787	15.63	18,856	10.00	15,194	34,050	198	18,045	4,731	175	0	404.62	0.012	15	0.119	181	26	0.178	16	21	12	-
Found./Crawl. Insul.	366	124	220	107	3	0	116	14	249,797	5.42	6,542	2.53	3,839	10,381	44	4,030	2,838	4	0	682.51	0.047	56	0.181	274	84	0.200	18	27	1	-
Bandjoist Insul.	427	31	263	123	10	0	-	31	68,924	0.00	0	1.95	2,949	2,949	15	1,396	790	46	0	161.41	-	-	0.063	95	95	0.058	5	6	5	-
Exhaust Ventilation	666	42	531	89	4	0	-	42	420,464	0.00	0	-3.67	(5,606)	(5,606)	(36)	(3,271)	(605)	(18)	0	631.33	-	-	-0.087	(133)	(133)	-0.067	-6	-7	-5	-
Condensing Htg Sys Repl	449	0	313	129	7	0	-	-	1,051,354	0.00	0	0.00	0	0	407	37,298	24,399	742	0	2341.55	-	-	-	-	-	1.301	119	189	106	-
Non-Cond Htg Sys Repl	127	0	102	24	1	0	-	-	266,650	0.00	0	0.00	0	0	73	6,740	1,965	104	0	2099.61	-	-	-	-	-	0.719	66	82	104	-
Electric Htg Sys Repl	24	24	0	0	0	0	-	24	57,171	0.00	0	1.29	1,939	1,939	0	0	0	0	0	2382.12	-	-	0.054	81	81	-	-	-	-	-
Heat Pump Repl	2	2	0	0	0	0	-	2	9,000	0.00	0	0.12	180	180	0	0	0	0	0	4500.00	-	-	0.060	90	90	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	686	179	430	77	0	0	494,472	0.0	0.3	18,345	53.0	9,523	2,649	0	0	720.80	0.000	0.002	102	0.123	22	34	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	473	141	275	57	0	0	2,763	0.00	0.01	5,363	2.7	954	212	0	0	5.84	0.000	0.000	38	0.010	3	4	-	-
LF Showerhead	136	53	61	22	0	0	1,382	0.00	0.19	8,235	1.7	527	216	0	0	10.16	0.000	0.004	155	0.028	9	10	-	-
Faucet Aerator	196	63	105	28	0	0	324	107	167	50	0	0	900	0.00	0.07	3,116	0.9	275	94	0	0	4.59	0.000	0.001	49	0.009	3	3	-	-
Std-Eff Wtr Htr Repl.	168	60	89	19	0	0	168	60	89	19	0	0	235,607	0.00	0.04	1,578	14.1	2,305	495	0	0	1402.42	0.000	0.001	26	0.159	26	26	-	-
Hi-Eff Wtr Htr Repl.	212	3	169	40	0	0	172	0	132	40	0	0	253,820	0.00	0.00	52	33.5	5,461	1,632	0	0	1197.26	0.000	0.000	17	0.198	32	41	-	-
Lighting	576	576					5,468	5,468					31,853	10.9	20.2	104,036	-	-	-	-	-	55.30	0.019	0.035	181	-	-	-	-	-
CFL (5W)	4	0					14	14					98	0.01	0.02	106	-	-	-	-	-	24.50	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	119	119					643	643					4,721	0.99	1.83	9,410	-	-	-	-	-	39.68	0.008	0.015	79	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	328	328					2,438	2,438					12,497	5.80	10.72	55,283	-	-	-	-	-	38.10	0.018	0.033	169	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	102	102					897	897					6,030	2.61	4.83	24,904	-	-	-	-	-	59.12	0.026	0.047	244	-	-	-	-	-
CFL (23W)	193	193					940	940					4,759	0.96	1.77	9,122	-	-	-	-	-	24.66	0.005	0.009	47	-	-	-	-	-
CFL (25W)	50	50					536	536					3,747	0.55	1.01	5,211	-	-	-	-	-	74.94	0.011	0.020	104	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	348	348					315	315					204,610	18.10	16.93	147,188	-	-	-	-	-	587.96	0.052	0.049	423					
Refrigerator Removal	2	2					2	2					50	0.11	0.11	914	-	-	-	-	-	25.00	0.056	0.053	457	-	-	-	-	-
Refrigerator Exchange	239	239					194	194					141,410	10.90	10.19	88,580	-	-	-	-	-	591.67	0.046	0.043	371	-	-	-	-	-
Freezer Removal	4	4					4	4					156	0.24	0.22	1,946	-	-	-	-	-	39.00	0.060	0.056	487	-	-	-	-	-
Freezer Exchange	123	123					115	115					62,995	6.86	6.41	55,748	-	-	-	-	-	512.15	0.056	0.052	453	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 1772 Total Households with Spending and/or Energy Impacts:

Total		**6,062,722**	**3421.40**
Unspecified Insul.	1,293	385,099	297.83
Duct Sealing	584	83,262	142.57
Duct Insulation	473	33,001	69.77
Damming Material	528	21,460	40.64
Htg. Sys. Tune & Clean	506	77,770	153.70
Htg. Sys./WH Other	780	250,185	320.75
Air Conditioning Work	47	3,020	64.25
Water Heater Repair	199	18,737	94.15
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	2	275	137.50
Unspecified Utility Meas.	0	0	0.00
CO Detector	1,319	64,926	49.22
Smoke Detector	856	36,447	42.58
Fuses	9	903	100.32
Htg Sys Safety Check	316	40,274	127.45
Htg Sys Ventilation	4	473	118.24
Water Heater Ventilation	257	53,142	206.78
Bathroom Ventilation	624	125,888	201.74
Other Exhaust Ventilation	1,068	116,145	108.75
Health/Safety Repairs	1	123	122.72
Health/Safety Other	445	105,554	237.20
Consumables	400	14,979	37.45
General Repairs	1,319	741,652	562.28
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	1,587	3,609,068	2274.15
Transportation Allowance	366	67,839	185.35
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	1	20	20.00
Lead Safe Work	803	192,486	239.71
Unspecifed	129	19,993	154.99
Total Reported Materials, Labor, and Support Costs:		**10,753,588**	**6,068.62**
Grand Total of Expenditures:		**10,753,588**	

American Recovery and Reinvestment Act
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**1,338**	**1,288**	**1,108**	**172**	**9**	**0**	**1,286**	**1,060**	**6,784,425**	**247.7**		**99.4**		**663,222**	**2,714**	**253,915**	**54,471**	**2,009**	**0**	**5070.57**	**0.193**		**0.094**		**515**	**2.449**	**229**	**317**	**223**	**-**
Shell & Htg. Sys.	1,329	1,145	1,094	168	9	0	1,139	54	5,931,275	213.2	257,160	46.1	70,865	328,025	2,634	238,864	52,438	2,009	0	4462.96	0.187	226	0.853	1,312	286	2.407	218	312	223	-
Wall Insul.	819	700	675	107	7	0	698	21	1,368,943	84.99	102,499	8.86	13,686	116,186	716	64,826	10,383	446	0	1671.48	0.122	147	0.422	652	166	1.060	96	97	64	-
Open Blown Ceiling Insul.	1,002	869	815	130	9	0	866	40	786,205	76.46	92,214	16.20	24,940	117,154	448	40,525	7,025	395	0	784.64	0.088	106	0.405	623	135	0.550	50	54	44	-
Cavity Fil Insul.	239	170	186	45	3	0	170	3	192,804	8.24	9,935	2.27	3,718	13,653	111	10,379	3,440	117	0	806.71	0.048	58	0.757	1,239	80	0.599	56	76	39	-
Sloped Attic Insul.	359	295	293	47	3	0	293	12	138,529	15.92	19,197	6.55	9,991	29,188	138	12,522	2,558	65	0	385.87	0.054	66	0.546	833	99	0.471	43	54	22	-
Kneewall Insul.	258	211	204	43	1	0	210	6	85,467	4.82	5,814	1.04	1,589	7,403	45	4,077	876	18	0	331.27	0.023	28	0.174	265	35	0.220	20	20	18	-
Infil. Reduction	1,283	1,124	1,062	155	9	0	1,119	53	690,477	15.26	18,399	5.70	8,630	27,028	196	17,748	2,849	77	0	538.17	0.014	16	0.108	163	24	0.185	17	18	9	-
Found./Crawl. Insul.	488	149	384	84	6	0	139	14	358,749	7.55	9,102	4.80	7,324	16,427	78	7,084	2,042	63	0	735.14	0.054	65	0.343	523	110	0.203	18	24	11	-
Bandjoist Insul.	622	19	491	106	6	0	-	19	99,299	0.00	0	1.05	1,606	1,606	34	3,100	785	32	0	159.64	-	-	0.055	85	85	0.070	6	7	5	-
Exhaust Ventilation	384	23	308	51	2	0	-	23	228,093	0.00	0	-2.00	(3,070)	(3,070)	(21)	(1,889)	(335)	(9)	0	593.99	-	-	-0.087	(133)	(133)	-0.067	-6	-7	-5	-
Condensing Htg Sys Repl	687	0	572	110	5	0	-	-	1,775,058	0.00	0	0.00	0	0	853	77,315	22,127	664	0	2583.78	-	-	-	-	-	1.491	135	201	133	-
Non-Cond Htg Sys Repl	60	0	48	10	2	0	-	-	121,701	0.00	0	0.00	0	0	35	3,178	687	141	0	2028.35	-	-	-	-	-	0.726	66	69	71	-
Electric Htg Sys Repl	15	15	0	0	0	0	-	15	31,094	0.00	0	0.94	1,404	1,404	0	0	0	0	0	2072.93	-	-	0.063	94	94	-	-	-	-	-
Heat Pump Repl	9	9	0	0	0	0	-	9	54,855	0.00	0	0.67	1,046	1,046	0	0	0	0	0	6095.01	-	-	0.074	116	116	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	927	208	652	67	0	0	631,927	0.0	0.4	23,131	80.3	15,051	2,033	0	0	681.69	0.000	0.002	111	0.123	23	30	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	770	183	529	58	0	0	4,085	0.00	0.01	6,971	5.2	1,804	227	0	0	5.31	0.000	0.000	38	0.010	3	4	-	-
LF Showerhead	251	64	165	22	0	0	2,395	0.00	0.23	9,946	4.5	1,383	219	0	0	9.54	0.000	0.004	155	0.027	8	10	-	-
Faucet Aerator	399	95	266	38	0	0	1,741	0.00	0.11	4,794	2.4	731	128	0	0	4.36	0.000	0.001	50	0.009	3	3	-	-
Std-Eff Wtr Htr Repl.	232	51	162	19	0	0	329,471	0.00	0.03	1,338	26.1	4,258	485	0	0	1420.13	0.000	0.001	26	0.161	26	26	-	-
Hi-Eff Wtr Htr Repl.	222	4	197	21	0	0	294,234	0.00	0.00	82	42.1	6,876	974	0	0	1325.38	0.000	0.001	21	0.214	35	46	-	-
Lighting	995	995					66,146	22.7	41.9	215,865	-	-	-	-	-	66.48	0.023	0.042	217	-	-	-	-	-
CFL (5W)	48	0					2,401	0.27	0.50	2,599	-	-	-	-	-	50.02	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	241	241					10,608	2.28	4.22	21,756	-	-	-	-	-	44.02	0.009	0.018	90	-	-	-	-	-
CFL (14W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	548	548					26,988	12.01	22.18	114,347	-	-	-	-	-	49.25	0.022	0.040	209	-	-	-	-	-
CFL (18W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	231	231					13,447	5.79	10.69	55,110	-	-	-	-	-	58.21	0.025	0.046	239	-	-	-	-	-
CFL (23W)	244	244					6,580	1.42	2.62	13,504	-	-	-	-	-	26.97	0.006	0.011	55	-	-	-	-	-
CFL (25W)	76	76					6,122	0.90	1.66	8,548	-	-	-	-	-	80.55	0.012	0.022	112	-	-	-	-	-
CFL (30W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	220	220					211	211	155,077	11.83	11.06	96,201	-	-	-	-	704.90	0.054	0.050	437					
Refrigerator Removal	1	1					1	1	25	0.06	0.05	457	-	-	-	-	25.00	0.056	0.053	457	-	-	-	-	-
Refrigerator Exchange	218	218					209	209	154,753	11.72	10.95	95,257	-	-	-	-	709.88	0.054	0.050	437	-	-	-	-	-
Freezer Removal	0	0					0	0	0	0.00	0.00	0	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	1	1					1	1	299	0.06	0.06	487	-	-	-	-	299.00	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 1342 Total Households with Spending and/or Energy Impacts:

Total		**4,007,610**	**2986.30**
Unspecified Insul.	1,088	330,413	303.69
Duct Sealing	392	66,705	170.16
Duct Insulation	259	14,301	55.22
Damming Material	584	25,097	42.97
Htg. Sys. Tune & Clean	498	74,746	150.09
Htg. Sys./WH Other	691	242,819	351.40
Air Conditioning Work	37	1,783	48.20
Water Heater Repair	129	13,075	101.36
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	977	54,077	55.35
Smoke Detector	594	28,770	48.44
Fuses	10	1,143	114.29
Htg Sys Safety Check	317	35,322	111.43
Htg Sys Ventilation	1	160	160.00
Water Heater Ventilation	294	71,814	244.26
Bathroom Ventilation	512	123,866	241.93
Other Exhaust Ventilation	872	106,808	122.49
Health/Safety Repairs	1	270	270.00
Health/Safety Other	353	88,209	249.88
Consumables	546	25,956	47.54
General Repairs	1,140	653,099	572.89
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	767	1,789,270	2332.82
Transportation Allowance	269	40,706	151.32
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	2	(225)	-112.50
Lead Safe Work	711	194,187	273.12
Unspecifed	147	25,238	171.69
Total Reported Materials, Labor, and Support Costs:		**10,792,034**	**8,041.75**
Grand Total of Expenditures:		**10,792,034**	

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Interstate Power and Light Co.
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**767**	**657**	**386**	**655**	**588**	**1,841,509**	**114.9**		**58.1**		**351,234**	**985**	**92,193**	**2400.92**	**0.175**		**0.099**		**535**	**2.553**	**239**
Shell & Htg. Sys.	666	523	385	518	32	1,577,101	95.7	115,452	29.7	45,890	161,341	958	87,099	2368.02	0.185	223	0.929	1,434	308	2.488	226
Wall Insul.	445	360	262	359	16	470,519	40.57	48,924	9.41	14,597	63,521	280	25,474	1057.35	0.113	136	0.588	912	176	1.071	97
Open Blown Ceiling Insul.	528	427	312	425	26	264,295	32.87	39,646	8.03	12,500	52,147	167	15,203	500.56	0.077	93	0.309	481	122	0.537	49
Cavity Fill Insul.	134	104	78	103	5	61,069	5.67	6,843	1.44	2,225	9,068	59	5,448	455.74	0.055	66	0.287	445	87	0.755	70
Sloped Attic Insul.	198	149	124	148	12	44,130	7.76	9,364	5.72	8,693	18,057	53	4,872	222.88	0.052	63	0.477	724	121	0.430	39
Kneewall Insul.	133	103	83	102	9	33,143	2.13	2,567	1.16	1,820	4,387	16	1,484	249.20	0.021	25	0.129	202	43	0.194	18
Infil. Reduction	310	228	243	224	20	95,266	2.04	2,466	1.49	2,253	4,719	33	2,980	307.31	0.009	11	0.075	113	21	0.135	12
Found./Crawl. Insul.	218	97	165	93	13	127,621	4.68	5,642	1.67	2,539	8,181	37	3,365	585.42	0.050	61	0.128	195	84	0.226	20
Bandjoist Insul.	207	14	193	-	14	30,331	0.00	0	0.58	895	895	13	1,169	146.53	-	-	0.042	64	64	0.067	6
Exhaust Ventilation	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Condensing Htg Sys Repl	213	0	213	-	-	436,821	0.00	0	0.00	0	0	299	27,104	2050.80	-	-	-	-	-	1.402	127
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	5	5	0	-	5	13,906	0.00	0	0.24	367	367	0	0	2781.15	-	-	0.048	73	73	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	386	169	217	782	330	452	136,214	0.0	0.3	18,352	27.4	5,094	352.89	0.000	0.002	109	0.126	23
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	289	147	142	289	147	142	1,091	0.00	0.01	5,602	1.4	496	3.77	0.000	0.000	38	0.010	3
LF Showerhead	101	39	62	103	41	62	675	0.00	0.14	6,056	1.7	529	6.68	0.000	0.004	155	0.028	9
Faucet Aerator	160	69	91	264	112	152	486	0.00	0.07	3,273	0.8	236	3.04	0.000	0.001	47	0.008	3
Std-Eff Wtr Htr Repl.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Hi-Eff Wtr Htr Repl.	131	31	100	126	30	96	133,962	0.00	0.08	3,421	23.5	3,832	1022.61	0.000	0.003	110	0.235	38
Lighting	551	551		5,500	5,500		28,839	11.0	20.4	105,035	-	-	52.34	0.020	0.037	191	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	38	38		164	164		1,244	0.25	0.47	2,397	-	-	32.74	0.007	0.012	63	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	386	386		3,515	3,515		17,672	8.38	15.49	79,843	-	-	45.78	0.022	0.040	207	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	48	48		282	282		1,291	0.82	1.52	7,836	-	-	26.90	0.017	0.032	163	-	-
CFL (23W)	179	179		1,002	1,002		4,878	1.02	1.89	9,734	-	-	27.25	0.006	0.011	54	-	-
CFL (25W)	47	47		537	537		3,754	0.55	1.01	5,224	-	-	79.86	0.012	0.022	111	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	124	124		117	117		86,021	6.58	6.15	53,491	-	-	693.72	0.053	0.050	431	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	29	29		27	27		13,335	1.60	1.50	13,015	-	-	459.82	0.055	0.052	449	-	-

Costs for Measures Without Energy Impacts Installed in 773 Total Households with Spending and/or Energy Impacts:

Total		**261,024**	**337.68**
Unspecified Insul.	24	2,873	119.72
Duct Sealing	0	0	0.00
Duct Insulation	11	1,616	146.88
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	89	8,795	98.82
Htg. Sys./WH Other	0	0	0.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	6	600	100.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	0	0	0.00
Smoke Detector	0	0	0.00
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	106	13,206	124.58
Water Heater Ventilation	79	8,625	109.18
Bathroom Ventilation	0	0	0.00
Other Exhaust Ventilation	0	0	0.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	257	50,933	198.18
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	629	168,008	267.10
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	20	6,368	318.41

Total Reported Materials, Labor, and Support Costs:	**2,102,533**
Utility Expenditures for Administration:	**134,831**
Grand Total of Expenditures:	**2,237,364**

Interstate Power and Light Co.
Calendar Year 2012
Fuel and Demand Impacts For All Customer Households from All Measures (All Federal, State, and Direct and Indirect Utility Funding Sources)

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Estimated First-Year Savings: Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**1,394**	**1,211**	**698**	**1,209**	**1,064**	**0**	**243.2**		**121.8**		**722,232**	**2,171**	**202,731**	**0.00**	**0.201**		**0.114**		**596**	**3.111**	**290**
Shell & Htg. Sys.	1,307	1,076	697	1,068	61	0	204.4	246,473	64.9	99,342	345,815	2,102	190,267	0.00	0.191	231	1.065	1,629	321	3.016	273
Wall Insul.	847	692	513	690	31	0	82.03	98,928	18.22	28,023	126,951	603	54,408	0.00	0.119	143	0.588	904	183	1.176	106
Open Blown Ceiling Insul.	1,031	847	585	842	49	0	70.31	84,800	17.51	27,005	111,805	326	29,450	0.00	0.084	101	0.357	551	132	0.557	50
Cavity Fill Insul.	224	163	130	162	7	0	8.47	10,217	2.53	3,951	14,168	94	8,687	0.00	0.052	63	0.361	564	87	0.720	67
Sloped Attic Insul.	374	291	234	289	21	0	15.68	18,912	11.88	17,963	36,875	114	10,349	0.00	0.054	65	0.566	855	127	0.487	44
Kneewall Insul.	253	198	158	196	14	0	4.41	5,316	2.09	3,223	8,539	32	2,950	0.00	0.022	27	0.149	230	43	0.204	19
Infil. Reduction	1,294	1,065	693	1,057	61	0	13.52	16,307	7.37	11,145	27,452	146	13,111	0.00	0.013	15	0.121	183	26	0.210	19
Found./Crawl. Insul.	422	195	314	187	21	0	9.94	11,993	4.70	7,094	19,087	65	5,927	0.00	0.053	64	0.224	338	98	0.208	19
Bandjoist Insul.	421	26	395	-	26	0	0.00	0	1.46	2,214	2,214	30	2,682	0.00	-	-	0.056	85	85	0.076	7
Exhaust Ventilation	217	25	192	-	25	0	0.00	0	-2.19	(3,337)	(3,337)	(13)	(1,217)	0.00	-	-	-0.088	(133)	(133)	-0.069	-6
Condensing Htg Sys Repl	438	0	438	-	-	0	0.00	0	0.00	0	0	688	62,248	0.00	-	-	-	-	-	1.570	142
Non-Cond Htg Sys Repl	28	0	28	-	-	0	0.00	0	0.00	0	0	18	1,673	0.00	-	-	-	-	-	0.650	60
Electric Htg Sys Repl	23	23	0	-	23	0	0.00	0	1.22	1,841	1,841	0	0	0.00	-	-	0.053	80	80	-	-
Heat Pump Repl	2	2	0	-	2	0	0.00	0	0.14	221	221	0	0	0.00	-	-	0.069	111	111	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	711	258	453	1,564	561	1,003	0	0.0	0.5	29,811	68.8	12,464	0.00	0.000	0.002	116	0.152	28
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	572	227	345	572	227	345	0	0.00	0.02	8,647	3.4	1,187	0.00	0.000	0.000	38	0.010	3
LF Showerhead	173	71	102	175	73	102	0	0.00	0.25	11,035	2.8	849	0.00	0.000	0.004	155	0.027	8
Faucet Aerator	289	111	178	485	188	297	0	0.00	0.12	5,492	1.5	461	0.00	0.000	0.001	49	0.008	3
Std-Eff Wtr Htr Repl.	98	42	56	98	42	56	0	0.00	0.03	1,102	9.4	1,539	0.00	0.000	0.001	26	0.169	27
Hi-Eff Wtr Htr Repl.	234	31	203	234	31	203	0	0.00	0.09	3,535	51.7	8,428	0.00	0.000	0.003	114	0.255	42
Lighting	1,013	1,013		10,672	10,672		0	21.9	40.5	208,710	-	-	0.00	0.022	0.040	206	-	-
CFL (5W)	2	2		6	6		0	0.00	0.01	45	-	-	0.00	0.002	0.004	23	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	91	91		443	443		0	0.68	1.26	6,481	-	-	0.00	0.007	0.014	71	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	772	772		7,282	7,282		0	17.36	32.08	165,379	-	-	0.00	0.022	0.042	214	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	77	77		456	456		0	1.33	2.46	12,668	-	-	0.00	0.017	0.032	165	-	-
CFL (23W)	296	296		1,605	1,605		0	1.64	3.02	15,576	-	-	0.00	0.006	0.010	53	-	-
CFL (25W)	78	78		880	880		0	0.90	1.66	8,561	-	-	0.00	0.012	0.021	110	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	2	2		2	2		0	0.11	0.11	914	-	-	0.00	0.056	0.053	457	-	-
Refrigerator Exchange	225	225		233	233		0	13.09	12.24	106,394	-	-	0.00	0.058	0.054	473	-	-
Freezer Removal	2	2		2	2		0	0.12	0.11	973	-	-	0.00	0.060	0.056	487	-	-
Freezer Exchange	61	61		61	61		0	3.64	3.41	29,615	-	-	0.00	0.060	0.056	485	-	-

Costs for Measures Without Energy Impacts Installed in 1398 Total Households with Spending and/or Energy Impacts:

Total		**0**	**0.00**
Unspecified Insul.	0	0	0.00
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	0	0	0.00
Htg. Sys./WH Other	0	0	0.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	0	0	0.00
Smoke Detector	0	0	0.00
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	0	0	0.00
Bathroom Ventilation	0	0	0.00
Other Exhaust Ventilation	0	0	0.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	0	0	0.00
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	0	0	0.00
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**0**	**0.00**
Grand Total of Expenditures:		**0**	

Black Hills Energy
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Estimated First-Year Savings: Spending on Materials & Labor ($)	Electricity: Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas: Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**174**	**0**	**174**	**0**	**0**	**434,647**	**0.0**		**0.0**		**0**	**264**	**25,174**	**2497.97**	**-**		**-**		**-**	**1.515**	**145**
Shell & Htg. Sys.	168	0	168	0	0	397,071	0.0	0	0.0	0	0	254	23,404	2363.52	-	-	-	-	-	1.514	139
Wall Insul.	91	0	91	0	0	96,952	0.00	0	0.00	0	0	70	6,469	1065.40	-	-	-	-	-	0.773	71
Open Blown Ceiling Insul.	127	0	127	0	0	61,701	0.00	0	0.00	0	0	30	2,800	485.84	-	-	-	-	-	0.238	22
Cavity Fill Insul.	29	0	29	0	0	15,245	0.00	0	0.00	0	0	11	1,022	525.70	-	-	-	-	-	0.381	35
Sloped Attic Insul.	40	0	40	0	0	12,277	0.00	0	0.00	0	0	16	1,431	306.92	-	-	-	-	-	0.391	36
Kneewall Insul.	22	0	22	0	0	3,916	0.00	0	0.00	0	0	2	206	177.99	-	-	-	-	-	0.103	9
Infil. Reduction	60	0	60	0	0	16,272	0.00	0	0.00	0	0	6	549	271.21	-	-	-	-	-	0.099	9
Found./Crawl. Insul.	68	0	68	0	0	29,906	0.00	0	0.00	0	0	15	1,341	439.79	-	-	-	-	-	0.214	20
Bandjoist Insul.	62	0	62	-	0	6,370	0.00	0	0.00	0	0	3	252	102.74	-	-	-	-	-	0.044	4
Exhaust Ventilation	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Condensing Htg Sys Repl	79	0	79	-	-	154,432	0.00	0	0.00	0	0	102	9,334	1954.84	-	-	-	-	-	1.285	118
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW		Annual kWh	Pk-Day therms	Annual therms		Summer kW		Winter kW		Annual kWh	Pk-Day therms	Annual therms
Water Heating	113	0	113	189	0	189	37,576	0.0	0.0		0	9.3	1,770	332.53	-		-		-	0.082	16
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Pipe Insul.	90	0	90	90	0	90	453	0.00	0.00		0	0.8	280	5.03	-		-		-	0.009	3
LF Showerhead	20	0	20	21	0	21	187	0.00	0.00		0	0.5	154	9.33	-		-		-	0.025	8
Faucet Aerator	29	0	29	44	0	44	112	0.00	0.00		0	0.2	66	3.87	-		-		-	0.007	2
Std-Eff Wtr Htr Repl.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Hi-Eff Wtr Htr Repl.	35	0	35	34	0	34	36,824	0.00	0.00		0	7.8	1,271	1052.12	-		-		-	0.223	36
Lighting	0	0		0	0		0	0.0	0.0		0	-	-	0.00	-		-		-	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (15W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (20W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (23W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Exchange	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Exchange	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-

Costs for Measures Without Energy Impacts Installed in 174 Total Households with Spending and/or Energy Impacts:

Total		**65,692**	**377.54**
Unspecified Insul.	3	181	60.35
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	37	2,840	76.75
Htg. Sys./WH Other	0	0	0.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	0	0	0.00
Smoke Detector	0	0	0.00
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	34	4,797	141.09
Water Heater Ventilation	33	4,320	130.91
Bathroom Ventilation	0	0	0.00
Other Exhaust Ventilation	0	0	0.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	48	8,269	172.28
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	163	44,826	275.01
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	16	458	28.63

Total Reported Materials, Labor, and Support Costs:	**500,339**
Utility Expenditures for Administration:	**25,856**
Grand Total of Expenditures:	**526,195**

Black Hills Energy
Calendar Year 2012
Fuel and Demand Impacts For All Customer Households from All Measures (All Federal, State, and Direct and Indirect Utility Funding Sources)

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Estimated First-Year Savings: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**319**	**0**	**319**	**0**	**0**	**0**	**0.0**		**0.0**		**0**	**656**	**63,425**	**0.00**	**-**		**-**		**-**	**2.058**	**199**
Shell & Htg. Sys.	318	0	318	0	0	0	0.0	0	0.0	0	0	627	58,138	0.00	-	-	-	-	-	1.972	183
Wall Insul.	192	0	192	0	0	0	0.00	0	0.00	0	0	157	14,546	0.00	-	-	-	-	-	0.816	76
Open Blown Ceiling Insul.	251	0	251	0	0	0	0.00	0	0.00	0	0	75	7,033	0.00	-	-	-	-	-	0.301	28
Cavity Fill Insul.	67	0	67	0	0	0	0.00	0	0.00	0	0	29	2,750	0.00	-	-	-	-	-	0.435	41
Sloped Attic Insul.	93	0	93	0	0	0	0.00	0	0.00	0	0	35	3,212	0.00	-	-	-	-	-	0.375	35
Kneewall Insul.	58	0	58	0	0	0	0.00	0	0.00	0	0	9	872	0.00	-	-	-	-	-	0.160	15
Infil. Reduction	305	0	305	0	0	0	0.00	0	0.00	0	0	47	4,308	0.00	-	-	-	-	-	0.153	14
Found./Crawl. Insul.	130	0	130	0	0	0	0.00	0	0.00	0	0	25	2,289	0.00	-	-	-	-	-	0.192	18
Bandjoist Insul.	139	0	139	-	0	0	0.00	0	0.00	0	0	6	596	0.00	-	-	-	-	-	0.046	4
Exhaust Ventilation	114	0	114	-	0	0	0.00	0	0.00	0	0	(7)	(673)	0.00	-	-	-	-	-	-0.064	-6
Condensing Htg Sys Repl	182	0	182	-	-	0	0.00	0	0.00	0	0	239	22,122	0.00	-	-	-	-	-	1.315	122
Non-Cond Htg Sys Repl	18	0	18	-	-	0	0.00	0	0.00	0	0	12	1,082	0.00	-	-	-	-	-	0.653	60
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	218	0	218	464	0	464	0	0.0	0.0	0	29.2	5,288	0.00	-	-	-	0.134	24
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	179	0	179	179	0	179	0	0.00	0.00	0	1.6	568	0.00	-	-	-	0.009	3
LF Showerhead	41	0	41	43	0	43	0	0.00	0.00	0	1.0	314	0.00	-	-	-	0.025	8
Faucet Aerator	78	0	78	117	0	117	0	0.00	0.00	0	0.6	174	0.00	-	-	-	0.007	2
Std-Eff Wtr Htr Repl.	27	0	27	27	0	27	0	0.00	0.00	0	3.5	579	0.00	-	-	-	0.131	21
Hi-Eff Wtr Htr Repl.	98	0	98	98	0	98	0	0.00	0.00	0	22.4	3,653	0.00	-	-	-	0.229	37
Lighting	0	0		0	0		0	0.0	0.0	0	-	-	0.00	-	-	-	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (23W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 319 Total Households with Spending and/or Energy Impacts:

Total		**0**	**0.00**
Unspecified Insul.	0	0	0.00
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	0	0	0.00
Htg. Sys./WH Other	0	0	0.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	0	0	0.00
Smoke Detector	0	0	0.00
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	0	0	0.00
Bathroom Ventilation	0	0	0.00
Other Exhaust Ventilation	0	0	0.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	0	0	0.00
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	0	0	0.00
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**0**	**0.00**
Grand Total of Expenditures:		**0**	

MidAmerican Energy
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms
OVERALL (Energy Mea)	**619**	**474**	**514**	**473**	**436**	**2,002,975**	**95.0**		**36.0**		**272,264**	**1,096**	**105,761**	**3235.82**	**0.201**		**0.083**		**574**	**2.133**	**206**
Shell & Htg. Sys.	585	384	505	382	16	1,641,250	77.8	93,825	11.5	17,526	111,351	1,035	94,681	2805.56	0.204	246	0.719	1,095	290	2.050	187
Wall Insul.	346	257	291	256	6	433,621	31.45	37,927	3.16	4,868	42,795	276	25,220	1253.24	0.123	148	0.527	811	167	0.948	87
Open Blown Ceiling Insul.	439	338	370	337	15	250,801	29.25	35,280	5.56	8,476	43,756	176	16,128	571.30	0.087	105	0.371	565	129	0.477	44
Cavity Fill Insul.	114	71	104	71	0	77,656	3.86	4,658	0.00	0	4,658	76	6,979	681.20	0.054	66	-	-	66	0.727	67
Sloped Attic Insul.	153	109	121	109	3	46,955	6.06	7,306	0.88	1,327	8,634	53	4,888	306.90	0.056	67	0.293	442	79	0.439	40
Kneewall Insul.	125	87	110	87	1	33,111	2.25	2,710	0.02	25	2,735	23	2,124	264.88	0.026	31	0.017	25	31	0.210	19
Infil. Reduction	190	159	163	158	6	62,331	1.85	2,227	0.39	589	2,816	20	1,829	328.06	0.012	14	0.065	98	18	0.122	11
Found./Crawl. Insul.	228	60	209	57	6	167,152	3.08	3,716	1.15	1,711	5,427	55	5,016	733.12	0.054	65	0.192	285	90	0.263	24
Bandjoist Insul.	169	6	163	-	6	23,621	0.00	0	0.32	493	493	11	1,024	139.77	-	-	0.054	82	82	0.068	6
Exhaust Ventilation	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Condensing Htg Sys Repl	265	0	265	-	-	543,003	0.00	0	0.00	0	0	345	31,473	2049.07	-	-	-	-	-	1.303	119
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	1	1	0	-	1	3,000	0.00	0	0.03	38	38	0	0	3000.00	-	-	0.026	38	38	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	467	64	403	1,014	145	869	247,569	0.0	0.2	8,456	61.0	11,080	530.13	0.000	0.002	132	0.151	27
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	368	55	313	368	55	313	1,967	0.00	0.00	2,093	3.1	1,064	5.34	0.000	0.000	38	0.010	3
LF Showerhead	115	22	93	117	23	94	1,051	0.00	0.08	3,408	2.6	789	9.14	0.000	0.004	155	0.028	8
Faucet Aerator	179	32	147	304	55	249	813	0.00	0.04	1,602	1.3	410	4.54	0.000	0.001	50	0.009	3
Std-Eff Wtr Htr Repl.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Hi-Eff Wtr Htr Repl.	235	12	223	225	12	213	243,739	0.00	0.03	1,353	54.0	8,817	1037.19	0.000	0.003	113	0.242	40
Lighting	410	410		4,339	4,339		28,983	9.1	16.8	86,452	-	-	70.69	0.022	0.041	211	-	-
CFL (5W)	18	0		107	107		749	0.09	0.16	811	-	-	41.61	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	114	114		661	661		5,049	1.02	1.88	9,686	-	-	44.29	0.009	0.016	85	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	156	156		1,020	1,020		6,564	2.43	4.50	23,176	-	-	42.08	0.016	0.029	149	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	178	178		1,550	1,550		10,765	4.52	8.35	43,047	-	-	60.48	0.025	0.047	242	-	-
CFL (23W)	107	107		684	684		3,637	0.70	1.29	6,649	-	-	33.99	0.007	0.012	62	-	-
CFL (25W)	21	21		317	317		2,219	0.32	0.60	3,084	-	-	105.67	0.015	0.028	147	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	124	124		122	122		75,021	6.84	6.40	55,615	-	-	605.01	0.055	0.052	449	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	22	22		21	21		10,151	1.28	1.19	10,390	-	-	461.41	0.058	0.054	472	-	-

Costs for Measures Without Energy Impacts Installed in 621 Total Households with Spending and/or Energy Impacts:

Total		**294,170**	**473.70**
Unspecified Insul.	11	2,303	209.35
Duct Sealing	1	200	200.00
Duct Insulation	1	168	168.00
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	102	10,978	107.63
Htg. Sys./WH Other	0	0	0.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	24	2,141	89.21
Unspecified Utility Meas.	0	0	0.00
CO Detector	0	0	0.00
Smoke Detector	0	0	0.00
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	138	18,320	132.75
Water Heater Ventilation	111	12,864	115.89
Bathroom Ventilation	0	0	0.00
Other Exhaust Ventilation	0	0	0.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	179	37,629	210.22
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	532	207,667	390.35
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	25	1,900	76.01

Total Reported Materials, Labor, and Support Costs:	**2,297,145**
Utility Expenditures for Administration:	**106,849**
Grand Total of Expenditures:	**2,403,994**

MidAmerican Energy
Calendar Year 2012
Fuel and Demand Impacts For All Customer Households from All Measures (All Federal, State, and Direct and Indirect Utility Funding Sources)

Measure	Number of Households with Impacts			Count of Households with Electricity Impacts by Season		Estimated First-Year Savings							Average Estimated First Year Measure Cost and Savings Average per Treated Household						
						Spending on Materials & Labor ($)	Electricity Summer kW	Electricity Summer kWh	Electricity Winter kW	Electricity Winter kWh	Electricity Annual kWh	Gas Pk-Day therms	Gas Annual therms	Spending on Materials & Labor ($)	Electricity Summer kW	Electricity Summer kWh	Electricity Winter kW	Electricity Winter kWh	Electricity Annual kWh	Gas Pk-Day therms	Gas Annual therms
	Total	Electric	Gas	Cooling	Heating																
OVERALL (Energy Mea)	**1,465**	**1,103**	**1,253**	**1,102**	**1,039**	**0**	**246.1**		**103.1**		**700,117**	**3,164**	**300,636**	**0.00**	**0.223**		**0.099**		**635**	**2.525**	**240**
Shell & Htg. Sys.	1,447	987	1,251	982	43	0	204.9	247,066	44.3	67,670	314,735	3,044	278,357	0.00	0.209	252	1.030	1,574	319	2.433	223
Wall Insul.	911	653	780	649	20	0	81.33	98,085	12.77	19,621	117,706	758	69,419	0.00	0.125	151	0.638	981	180	0.972	89
Open Blown Ceiling Insul.	1,146	827	977	824	37	0	72.80	87,794	17.76	27,165	114,959	517	47,223	0.00	0.088	107	0.480	734	139	0.529	48
Cavity Fill Insul.	300	181	266	180	2	0	9.50	11,456	1.36	2,099	13,555	191	17,657	0.00	0.053	64	0.681	1,050	75	0.719	66
Sloped Attic Insul.	407	282	335	282	7	0	15.00	18,091	2.75	4,102	22,193	149	13,682	0.00	0.053	64	0.393	586	79	0.446	41
Kneewall Insul.	332	233	292	233	3	0	5.68	6,847	0.30	445	7,292	68	6,228	0.00	0.024	29	0.099	148	31	0.233	21
Infil. Reduction	1,436	981	1,241	977	42	0	14.21	17,141	6.05	9,215	26,356	229	20,889	0.00	0.015	18	0.144	219	27	0.185	17
Found./Crawl. Insul.	538	125	498	117	12	0	6.34	7,652	3.17	4,811	12,463	123	11,210	0.00	0.054	65	0.264	401	100	0.246	23
Bandjoist Insul.	561	22	539	-	22	0	0.00	0	1.23	1,884	1,884	35	3,257	0.00	-	-	0.056	86	86	0.066	6
Exhaust Ventilation	513	21	492	-	21	0	0.00	0	-1.84	(2,803)	(2,803)	(33)	(3,002)	0.00	-	-	-0.087	(133)	(133)	-0.067	-6
Condensing Htg Sys Repl	656	0	656	-	-	0	0.00	0	0.00	0	0	933	85,113	0.00	-	-	-	-	-	1.422	130
Non-Cond Htg Sys Repl	97	0	97	-	-	0	0.00	0	0.00	0	0	73	6,681	0.00	-	-	-	-	-	0.753	69
Electric Htg Sys Repl	6	6	0	-	6	0	0.00	0	0.34	508	508	0	0	0.00	-	-	0.057	85	85	-	-
Heat Pump Repl	5	5	0	-	5	0	0.00	0	0.41	621	621	0	0	0.00	-	-	0.081	124	124	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Number of Measures by Fuel Type																		
	Total	Electric	Gas	Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	998	157	841	2,398	371	2,027	0	0.0	0.3	19,870	119.9	22,279	0.00	0.000	0.002	127	0.143	26
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	874	139	735	874	139	735	0	0.00	0.01	5,293	7.3	2,520	0.00	0.000	0.000	38	0.010	3
LF Showerhead	285	55	230	292	57	235	0	0.00	0.19	8,535	6.4	1,963	0.00	0.000	0.004	155	0.028	9
Faucet Aerator	425	78	347	724	133	591	0	0.00	0.09	3,880	3.2	982	0.00	0.000	0.001	50	0.009	3
Std-Eff Wtr Htr Repl.	169	30	139	172	30	142	0	0.00	0.02	788	22.4	3,656	0.00	0.000	0.001	26	0.161	26
Hi-Eff Wtr Htr Repl.	336	12	324	336	12	324	0	0.00	0.03	1,374	80.7	13,158	0.00	0.000	0.003	114	0.249	41
Lighting	998	998		10,596	10,596		0	21.9	40.4	208,190	-	-	0.00	0.022	0.040	209	-	-
CFL (5W)	57	57		385	385		0	0.31	0.57	2,917	-	-	0.00	0.005	0.010	51	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	292	292		1,689	1,689		0	2.60	4.80	24,734	-	-	0.00	0.009	0.016	85	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	354	354		2,365	2,365		0	5.64	10.42	53,712	-	-	0.00	0.016	0.029	152	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	410	410		3,711	3,711		0	10.82	19.99	103,047	-	-	0.00	0.026	0.049	251	-	-
CFL (23W)	291	291		1,692	1,692		0	1.73	3.19	16,447	-	-	0.00	0.006	0.011	57	-	-
CFL (25W)	57	57		754	754		0	0.77	1.42	7,332	-	-	0.00	0.014	0.025	129	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	1	1		1	1		0	0.06	0.05	457	-	-	0.00	0.056	0.053	457	-	-
Refrigerator Exchange	275	275		282	282		0	15.83	14.80	128,684	-	-	0.00	0.058	0.054	468	-	-
Freezer Removal	2	2		2	2		0	0.12	0.11	973	-	-	0.00	0.060	0.056	487	-	-
Freezer Exchange	56	56		56	56		0	3.35	3.13	27,208	-	-	0.00	0.060	0.056	486	-	-

Costs for Measures Without Energy Impacts Installed in 1468 Total Households with Spending and/or Energy Impacts:

Total		**0**	**0.00**
Unspecified Insul.	0	0	0.00
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	0	0	0.00
Htg. Sys./WH Other	0	0	0.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	0	0	0.00
Smoke Detector	0	0	0.00
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	0	0	0.00
Bathroom Ventilation	0	0	0.00
Other Exhaust Ventilation	0	0	0.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	0	0	0.00
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	0	0	0.00
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**0**	**0.00**
Grand Total of Expenditures:		**0**	

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4. DETAILED SPENDING AND IMPACT PROFILES BY AGENCY

This section provides tables of spending and impacts by agency for state and utility expenditures. Energy impacts were estimated according to the statewide algorithms, which include agency-specific adjustments.

New Opportunities
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**97**	**97**	**59**	**27**	**3**	**0**	**97**	**97**	**607,364**	**25.6**		**11.5**		**63,131**	**194**	**18,157**	**9,168**	**664**	**0**	**6261.48**	**0.264**		**0.118**		**651**	**3.282**	**308**	**340**	**221**	**-**
Shell & Htg. Sys.	97	94	59	26	3	0	94	9	541,995	23.2	28,030	8.3	12,746	40,777	187	17,106	8,867	664	0	5587.58	0.247	298	0.926	1,416	434	3.178	290	341	221	-
Wall Insul.	78	75	47	23	2	0	75	6	103,884	9.56	11,531	2.91	4,450	15,981	45	4,104	2,168	150	0	1331.84	0.127	154	0.485	742	213	0.957	87	94	75	-
Open Blown Ceiling Insul.	89	86	55	22	3	0	86	9	61,172	5.65	6,816	2.40	3,662	10,478	16	1,488	1,055	56	0	687.33	0.066	79	0.266	407	122	0.297	27	48	19	-
Cavity Fil Insul.	33	28	21	10	2	0	28	0	27,712	1.83	2,213	0.00	0	2,213	12	1,097	776	37	0	839.77	0.066	79	-	-	79	0.572	52	78	18	-
Sloped Attic Insul.	41	40	28	9	1	0	40	3	16,372	2.58	3,114	1.73	2,650	5,764	15	1,400	573	12	0	399.33	0.065	78	0.578	883	144	0.548	50	64	12	-
Kneewall Insul.	36	34	22	11	0	0	34	3	7,613	0.78	946	0.16	251	1,197	4	327	201	0	0	211.47	0.023	28	0.055	84	35	0.163	15	18	-	-
Infil. Reduction	97	94	59	26	3	0	94	9	59,794	1.26	1,515	0.44	672	2,187	8	768	363	24	0	616.44	0.013	16	0.049	75	23	0.143	13	14	8	-
Found./Crawl. Insul.	58	29	37	15	2	0	28	4	37,237	1.57	1,896	0.90	1,377	3,272	12	1,062	397	31	0	642.01	0.056	68	0.225	344	113	0.315	29	26	16	-
Bandjoist Insul.	54	5	30	16	3	0	-	5	4,068	0.00	0	0.21	323	323	1	95	94	12	0	75.34	-	-	0.042	65	65	0.035	3	6	4	-
Exhaust Ventilation	38	7	24	6	1	0	-	7	45,258	0.00	0	-0.61	(934)	(934)	(2)	(143)	(39)	(4)	0	1191.00	-	-	-0.087	(133)	(133)	-0.065	-6	-7	-4	-
Condensing Htg Sys Repl	64	0	45	16	3	0	-	-	169,552	0.00	0	0.00	0	0	75	6,832	3,175	347	0	2649.25	-	-	-	-	-	1.664	152	198	116	-
Non-Cond Htg Sys Repl	2	0	1	1	0	0	-	-	4,075	0.00	0	0.00	0	0	1	75	104	0	0	2037.50	-	-	-	-	-	0.823	75	104	-	-
Electric Htg Sys Repl	3	3	0	0	0	0	-	3	5,257	0.00	0	0.19	295	295	0	0	0	0	0	1752.33	-	-	0.064	98	98	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	94	33	48	13	0	0	45,446	0.0	0.0	1,623	6.1	1,051	301	0	0	483.47	0.000	0.001	49	0.128	22	23	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	53	20	27	6	0	0	318	0.00	0.00	761	0.3	91	22	0	0	6.00	0.000	0.000	38	0.010	3	4	-	-
LF Showerhead	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Std-Eff Wtr Htr Repl.	13	7	3	3	0	0	9,948	0.00	0.00	183	0.4	59	64	0	0	765.23	0.000	0.001	26	0.121	20	21	-	-
Hi-Eff Wtr Htr Repl.	33	6	22	5	0	0	35,180	0.00	0.02	679	5.5	901	215	0	0	1066.06	0.000	0.003	113	0.251	41	43	-	-
Lighting	97	97					882	1.0	1.8	9,096	-	-	-	-	-	20.43	0.010	0.018	94	-	-	-	-	-
CFL (5W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	24	24					39	0.06	0.11	570	-	-	-	-	-	10.56	0.002	0.005	24	-	-	-	-	-
CFL (14W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (18W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	4	4					19	0.06	0.10	528	-	-	-	-	-	9.74	0.014	0.026	132	-	-	-	-	-
CFL (23W)	93	93					824	0.84	1.55	7,999	-	-	-	-	-	18.16	0.009	0.017	86	-	-	-	-	-
CFL (25W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	21	21					25	25		17,941	1.43	1.34	11,634	-	-	-	-	-	854.35	0.068	0.064	554		
Refrigerator Removal	0	0					0	0		0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	15	15					17	17		13,545	0.95	0.89	7,755	-	-	-	-	-	902.99	0.064	0.059	517	-	-
Freezer Removal	0	0					0	0		0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-
Freezer Exchange	8	8					8	8		4,396	0.48	0.45	3,879	-	-	-	-	-	549.56	0.060	0.056	485	-	-

Costs for Measures Without Energy Impacts Installed in 97 Total Households with Spending and/or Energy Impacts:

Total		**299,767**	**3090.38**
Unspecified Insul.	94	21,335	226.97
Duct Sealing	6	581	96.85
Duct Insulation	31	3,128	100.92
Damming Material	64	1,628	25.43
Htg. Sys. Tune & Clean	23	4,370	189.98
Htg. Sys./WH Other	62	18,947	305.60
Air Conditioning Work	0	0	0.00
Water Heater Repair	5	1,560	311.92
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	90	3,326	36.95
Smoke Detector	90	1,706	18.95
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	17	2,270	133.53
Water Heater Ventilation	33	4,585	138.94
Bathroom Ventilation	20	1,997	99.86
Other Exhaust Ventilation	55	4,584	83.34
Health/Safety Repairs	1	123	122.72
Health/Safety Other	29	2,503	86.30
Consumables	0	0	0.00
General Repairs	95	56,952	599.50
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	70	163,182	2331.17
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	58	3,644	62.83
Unspecifed	58	3,349	57.73
Total Reported Materials, Labor, and Support Costs:		**907,131**	**9,351.86**
Grand Total of Expenditures:		**907,131**	

Hawkeye Area Community Action Program
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**419**	**403**	**360**	**50**	**1**	**0**	**401**	**340**	**2,002,946**	**57.0**		**28.1**		**182,072**	**690**	**64,560**	**13,411**	**232**	**0**	**4780.30**	**0.142**		**0.083**		**452**	**1.918**	**179**	**268**	**232**	**-**
Shell & Htg. Sys.	419	353	358	50	1	0	351	10	1,720,554	44.4	53,606	9.6	14,801	68,407	676	62,143	13,294	232	0	4106.33	0.127	153	0.961	1,480	194	1.888	174	266	232	-
Wall Insul.	194	160	161	29	1	0	160	3	441,201	16.87	20,341	2.41	3,708	24,049	158	14,515	3,083	55	0	2274.23	0.105	127	0.802	1,236	150	0.981	90	106	55	-
Open Blown Ceiling Insul.	244	205	207	30	1	0	204	6	177,449	16.53	19,931	3.46	5,329	25,260	107	9,821	1,933	81	0	727.25	0.081	98	0.577	888	123	0.516	47	64	81	-
Cavity Fi l Insul.	59	32	50	8	0	0	31	1	46,255	1.71	2,066	1.22	1,881	3,947	32	2,971	700	0	0	783.98	0.055	67	1.221	1,881	123	0.646	59	88	-	-
Sloped Attic Insul.	67	49	60	6	0	0	48	1	28,411	2.16	2,600	0.63	966	3,566	25	2,278	312	0	0	424.05	0.045	54	0.627	966	73	0.413	38	52	-	-
Kneewall Insul.	46	31	42	4	0	0	31	0	16,090	0.93	1,118	0.00	0	1,118	10	925	58	0	0	349.78	0.030	36	-	-	36	0.240	22	14	-	-
Infil. Reduction	417	352	357	49	1	0	350	10	186,804	4.45	5,364	1.15	1,768	7,132	69	6,356	857	6	0	447.97	0.013	15	0.115	177	20	0.194	18	17	6	-
Found./Crawl. Insul.	209	41	174	32	0	0	40	3	222,547	1.81	2,186	0.96	1,484	3,670	57	5,198	1,110	0	0	1064.82	0.045	55	0.321	495	90	0.325	30	35	-	-
Bandjoist Insul.	213	7	177	29	0	0	-	7	36,966	0.00	0	0.17	254	254	9	841	188	0	0	173.55	-	-	0.024	36	36	0.052	5	6	-	-
Exhaust Ventilation	201	7	163	31	0	0	-	7	108,713	0.00	0	-0.61	(934)	(934)	(11)	(1,002)	(207)	0	0	540.86	-	-	-0.087	(133)	(133)	-0.067	-6	-7	-	-
Condensing Htg Sys Repl	169	0	140	28	1	0	-	-	378,416	0.00	0	0.00	0	0	197	18,103	5,012	90	0	2239.14	-	-	-	-	-	1.407	129	179	90	-
Non-Cond Htg Sys Repl	39	0	35	4	0	0	-	-	68,151	0.00	0	0.00	0	0	23	2,137	247	0	0	1747.46	-	-	-	-	-	0.664	61	62	-	-
Electric Htg Sys Repl	5	5	0	0	0	0	-	5	9,552	0.00	0	0.22	345	345	0	0	0	0	0	1910.40	-	-	0.045	69	69	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	117	24	89	4	0	0	127	26	97	4	0	0	203,382	0.0	0.0	1,133	14.4	2,417	117	0	0	1738.31	0.000	0.000	47	0.161	27	29	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	64	23	41	0	0	0	64	23	41	0	0	0	863	0.00	0.00	877	0.4	142	0	0	0	13.48	0.000	0.000	38	0.010	3	-	-	-
LF Showerhead	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Std-Eff Wtr Htr Repl.	6	1	1	4	0	0	6	1	1	4	0	0	102,921	0.00	0.00	26	0.1	20	117	0	0	17153.50	0.000	0.001	26	0.120	20	29	-	-
Hi-Eff Wtr Htr Repl.	57	2	55	0	0	0	57	2	55	0	0	0	99,598	0.00	0.01	229	13.8	2,256	0	0	0	1747.33	0.000	0.003	115	0.251	41	-	-	-
Lighting	317	317					3,139	3,139					22,099	7.4	13.6	70,323	-	-	-	-	-	69.71	0.023	0.043	222	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	310	310					3,032	3,032					21,350	7.24	13.37	68,921	-	-	-	-	-	68.87	0.023	0.043	222	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	2	2					20	20					140	0.06	0.11	556	-	-	-	-	-	70.00	0.029	0.054	278	-	-	-	-	-
CFL (23W)	20	20					87	87					609	0.09	0.16	846	-	-	-	-	-	30.45	0.004	0.008	42	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	86	86					92	92					56,912	5.19	4.85	42,209	-	-	-	-	-	661.77	0.060	0.056	491					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	82	82					84	84					53,174	4.71	4.41	38,330	-	-	-	-	-	648.46	0.057	0.054	467	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	8	8					8	8					3,738	0.48	0.45	3,879	-	-	-	-	-	467.25	0.060	0.056	485	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 419 Total Households with Spending and/or Energy Impacts:

Total		**1,775,770**	**4238.12**
Unspecified Insul.	392	186,521	475.82
Duct Sealing	212	50,345	237.48
Duct Insulation	68	8,496	124.94
Damming Material	181	11,160	61.66
Htg. Sys. Tune & Clean	151	13,075	86.59
Htg. Sys./WH Other	85	22,635	266.29
Air Conditioning Work	2	75	37.50
Water Heater Repair	17	2,341	137.68
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	335	23,829	71.13
Smoke Detector	145	8,915	61.48
Fuses	6	518	86.40
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	48	25,168	524.33
Bathroom Ventilation	95	12,801	134.75
Other Exhaust Ventilation	231	35,522	153.77
Health/Safety Repairs	1	270	270.00
Health/Safety Other	145	70,814	488.37
Consumables	196	8,973	45.78
General Repairs	311	177,580	571.00
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	419	1,007,666	2404.93
Transportation Allowance	219	36,622	167.22
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	274	71,492	260.92
Unspecifed	5	952	190.44
Total Reported Materials, Labor, and Support Costs:		**3,778,716**	**9,018.42**
Grand Total of Expenditures:		**3,778,716**	

Community Action of Eastern Iowa
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**242**	**242**	**208**	**30**	**3**	**0**	**242**	**223**	**1,584,825**	**46.4**		**14.1**		**127,027**	**604**	**57,407**	**10,776**	**585**	**0**	**6548.86**	**0.192**		**0.063**		**525**	**2.904**	**276**	**359**	**195**	**-**
Shell & Htg. Sys.	242	224	206	29	3	0	222	4	1,314,587	38.2	46,055	3.3	5,021	51,076	585	53,742	10,469	585	0	5432.18	0.172	207	0.815	1,255	228	2.838	261	361	195	-
Wall Insul.	163	150	137	21	2	0	149	3	294,485	15.48	18,664	1.41	2,167	20,831	142	13,091	1,850	22	0	1806.66	0.104	125	0.469	722	139	1.040	96	88	11	-
Open Blown Ceiling Insul.	186	174	157	23	3	0	173	3	128,969	10.65	12,842	0.61	933	13,775	68	6,214	1,193	250	0	693.38	0.062	74	0.202	311	79	0.431	40	52	83	-
Cavity Fil Insul.	77	62	70	7	0	0	62	0	64,488	3.33	4,011	0.00	0	4,011	62	5,731	783	0	0	837.50	0.054	65	-	-	65	0.891	82	112	-	-
Sloped Attic Insul.	80	70	73	6	0	0	69	1	27,154	2.85	3,433	0.57	874	4,307	32	2,976	321	0	0	339.42	0.041	50	0.567	874	62	0.443	41	54	-	-
Kneewall Insul.	66	55	57	7	1	0	54	1	31,847	0.98	1,185	0.03	41	1,227	12	1,136	140	18	0	482.52	0.018	22	0.027	41	22	0.217	20	20	18	-
Infil. Reduction	240	223	204	29	3	0	221	4	117,997	2.50	3,020	0.43	669	3,690	43	3,977	573	49	0	491.66	0.011	14	0.109	167	17	0.212	19	20	16	-
Found./Crawl. Insul.	143	54	118	21	3	0	53	1	103,008	2.40	2,900	0.11	163	3,063	19	1,716	444	12	0	720.34	0.045	55	0.106	163	57	0.158	15	21	4	-
Bandjoist Insul.	170	3	140	25	2	0	-	3	56,372	0.00	0	0.11	174	174	11	986	196	10	0	331.60	-	-	0.038	58	58	0.077	7	8	5	-
Exhaust Ventilation	67	0	57	10	0	0	-	0	23,505	0.00	0	0.00	0	0	(4)	(338)	(66)	0	0	350.83	-	-	-	-	-	-0.064	-6	-7	-	-
Condensing Htg Sys Repl	135	0	112	22	1	0	-	-	413,934	0.00	0	0.00	0	0	185	17,019	4,734	147	0	3066.18	-	-	-	-	-	1.653	152	215	147	-
Non-Cond Htg Sys Repl	21	0	17	3	1	0	-	-	52,829	0.00	0	0.00	0	0	13	1,235	300	76	0	2515.67	-	-	-	-	-	0.791	73	100	76	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	177	39	127	11	0	0	506	101	368	37	0	0	205,864	0.0	0.1	4,578	19.4	3,665	307	0	0	1163.07	0.000	0.002	117	0.153	29	28	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	151	33	109	9	0	0	151	33	109	9	0	0	1,119	0.00	0.00	1,261	1.1	373	34	0	0	7.41	0.000	0.000	38	0.010	3	4	-	-
LF Showerhead	62	8	51	3	0	0	63	8	51	4	0	0	720	0.00	0.03	1,246	1.4	425	27	0	0	11.61	0.000	0.004	156	0.027	8	9	-	-
Faucet Aerator	114	27	78	9	0	0	190	47	128	15	0	0	687	0.00	0.03	1,375	0.7	209	27	0	0	6.03	0.000	0.001	51	0.009	3	3	-	-
Std-Eff Wtr Htr Repl.	61	9	44	8	0	0	62	9	44	9	0	0	135,696	0.00	0.01	237	7.6	1,238	219	0	0	2224.52	0.000	0.001	26	0.172	28	27	-	-
Hi-Eff Wtr Htr Repl.	40	4	36	0	0	0	40	4	36	0	0	0	67,642	0.00	0.01	459	8.7	1,421	0	0	0	1691.05	0.000	0.003	115	0.242	39	-	-	-
Lighting	212	212					2,613	2,613					18,411	3.4	6.3	32,561	-	-	-	-	-	86.84	0.016	0.030	154	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	9	9					15	15					225	0.02	0.04	220	-	-	-	-	-	25.00	0.003	0.005	24	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	11	11					41	41					287	0.10	0.18	932	-	-	-	-	-	26.09	0.009	0.016	85	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	44	44					362	362					2,534	1.06	1.95	10,061	-	-	-	-	-	57.59	0.024	0.044	229	-	-	-	-	-
CFL (23W)	43	43					396	396					2,772	0.40	0.75	3,852	-	-	-	-	-	64.47	0.009	0.017	90	-	-	-	-	-
CFL (25W)	149	149					1,799	1,799					12,593	1.84	3.39	17,495	-	-	-	-	-	84.52	0.012	0.023	117	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	80	80					84	84					45,963	4.77	4.46	38,811	-	-	-	-	-	574.54	0.060	0.056	485					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	69	69					69	69					40,278	3.88	3.62	31,513	-	-	-	-	-	583.74	0.056	0.053	457	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	15	15					15	15					5,685	0.90	0.84	7,298	-	-	-	-	-	379.00	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 242 Total Households with Spending and/or Energy Impacts:

Total		**1,102,936**	**4557.59**
Unspecified Insul.	233	52,221	224.13
Duct Sealing	195	31,114	159.56
Duct Insulation	138	7,027	50.92
Damming Material	128	3,281	25.63
Htg. Sys. Tune & Clean	235	36,550	155.53
Htg. Sys./WH Other	187	77,193	412.80
Air Conditioning Work	1	150	150.00
Water Heater Repair	17	1,388	81.66
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	19	1,900	100.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	174	8,990	51.67
Smoke Detector	138	7,146	51.79
Fuses	0	0	0.00
Htg Sys Safety Check	200	28,459	142.29
Htg Sys Ventilation	43	6,151	143.05
Water Heater Ventilation	112	22,510	200.99
Bathroom Ventilation	133	17,117	128.70
Other Exhaust Ventilation	187	31,979	171.01
Health/Safety Repairs	0	0	0.00
Health/Safety Other	63	15,834	251.34
Consumables	194	12,305	63.43
General Repairs	238	166,582	699.92
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	170	458,027	2694.28
Transportation Allowance	123	19,793	160.92
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	174	64,299	369.54
Unspecifed	89	32,916	369.85
Total Reported Materials, Labor, and Support Costs:		**2,687,761**	**11,106.45**
Grand Total of Expenditures:		**2,687,761**	

MATURA Action Corporation
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**52**	**52**	**32**	**15**	**0**	**0**	**52**	**51**	**287,409**	**17.0**		**9.0**		**45,422**	**166**	**14,644**	**7,158**	**0**	**0**	**5527.09**	**0.327**		**0.176**		**873**	**5.176**	**458**	**477**	**-**	**-**
Shell & Htg. Sys.	52	52	32	15	0	0	51	5	256,011	15.2	18,368	6.3	9,106	27,473	162	13,985	6,867	0	0	4923.28	0.299	360	1.261	1,821	528	5.071	437	458	-	-
Wall Insul.	36	36	25	8	0	0	35	3	53,537	5.61	6,769	1.18	1,706	8,475	39	3,328	834	0	0	1487.15	0.160	193	0.394	569	235	1.545	133	104	-	-
Open Blown Ceiling Insul.	50	50	32	13	0	0	49	5	47,975	5.02	6,058	4.01	5,790	11,849	24	2,061	1,596	0	0	959.51	0.103	124	0.802	1,158	237	0.748	64	123	-	-
Cavity Fil Insul.	13	13	10	2	0	0	13	1	6,941	0.98	1,181	0.32	463	1,645	10	884	169	0	0	533.93	0.075	91	0.321	463	127	1.026	88	85	-	-
Sloped Attic Insul.	21	20	16	5	0	0	20	0	7,334	1.59	1,923	0.00	0	1,923	13	1,127	270	0	0	349.25	0.080	96	-	-	96	0.817	70	54	-	-
Kneewall Insul.	8	8	6	2	0	0	8	0	2,355	0.13	153	0.00	0	153	1	94	67	0	0	294.36	0.016	19	-	-	19	0.183	16	33	-	-
Infil. Reduction	52	52	32	15	0	0	51	5	34,018	0.84	1,007	0.44	630	1,637	11	979	673	0	0	654.20	0.016	20	0.087	126	31	0.355	31	45	-	-
Found./Crawl. Insul.	28	17	19	7	0	0	15	2	12,804	1.06	1,276	0.29	418	1,693	6	525	174	0	0	457.27	0.071	85	0.145	209	100	0.320	28	25	-	-
Bandjoist Insul.	36	3	26	7	0	0	-	3	2,674	0.00	0	0.16	234	234	2	140	65	0	0	74.28	-	-	0.054	78	78	0.063	5	9	-	-
Exhaust Ventilation	22	2	15	5	0	0	-	2	12,279	0.00	0	-0.18	(267)	(267)	(2)	(150)	(55)	0	0	558.15	-	-	-0.092	(133)	(133)	-0.116	-10	-11	-	-
Condensing Htg Sys Repl	28	0	20	8	0	0	-	-	69,567	0.00	0	0.00	0	0	58	4,997	2,829	0	0	2484.54	-	-	-	-	-	2.899	250	354	-	-
Non-Cond Htg Sys Repl	1	0	0	1	0	0	-	-	3,925	0.00	0	0.00	0	0	0	0	245	0	0	3925.00	-	-	-	-	-	-	-	245	-	-
Electric Htg Sys Repl	1	1	0	0	0	0	-	1	2,600	0.00	0	0.09	132	132	0	0	0	0	0	2600.00	-	-	0.092	132	132	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	43	18	21	4	0	0	75	31	36	8	0	0	18,029	0.0	0.0	1,972	3.3	659	291	0	0	419.28	0.000	0.002	110	0.159	31	73	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	42	18	21	3	0	0	42	18	21	3	0	0	288	0.00	0.00	685	0.3	119	18	0	0	6.86	0.000	0.000	38	0.016	6	6	-	-
LF Showerhead	16	7	8	1	0	0	18	9	8	1	0	0	190	0.00	0.02	1,090	0.4	110	15	0	0	11.88	0.000	0.004	156	0.044	14	15	-	-
Faucet Aerator	1	1	0	0	0	0	1	1	0	0	0	0	6	0.00	0.00	29	0.0	0	0	0	0	6.00	0.000	0.001	29	-	-	-	-	-
Std-Eff Wtr Htr Repl.	8	2	5	1	0	0	8	2	5	1	0	0	9,590	0.00	0.00	53	1.5	250	41	0	0	1198.75	0.000	0.001	26	0.307	50	41	-	-
Hi-Eff Wtr Htr Repl.	6	1	2	3	0	0	6	1	2	3	0	0	7,955	0.00	0.00	115	1.1	181	217	0	0	1325.83	0.000	0.003	115	0.554	90	72	-	-
Lighting	51	51					441	441					3,087	1.0	1.9	9,974	-	-	-	-	-	60.53	0.021	0.038	196	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	42	42					243	243					1,701	0.58	1.07	5,515	-	-	-	-	-	40.50	0.014	0.025	131	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	30	30					141	141					987	0.41	0.76	3,906	-	-	-	-	-	32.90	0.014	0.025	130	-	-	-	-	-
CFL (23W)	20	20					53	53					371	0.05	0.10	514	-	-	-	-	-	18.55	0.003	0.005	26	-	-	-	-	-
CFL (25W)	1	1					4	4					28	0.00	0.01	39	-	-	-	-	-	28.00	0.004	0.008	39	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	12	12					13	13					10,282	0.74	0.69	6,003	-	-	-	-	-	856.83	0.062	0.058	500					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	10	10					10	10					8,200	0.56	0.52	4,557	-	-	-	-	-	820.00	0.056	0.052	456	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	3	3					3	3					2,082	0.18	0.17	1,447	-	-	-	-	-	694.00	0.059	0.055	482	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 52 Total Households with Spending and/or Energy Impacts:

Total		**239,418**	**4604.20**
Unspecified Insul.	49	15,806	322.56
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	28	1,018	36.36
Htg. Sys. Tune & Clean	18	5,034	279.67
Htg. Sys./WH Other	42	11,349	270.21
Air Conditioning Work	0	0	0.00
Water Heater Repair	2	1,300	650.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	33	966	29.27
Smoke Detector	29	814	28.08
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	6	725	120.83
Water Heater Ventilation	19	5,294	278.63
Bathroom Ventilation	14	3,195	228.21
Other Exhaust Ventilation	28	4,563	162.96
Health/Safety Repairs	0	0	0.00
Health/Safety Other	3	1,925	641.67
Consumables	0	0	0.00
General Repairs	52	54,783	1053.52
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	43	117,374	2729.63
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	42	14,124	336.29
Unspecifed	2	1,148	574.00
Total Reported Materials, Labor, and Support Costs:		**526,827**	**10,131.29**
Grand Total of Expenditures:		**526,827**	

Mid-Iowa Community Action
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**184**	**183**	**154**	**20**	**3**	**0**	**183**	**177**	**1,024,623**	**36.0**		**19.7**		**110,175**	**439**	**42,616**	**6,447**	**966**	**0**	**5568.61**	**0.197**		**0.111**		**602**	**2.852**	**277**	**322**	**322**	**-**
Shell & Htg. Sys.	183	172	148	19	3	0	170	13	909,468	30.8	37,136	11.5	18,002	55,138	420	39,164	6,198	966	0	4969.77	0.181	218	0.887	1,385	321	2.839	265	326	322	-
Wall Insul.	126	117	101	16	2	0	117	7	249,207	12.48	15,048	4.58	7,148	22,196	124	11,568	1,822	232	0	1977.83	0.107	129	0.654	1,021	190	1.229	115	114	116	-
Open Blown Ceiling Insul.	148	138	117	16	3	0	137	12	117,676	9.78	11,789	2.19	3,414	15,203	49	4,611	562	127	0	795.11	0.071	86	0.182	284	110	0.423	39	35	42	-
Cavity Fil Insul.	38	30	29	6	1	0	29	2	26,572	1.63	1,968	0.73	1,138	3,106	24	2,270	654	86	0	699.27	0.056	68	0.364	569	104	0.840	78	109	86	-
Sloped Attic Insul.	64	55	51	9	0	0	55	4	22,144	2.66	3,211	1.94	3,031	6,243	23	2,186	376	0	0	346.00	0.048	58	0.485	758	114	0.460	43	42	-	-
Kneewall Insul.	29	25	27	2	0	0	25	0	14,897	0.40	485	0.00	0	485	5	434	27	0	0	513.69	0.016	19	-	-	19	0.173	16	14	-	-
Infil. Reduction	182	171	147	19	3	0	169	13	129,937	1.99	2,396	1.32	2,064	4,460	29	2,711	302	46	0	713.94	0.012	14	0.102	159	26	0.198	18	16	15	-
Found./Crawl. Insul.	88	41	72	12	1	0	40	3	58,676	1.86	2,239	0.62	963	3,202	14	1,341	228	5	0	666.77	0.046	56	0.206	321	78	0.200	19	19	5	-
Bandjoist Insul.	113	6	90	14	3	0	-	6	14,043	0.00	0	0.46	713	713	6	519	145	15	0	124.27	-	-	0.076	119	119	0.062	6	10	5	-
Exhaust Ventilation	89	7	71	9	2	0	-	7	53,318	0.00	0	-0.60	(934)	(934)	(5)	(473)	(63)	(10)	0	599.08	-	-	-0.085	(133)	(133)	-0.071	-7	-7	-5	-
Condensing Htg Sys Repl	97	0	85	9	3	0	-	-	184,320	0.00	0	0.00	0	0	143	13,336	2,060	464	0	1900.21	-	-	-	-	-	1.684	157	229	155	-
Non-Cond Htg Sys Repl	12	0	11	1	0	0	-	-	26,491	0.00	0	0.00	0	0	7	661	85	0	0	2207.57	-	-	-	-	-	0.645	60	85	-	-
Electric Htg Sys Repl	4	4	0	0	0	0	-	4	7,231	0.00	0	0.22	340	340	0	0	0	0	0	1807.71	-	-	0.054	85	85	-	-	-	-	-
Heat Pump Repl	1	1	0	0	0	0	-	1	4,958	0.00	0	0.08	125	125	0	0	0	0	0	4958.05	-	-	0.080	125	125	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	178	60	110	8	0	0	415	146	249	20	0	0	93,350	0.0	0.1	7,813	18.9	3,452	249	0	0	524.44	0.000	0.002	130	0.172	31	31	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	131	49	76	6	0	0	131	49	76	6	0	0	383	0.00	0.00	1,867	0.8	291	25	0	0	2.92	0.000	0.000	38	0.011	4	4	-	-
LF Showerhead	62	25	33	4	0	0	62	25	33	4	0	0	240	0.00	0.09	3,885	1.0	305	41	0	0	3.88	0.000	0.004	155	0.030	9	10	-	-
Faucet Aerator	97	39	54	4	0	0	141	58	77	6	0	0	235	0.00	0.04	1,693	0.5	140	12	0	0	2.42	0.000	0.001	43	0.008	3	3	-	-
Std-Eff Wtr Htr Repl.	26	14	12	0	0	0	26	14	12	0	0	0	22,759	0.00	0.01	368	1.8	290	0	0	0	875.35	0.000	0.001	26	0.148	24	-	-	-
Hi-Eff Wtr Htr Repl.	55	0	51	4	0	0	55	0	51	4	0	0	69,732	0.00	0.00	0	14.9	2,426	170	0	0	1267.86	-	-	-	0.292	48	43	-	-
Lighting	170	170					1,657	1,657					3,651	3.5	6.4	32,872	-	-	-	-	-	21.48	0.020	0.038	193	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	161	161					1,292	1,292					2,707	3.08	5.69	29,326	-	-	-	-	-	16.81	0.019	0.035	182	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (23W)	127	127					365	365					944	0.37	0.69	3,546	-	-	-	-	-	7.43	0.003	0.005	28	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	29	29					31	31					18,154	1.77	1.65	14,351	-	-	-	-	-	626.01	0.061	0.057	495					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	23	23					23	23					14,372	1.29	1.20	10,472	-	-	-	-	-	624.89	0.056	0.052	455	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	8	8					8	8					3,782	0.48	0.45	3,879	-	-	-	-	-	472.73	0.060	0.056	485	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 184 Total Households with Spending and/or Energy Impacts:

Total		**757,783**	**4118.38**
Unspecified Insul.	53	11,323	213.63
Duct Sealing	81	15,687	193.66
Duct Insulation	85	7,419	87.28
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	72	6,044	83.95
Htg. Sys./WH Other	132	24,534	185.87
Air Conditioning Work	0	0	0.00
Water Heater Repair	55	1,952	35.50
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	168	4,986	29.68
Smoke Detector	76	1,905	25.07
Fuses	3	324	108.16
Htg Sys Safety Check	183	30,252	165.31
Htg Sys Ventilation	30	2,858	95.27
Water Heater Ventilation	75	6,928	92.38
Bathroom Ventilation	28	4,545	162.33
Other Exhaust Ventilation	86	9,986	116.12
Health/Safety Repairs	0	0	0.00
Health/Safety Other	53	10,234	193.09
Consumables	0	0	0.00
General Repairs	153	91,413	597.47
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	184	488,296	2653.78
Transportation Allowance	80	19,316	241.45
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	101	14,730	145.84
Unspecifed	11	5,051	459.16
Total Reported Materials, Labor, and Support Costs:		**1,782,406**	**9,686.99**
Grand Total of Expenditures:		**1,782,406**	

Mid-Sioux Opportunity
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**85**	**84**	**65**	**8**	**0**	**0**	**84**	**75**	**499,358**	**20.3**		**15.1**		**71,397**	**162**	**15,390**	**2,338**	**0**	**0**	**5874.80**	**0.242**		**0.201**		**850**	**2.495**	**237**	**292**	**-**	**-**
Shell & Htg. Sys.	85	78	65	8	0	0	78	12	435,036	16.6	20,078	10.0	15,337	35,415	156	14,213	2,308	0	0	5118.07	0.213	257	0.836	1,278	454	2.397	219	288	-	-
Wall Insul.	52	48	43	6	0	0	48	3	66,744	6.31	7,612	0.28	430	8,042	37	3,383	306	0	0	1283.54	0.131	159	0.094	143	168	0.862	79	51	-	-
Open Blown Ceiling Insul.	76	69	57	7	0	0	69	12	57,317	5.75	6,939	5.49	8,387	15,325	15	1,362	560	0	0	754.17	0.083	101	0.457	699	222	0.262	24	80	-	-
Cavity Fil Insul.	23	16	20	2	0	0	16	1	20,214	0.89	1,069	1.08	1,651	2,720	13	1,166	80	0	0	878.87	0.055	67	1.080	1,651	170	0.639	58	40	-	-
Sloped Attic Insul.	34	30	27	3	0	0	30	4	10,825	1.86	2,248	2.08	3,177	5,425	11	969	90	0	0	318.38	0.062	75	0.519	794	181	0.393	36	30	-	-
Kneewall Insul.	22	20	18	3	0	0	20	1	3,897	0.48	574	0.03	52	626	3	262	36	0	0	177.14	0.024	29	0.034	52	31	0.159	15	12	-	-
Infil. Reduction	85	78	65	8	0	0	78	12	46,182	1.24	1,501	0.75	1,151	2,652	8	728	119	0	0	543.32	0.016	19	0.063	96	34	0.123	11	15	-	-
Found./Crawl. Insul.	6	2	6	0	0	0	2	0	25,762	0.11	136	0.00	0	136	1	102	0	0	0	4293.67	0.056	68	-	-	68	0.186	17	-	-	-
Bandjoist Insul.	57	8	43	6	0	0	-	8	14,389	0.00	0	0.70	1,063	1,063	3	269	44	0	0	252.44	-	-	0.087	133	133	0.069	6	7	-	-
Exhaust Ventilation	55	7	41	7	0	0	-	7	24,083	0.00	0	-0.61	(934)	(934)	(2)	(208)	(39)	0	0	437.87	-	-	-0.087	(133)	(133)	-0.056	-5	-6	-	-
Condensing Htg Sys Repl	57	0	51	6	0	0	-	-	150,389	0.00	0	0.00	0	0	67	6,107	1,112	0	0	2638.41	-	-	-	-	-	1.312	120	185	-	-
Non-Cond Htg Sys Repl	1	0	1	0	0	0	-	-	4,600	0.00	0	0.00	0	0	1	73	0	0	0	4600.00	-	-	-	-	-	0.800	73	-	-	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	2	2	0	0	0	0	-	2	10,634	0.00	0	0.24	360	360	0	0	0	0	0	5317.00	-	-	0.118	180	180	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	79	31	47	1	0	0	35,852	0.0	0.1	3,735	6.4	1,177	31	0	0	453.82	0.000	0.002	120	0.136	25	31	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	77	31	45	1	0	0	486	0.00	0.00	1,177	0.4	129	3	0	0	6.31	0.000	0.000	38	0.008	3	3	-	-
LF Showerhead	21	9	12	0	0	0	220	0.00	0.03	1,394	0.3	83	0	0	0	10.48	0.000	0.004	155	0.023	7	-	-	-
Faucet Aerator	40	15	25	0	0	0	183	0.00	0.02	699	0.2	50	0	0	0	4.58	0.000	0.001	47	0.007	2	-	-	-
Std-Eff Wtr Htr Repl.	31	9	21	1	0	0	20,279	0.00	0.01	236	2.9	476	28	0	0	654.16	0.000	0.001	26	0.139	23	28	-	-
Hi-Eff Wtr Htr Repl.	15	2	13	0	0	0	14,684	0.00	0.01	229	2.7	438	0	0	0	978.93	0.000	0.003	115	0.207	34	-	-	-
Lighting	54	54					5,202	1.7	3.2	16,522	-	-	-	-	-	96.33	0.032	0.059	306	-	-	-	-	-
CFL (5W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	4	4					8	0.01	0.02	116	-	-	-	-	-	30.00	0.003	0.006	29	-	-	-	-	-
CFL (14W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	23	23					145	0.35	0.64	3,286	-	-	-	-	-	44.13	0.015	0.028	143	-	-	-	-	-
CFL (18W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	45	45					416	1.21	2.23	11,518	-	-	-	-	-	64.71	0.027	0.050	256	-	-	-	-	-
CFL (23W)	31	31					165	0.17	0.31	1,602	-	-	-	-	-	37.26	0.005	0.010	52	-	-	-	-	-
CFL (25W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	30	30					34	34	23,268	1.93	1.81	15,726	-	-	-	-	775.60	0.064	0.060	524					
Refrigerator Removal	0	0					0	0	0	0.00	0.00	0	-	-	-	-	0.00	-	-	-	-	-	-	-
Refrigerator Exchange	24	24					25	25	17,823	1.40	1.31	11,386	-	-	-	-	742.62	0.058	0.055	474	-	-	-	-
Freezer Removal	0	0					0	0	0	0.00	0.00	0	-	-	-	-	0.00	-	-	-	-	-	-	-
Freezer Exchange	9	9					9	9	5,445	0.53	0.50	4,340	-	-	-	-	605.00	0.059	0.055	482	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 85 Total Households with Spending and/or Energy Impacts:

Total		**323,541**	**3806.36**
Unspecified Insul.	76	24,685	324.81
Duct Sealing	7	648	92.57
Duct Insulation	1	51	51.00
Damming Material	23	558	24.26
Htg. Sys. Tune & Clean	26	5,585	214.81
Htg. Sys./WH Other	68	18,111	266.34
Air Conditioning Work	0	0	0.00
Water Heater Repair	26	768	29.54
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	77	8,431	109.49
Smoke Detector	73	6,779	92.86
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	14	1,850	132.14
Water Heater Ventilation	35	4,693	134.09
Bathroom Ventilation	66	14,115	213.86
Other Exhaust Ventilation	69	9,126	132.26
Health/Safety Repairs	0	0	0.00
Health/Safety Other	1	400	400.00
Consumables	0	0	0.00
General Repairs	75	29,388	391.84
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	77	198,322	2575.61
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	1	30	30.00
Total Reported Materials, Labor, and Support Costs:		**822,899**	**9,681.16**
Grand Total of Expenditures:		**822,899**	

North Iowa Community Action Organization
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**198**	**198**	**182**	**11**	**1**	**0**	**198**	**195**	**1,189,805**	**38.9**		**23.5**		**144,679**	**448**	**45,542**	**3,239**	**252**	**0**	**6009.12**	**0.196**		**0.120**		**731**	**2.459**	**250**	**294**	**252**	**-**
Shell & Htg. Sys.	198	161	182	11	1	0	161	4	979,070	28.9	34,847	9.0	14,865	49,711	433	42,703	2,887	252	0	4944.80	0.179	216	2.249	3,716	309	2.379	235	262	252	-
Wall Insul.	173	141	161	7	1	0	141	4	330,805	12.82	15,463	3.70	6,112	21,575	132	12,980	649	73	0	1912.17	0.091	110	0.925	1,528	153	0.818	81	93	73	-
Open Blown Ceiling Insul.	188	153	172	11	1	0	153	4	95,558	9.42	11,366	2.46	4,064	15,430	106	10,439	656	46	0	508.29	0.062	74	0.615	1,016	101	0.615	61	60	46	-
Cavity Fil Insul.	69	55	63	3	1	0	55	2	38,044	1.47	1,771	0.88	1,450	3,222	24	2,405	120	19	0	551.36	0.027	32	0.439	725	59	0.387	38	40	19	-
Sloped Attic Insul.	88	66	80	5	1	0	66	2	34,429	2.02	2,431	0.77	1,267	3,698	26	2,555	262	8	0	391.24	0.031	37	0.383	633	56	0.324	32	52	8	-
Kneewall Insul.	59	47	54	3	0	0	47	2	33,028	0.83	1,003	0.38	621	1,624	12	1,171	86	0	0	559.79	0.018	21	0.188	310	35	0.220	22	29	-	-
Infil. Reduction	197	161	181	11	1	0	161	4	65,803	1.67	2,018	0.49	817	2,835	17	1,689	192	8	0	334.03	0.010	13	0.124	204	18	0.095	9	17	8	-
Found./Crawl. Insul.	62	18	54	5	1	0	17	2	34,296	0.66	795	0.21	348	1,143	7	730	57	3	0	553.16	0.039	47	0.105	174	63	0.137	14	11	3	-
Bandjoist Insul.	65	1	58	6	0	0	-	1	9,053	0.00	0	0.06	106	106	4	379	46	0	0	139.28	-	-	0.064	106	106	0.066	7	8	-	-
Exhaust Ventilation	13	0	13	0	0	0	-	0	4,290	0.00	0	0.00	0	0	(1)	(60)	0	0	0	330.00	-	-	-	-	-	-0.047	-5	-	-	-
Condensing Htg Sys Repl	117	0	109	7	1	0	-	-	331,430	0.00	0	0.00	0	0	106	10,416	818	97	0	2832.74	-	-	-	-	-	0.969	96	117	97	-
Non-Cond Htg Sys Repl	0	0	0	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Electric Htg Sys Repl	1	1	0	0	0	0	-	1	2,335	0.00	0	0.05	80	80	0	0	0	0	0	2335.00	-	-	0.048	80	80	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	176	31	135	10	0	0	580	102	442	36	0	0	122,765	0.0	0.1	6,242	14.5	2,840	352	0	0	697.53	0.000	0.004	201	0.108	21	35	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	169	31	128	10	0	0	169	31	128	10	0	0	124	0.00	0.00	1,182	1.0	335	29	0	0	0.73	0.000	0.000	38	0.008	3	3	-	-
LF Showerhead	85	21	62	2	0	0	85	21	62	2	0	0	364	0.00	0.07	3,269	1.3	393	14	0	0	4.28	0.000	0.004	156	0.021	6	7	-	-
Faucet Aerator	147	27	110	10	0	0	244	43	185	16	0	0	144	0.00	0.03	1,259	0.7	230	22	0	0	0.98	0.000	0.001	47	0.007	2	2	-	-
Std-Eff Wtr Htr Repl.	11	3	7	1	0	0	11	3	7	1	0	0	15,440	0.00	0.00	79	0.7	109	25	0	0	1403.62	0.000	0.001	26	0.096	16	25	-	-
Hi-Eff Wtr Htr Repl.	71	4	60	7	0	0	71	4	60	7	0	0	106,694	0.00	0.01	453	10.9	1,773	262	0	0	1502.73	0.000	0.003	113	0.181	30	37	-	-
Lighting	193	193					2,330	2,330					14,924	5.5	10.2	52,584	-	-	-	-	-	77.33	0.029	0.053	272	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	32	32					46	46					658	0.07	0.13	674	-	-	-	-	-	20.57	0.002	0.004	21	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	193	193					2,284	2,284					14,266	5.45	10.07	51,910	-	-	-	-	-	73.91	0.028	0.052	269	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (23W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	65	65					78	78					73,045	4.45	4.16	36,142	-	-	-	-	-	1123.77	0.068	0.064	556					
Refrigerator Removal	2	2					2	2					50	0.11	0.11	914	-	-	-	-	-	25.00	0.056	0.053	457	-	-	-	-	-
Refrigerator Exchange	58	58					59	59					64,414	3.32	3.10	26,956	-	-	-	-	-	1110.58	0.057	0.053	465	-	-	-	-	-
Freezer Removal	2	2					2	2					60	0.12	0.11	973	-	-	-	-	-	30.00	0.060	0.056	487	-	-	-	-	-
Freezer Exchange	15	15					15	15					8,522	0.90	0.84	7,298	-	-	-	-	-	568.12	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 199 Total Households with Spending and/or Energy Impacts:

Total		**633,125**	**3181.53**
Unspecified Insul.	153	32,944	215.32
Duct Sealing	12	697	58.10
Duct Insulation	0	0	0.00
Damming Material	34	1,945	57.19
Htg. Sys. Tune & Clean	93	11,092	119.27
Htg. Sys./WH Other	43	14,806	344.32
Air Conditioning Work	0	0	0.00
Water Heater Repair	34	2,664	78.34
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	191	11,071	57.97
Smoke Detector	84	4,092	48.71
Fuses	0	0	0.00
Htg Sys Safety Check	198	9,865	49.82
Htg Sys Ventilation	5	750	150.00
Water Heater Ventilation	10	2,985	298.50
Bathroom Ventilation	139	37,081	266.77
Other Exhaust Ventilation	92	14,041	152.62
Health/Safety Repairs	0	0	0.00
Health/Safety Other	20	2,155	107.77
Consumables	198	9,227	46.60
General Repairs	194	115,351	594.59
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	139	362,359	2606.90
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**1,822,930**	**9,160.45**
Grand Total of Expenditures:		**1,822,930**	

Northeast Iowa Community Action Corporation
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**157**	**147**	**82**	**70**	**3**	**0**	**147**	**130**	**688,790**	**15.5**		**6.6**		**56,275**	**179**	**17,539**	**18,223**	**350**	**0**	**4387.20**	**0.106**		**0.051**		**383**	**2.181**	**214**	**260**	**117**	**-**
Shell & Htg. Sys.	157	96	81	70	3	0	96	3	558,132	11.3	13,633	1.1	1,731	15,364	168	15,605	17,292	350	0	3554.98	0.118	142	0.370	577	160	2.068	193	247	117	-
Wall Insul.	65	34	34	28	2	0	34	1	79,984	3.60	4,347	0.32	505	4,851	39	3,609	3,380	83	0	1230.52	0.106	128	0.323	505	143	1.139	106	121	41	-
Open Blown Ceiling Insul.	104	60	49	50	3	0	60	2	87,960	5.74	6,921	0.55	863	7,784	16	1,464	2,377	145	0	845.77	0.096	115	0.276	431	130	0.321	30	48	48	-
Cavity Fil Insul.	2	1	2	0	0	0	1	0	1,458	0.05	56	0.00	0	56	1	85	0	0	0	729.00	0.046	56	-	-	56	0.457	43	-	-	-
Sloped Attic Insul.	5	3	3	2	0	0	3	0	2,071	0.19	225	0.00	0	225	1	126	105	0	0	414.20	0.062	75	-	-	75	0.452	42	52	-	-
Kneewall Insul.	19	8	12	7	0	0	8	0	11,408	0.35	419	0.00	0	419	3	274	157	0	0	600.41	0.043	52	-	-	52	0.245	23	22	-	-
Infil. Reduction	145	91	76	63	3	0	91	3	94,020	1.06	1,283	0.13	198	1,481	15	1,405	1,342	25	0	648.41	0.012	14	0.042	66	16	0.199	18	21	8	-
Found./Crawl. Insul.	29	7	12	17	0	0	7	0	30,667	0.32	383	0.00	0	383	2	229	400	0	0	1057.48	0.045	55	-	-	55	0.205	19	24	-	-
Bandjoist Insul.	90	3	42	42	3	0	-	3	29,326	0.00	0	0.11	165	165	3	288	243	21	0	325.85	-	-	0.035	55	55	0.074	7	6	7	-
Exhaust Ventilation	47	0	24	23	0	0	-	0	32,261	0.00	0	0.00	0	0	(2)	(141)	(148)	0	0	686.40	-	-	-	-	-	-0.063	-6	-6	-	-
Condensing Htg Sys Repl	101	0	56	44	1	0	-	-	178,094	0.00	0	0.00	0	0	88	8,170	9,053	75	0	1763.30	-	-	-	-	-	1.566	146	206	75	-
Non-Cond Htg Sys Repl	7	0	1	6	0	0	-	-	10,885	0.00	0	0.00	0	0	1	96	383	0	0	1554.93	-	-	-	-	-	1.034	96	64	-	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	138	57	54	27	0	0	250	94	100	56	0	0	95,910	0.0	0.1	4,406	11.3	1,934	932	0	0	695.00	0.000	0.001	77	0.210	36	35	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	117	55	37	25	0	0	117	55	37	25	0	0	228	0.00	0.00	2,100	0.4	123	91	0	0	1.95	0.000	0.000	38	0.010	3	4	-	-
LF Showerhead	11	7	3	1	0	0	12	8	3	1	0	0	86	0.00	0.02	1,094	0.1	24	9	0	0	7.86	0.000	0.004	156	0.026	8	9	-	-
Faucet Aerator	21	8	9	4	0	0	34	14	13	7	0	0	23	0.00	0.01	411	0.1	20	12	0	0	1.10	0.000	0.001	51	0.007	2	3	-	-
Std-Eff Wtr Htr Repl.	23	13	5	5	0	0	23	13	5	5	0	0	21,581	0.00	0.01	343	0.8	124	102	0	0	938.29	0.000	0.001	26	0.152	25	20	-	-
Hi-Eff Wtr Htr Repl.	64	4	42	18	0	0	64	4	42	18	0	0	73,991	0.00	0.01	459	10.1	1,642	719	0	0	1156.11	0.000	0.003	115	0.240	39	40	-	-
Lighting	111	111					766	766					1,508	1.6	3.0	15,678	-	-	-	-	-	13.59	0.015	0.027	141	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	6	6					39	39					78	0.06	0.11	572	-	-	-	-	-	13.00	0.010	0.018	95	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	52	52					226	226					466	0.54	1.00	5,139	-	-	-	-	-	8.96	0.010	0.019	99	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	52	52					282	282					518	0.82	1.52	7,838	-	-	-	-	-	9.96	0.016	0.029	151	-	-	-	-	-
CFL (23W)	53	53					211	211					426	0.22	0.40	2,051	-	-	-	-	-	8.04	0.004	0.008	39	-	-	-	-	-
CFL (25W)	3	3					8	8					20	0.01	0.02	78	-	-	-	-	-	6.67	0.003	0.005	26	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	43	43					45	45					33,240	2.56	2.40	20,827	-	-	-	-	-	773.02	0.060	0.056	484					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	35	35					36	36					28,338	2.02	1.89	16,448	-	-	-	-	-	809.66	0.058	0.054	470	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	8	8					9	9					4,902	0.54	0.50	4,379	-	-	-	-	-	612.75	0.067	0.063	547	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 157 Total Households with Spending and/or Energy Impacts:

Total		**474,196**	**3020.35**
Unspecified Insul.	103	20,165	195.78
Duct Sealing	4	1,252	313.03
Duct Insulation	5	463	92.56
Damming Material	2	195	97.58
Htg. Sys. Tune & Clean	3	620	206.59
Htg. Sys./WH Other	23	10,524	457.59
Air Conditioning Work	0	0	0.00
Water Heater Repair	3	654	218.05
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	147	6,728	45.77
Smoke Detector	113	1,384	12.25
Fuses	1	4	3.99
Htg Sys Safety Check	1	20	20.42
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	0	0	0.00
Bathroom Ventilation	47	9,924	211.14
Other Exhaust Ventilation	112	21,894	195.48
Health/Safety Repairs	0	0	0.00
Health/Safety Other	5	2,711	542.13
Consumables	97	3,061	31.56
General Repairs	116	46,262	398.81
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	154	307,524	1996.91
Transportation Allowance	117	23,886	204.15
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	139	14,539	104.60
Unspecifed	1	2,385	2385.00
Total Reported Materials, Labor, and Support Costs:		**1,162,986**	**7,407.55**
Grand Total of Expenditures:		**1,162,986**	

Operation: New View Community Action Agency
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**105**	**105**	**78**	**20**	**6**	**0**	**105**	**105**	**386,061**	**15.2**		**6.1**		**50,526**	**124**	**11,764**	**4,185**	**474**	**0**	**3676.77**	**0.144**		**0.058**		**481**	**1.584**	**151**	**209**	**79**	**-**
Shell & Htg. Sys.	105	90	78	20	6	0	90	1	297,474	11.3	13,594	1.1	1,656	15,250	119	10,913	4,185	474	0	2833.09	0.125	151	1.075	1,656	169	1.522	140	209	79	-
Wall Insul.	37	34	31	4	2	0	34	0	45,305	3.56	4,295	0.00	0	4,295	21	1,897	441	70	0	1224.45	0.105	126	-	-	126	0.666	61	110	35	-
Open Blown Ceiling Insul.	67	59	48	14	4	0	59	1	27,083	3.86	4,654	0.04	63	4,717	6	597	283	59	0	404.23	0.065	79	0.041	63	80	0.135	12	20	15	-
Cavity Fil Insul.	25	14	20	2	3	0	14	0	20,865	0.78	940	0.00	0	940	9	833	167	123	0	834.62	0.056	67	-	-	67	0.453	42	83	41	-
Sloped Attic Insul.	24	21	18	2	3	0	21	1	7,719	1.40	1,693	0.67	1,028	2,722	8	691	75	82	0	321.64	0.067	81	0.668	1,028	130	0.418	38	38	27	-
Kneewall Insul.	9	7	8	0	1	0	7	0	1,265	0.08	96	0.00	0	96	1	61	0	1	0	140.53	0.011	14	-	-	14	0.083	8	-	1	-
Infil. Reduction	94	86	69	18	6	0	86	1	14,101	1.00	1,205	0.04	69	1,274	9	849	464	59	0	150.01	0.012	14	0.045	69	15	0.134	12	26	10	-
Found./Crawl. Insul.	45	14	34	10	0	0	13	1	32,735	0.59	711	0.26	400	1,111	10	910	270	0	0	727.44	0.045	55	0.260	400	79	0.291	27	27	-	-
Bandjoist Insul.	43	1	32	7	3	0	-	1	3,039	0.00	0	0.06	95	95	1	117	14	10	0	70.67	-	-	0.062	95	95	0.040	4	2	3	-
Exhaust Ventilation	12	0	9	2	1	0	-	0	5,183	0.00	0	0.00	0	0	(0)	(45)	(11)	(4)	0	431.94	-	-	-	-	-	-0.054	-5	-5	-4	-
Condensing Htg Sys Repl	47	0	33	13	1	0	-	-	104,839	0.00	0	0.00	0	0	46	4,202	2,130	74	0	2230.61	-	-	-	-	-	1.385	127	164	74	-
Non-Cond Htg Sys Repl	19	0	14	5	0	0	-	-	35,340	0.00	0	0.00	0	0	9	801	352	0	0	1860.00	-	-	-	-	-	0.622	57	70	-	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	65	22	43	0	0	0	97	31	66	0	0	0	47,259	0.0	0.0	1,561	4.8	851	0	0	0	727.06	0.000	0.001	71	0.112	20	-	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	64	22	42	0	0	0	64	22	42	0	0	0	582	0.00	0.00	840	0.3	119	0	0	0	9.09	0.000	0.000	38	0.008	3	-	-	-
LF Showerhead	1	1	0	0	0	0	1	1	0	0	0	0	10	0.00	0.00	156	0.0	0	0	0	0	10.00	0.000	0.004	156	-	-	-	-	-
Faucet Aerator	1	1	0	0	0	0	1	1	0	0	0	0	3	0.00	0.00	29	0.0	0	0	0	0	3.00	0.000	0.001	29	-	-	-	-	-
Std-Eff Wtr Htr Repl.	6	3	3	0	0	0	6	3	3	0	0	0	15,386	0.00	0.00	79	0.3	55	0	0	0	2564.29	0.000	0.001	26	0.113	18	-	-	-
Hi-Eff Wtr Htr Repl.	25	4	21	0	0	0	25	4	21	0	0	0	31,278	0.00	0.01	456	4.2	677	0	0	0	1251.12	0.000	0.003	114	0.198	32	-	-	-
Lighting	104	104					1,152	1,152					8,064	1.6	2.9	14,818	-	-	-	-	-	77.54	0.015	0.028	142	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	17	17					175	175					1,225	0.42	0.77	3,980	-	-	-	-	-	72.06	0.025	0.045	234	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	6	6					74	74					518	0.22	0.40	2,057	-	-	-	-	-	86.33	0.036	0.067	343	-	-	-	-	-
CFL (23W)	45	45					452	452					3,164	0.46	0.85	4,394	-	-	-	-	-	70.31	0.010	0.019	98	-	-	-	-	-
CFL (25W)	39	39					451	451					3,157	0.46	0.85	4,387	-	-	-	-	-	80.95	0.012	0.022	112	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	31	31					41	41					33,264	2.32	2.17	18,897	-	-	-	-	-	1073.03	0.075	0.070	610					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	30	30					35	35					29,310	1.97	1.84	15,991	-	-	-	-	-	977.00	0.066	0.061	533	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	6	6					6	6					3,954	0.36	0.33	2,906	-	-	-	-	-	659.00	0.060	0.056	484	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 106 Total Households with Spending and/or Energy Impacts:

Total		**311,844**	**2941.92**
Unspecified Insul.	98	15,985	163.11
Duct Sealing	58	2,201	37.94
Duct Insulation	23	1,188	51.66
Damming Material	39	1,007	25.83
Htg. Sys. Tune & Clean	44	6,170	140.22
Htg. Sys./WH Other	90	40,202	446.69
Air Conditioning Work	0	0	0.00
Water Heater Repair	17	869	51.12
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	77	6,162	80.02
Smoke Detector	27	2,167	80.26
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	2	300	150.00
Water Heater Ventilation	30	7,555	251.82
Bathroom Ventilation	37	2,326	62.86
Other Exhaust Ventilation	93	7,080	76.13
Health/Safety Repairs	0	0	0.00
Health/Safety Other	15	2,542	169.49
Consumables	0	0	0.00
General Repairs	79	25,436	321.97
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	104	189,577	1822.85
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	11	1,079	98.05
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**697,905**	**6,584.01**
Grand Total of Expenditures:		**697,905**	

Operation Threshold
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**208**	**207**	**197**	**7**	**0**	**0**	**207**	**201**	**1,001,962**	**38.9**		**16.7**		**113,916**	**470**	**46,499**	**2,361**	**0**	**0**	**4817.13**	**0.188**		**0.083**		**550**	**2.384**	**236**	**337**	**-**	**-**
Shell & Htg. Sys.	208	181	196	7	0	0	180	5	851,062	32.2	38,832	7.8	12,175	51,007	443	41,223	2,242	0	0	4091.64	0.179	216	1.560	2,435	282	2.258	210	320	-	-
Wall Insul.	148	128	138	5	0	0	127	5	240,814	13.60	16,407	3.92	6,112	22,519	137	12,768	446	0	0	1627.12	0.107	129	0.783	1,222	176	0.993	93	89	-	-
Open Blown Ceiling Insul.	171	149	162	5	0	0	148	4	98,761	10.39	12,527	2.77	4,324	16,852	65	6,095	335	0	0	577.55	0.070	85	0.693	1,081	113	0.404	38	67	-	-
Cavity Fil Insul.	60	46	56	3	0	0	46	1	55,580	2.56	3,085	0.14	218	3,303	38	3,547	274	0	0	926.33	0.056	67	0.140	218	72	0.680	63	91	-	-
Sloped Attic Insul.	59	43	54	3	0	0	43	2	28,218	2.04	2,458	0.40	617	3,075	25	2,313	176	0	0	478.28	0.047	57	0.198	309	72	0.460	43	59	-	-
Kneewall Insul.	45	38	41	3	0	0	38	1	13,640	0.76	912	0.13	197	1,109	8	758	64	0	0	303.10	0.020	24	0.126	197	29	0.199	18	21	-	-
Infil. Reduction	204	180	192	7	0	0	179	5	87,673	2.17	2,621	0.36	561	3,182	26	2,408	77	0	0	429.77	0.012	15	0.072	112	18	0.135	13	11	-	-
Found./Crawl. Insul.	58	16	53	4	0	0	15	1	69,074	0.68	821	0.09	134	955	16	1,519	156	0	0	1190.93	0.045	55	0.086	134	60	0.308	29	39	-	-
Bandjoist Insul.	100	2	94	4	0	0	-	2	9,084	0.00	0	0.10	156	156	6	536	25	0	0	90.84	-	-	0.050	78	78	0.061	6	6	-	-
Exhaust Ventilation	80	2	73	5	0	0	-	2	79,209	0.00	0	-0.17	(267)	(267)	(5)	(489)	(35)	0	0	990.12	-	-	-0.086	(133)	(133)	-0.072	-7	-7	-	-
Condensing Htg Sys Repl	82	0	79	3	0	0	-	-	143,100	0.00	0	0.00	0	0	118	11,037	607	0	0	1745.12	-	-	-	-	-	1.500	140	202	-	-
Non-Cond Htg Sys Repl	13	0	11	2	0	0	-	-	24,285	0.00	0	0.00	0	0	8	729	115	0	0	1868.08	-	-	-	-	-	0.712	66	58	-	-
Electric Htg Sys Repl	1	1	0	0	0	0	-	1	1,624	0.00	0	0.08	123	123	0	0	0	0	0	1624.00	-	-	0.079	123	123	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	206	32	171	3	0	0	653	0.0	0.1	4,676	27.1	5,277	119	0	0	502.22	0.000	0.003	146	0.158	31	40	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	199	32	164	3	0	0	1,083	0.00	0.00	1,221	1.8	617	12	0	0	5.44	0.000	0.000	38	0.011	4	4	-	-
LF Showerhead	101	14	84	3	0	0	1,020	0.00	0.05	2,183	2.5	759	30	0	0	10.10	0.000	0.004	156	0.029	9	10	-	-
Faucet Aerator	151	23	125	3	0	0	256	0.00	0.03	1,114	1.2	381	10	0	0	5.13	0.000	0.001	48	0.010	3	3	-	-
Std-Eff Wtr Htr Repl.	40	6	34	0	0	0	40	0.00	0.00	158	5.7	937	0	0	0	785.50	0.000	0.001	26	0.169	28	-	-	-
Hi-Eff Wtr Htr Repl.	57	0	56	1	0	0	57	0.00	0.00	0	15.8	2,583	67	0	0	1213.35	-	-	-	0.283	46	67	-	-
Lighting	200	200					1,543	2.8	5.2	26,579	-	-	-	-	-	53.97	0.014	0.026	133	-	-	-	-	-
CFL (5W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	117	117					668	1.03	1.90	9,783	-	-	-	-	-	39.97	0.009	0.016	84	-	-	-	-	-
CFL (14W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	137	137					637	1.52	2.81	14,481	-	-	-	-	-	32.55	0.011	0.021	106	-	-	-	-	-
CFL (18W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (23W)	90	90					238	0.24	0.45	2,315	-	-	-	-	-	18.43	0.003	0.005	26	-	-	-	-	-
CFL (25W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	58	58					68	3.89	3.64	31,655	-	-	-	-	-	631.88	0.067	0.063	546					
Refrigerator Removal	1	1					1	0.06	0.05	457	-	-	-	-	-	25.00	0.056	0.053	457	-	-	-	-	-
Refrigerator Exchange	46	46					46	2.58	2.41	20,980	-	-	-	-	-	631.41	0.056	0.052	456	-	-	-	-	-
Freezer Removal	1	1					1	0.06	0.06	487	-	-	-	-	-	31.00	0.060	0.056	487	-	-	-	-	-
Freezer Exchange	20	20					20	1.20	1.12	9,731	-	-	-	-	-	377.40	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 208 Total Households with Spending and/or Energy Impacts:

Total		**791,158**	**3803.64**
Unspecified Insul.	195	46,041	236.11
Duct Sealing	185	20,515	110.89
Duct Insulation	31	1,176	37.95
Damming Material	98	3,825	39.03
Htg. Sys. Tune & Clean	117	9,659	82.55
Htg. Sys./WH Other	84	20,138	239.73
Air Conditioning Work	68	2,130	31.33
Water Heater Repair	23	1,074	46.69
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	199	8,702	43.73
Smoke Detector	35	1,242	35.49
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	1	118	117.80
Water Heater Ventilation	26	7,592	292.00
Bathroom Ventilation	46	6,307	137.11
Other Exhaust Ventilation	146	12,524	85.78
Health/Safety Repairs	0	0	0.00
Health/Safety Other	90	8,470	94.11
Consumables	96	3,958	41.23
General Repairs	196	107,229	547.09
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	208	471,859	2268.55
Transportation Allowance	96	8,929	93.01
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	174	47,194	271.23
Unspecifed	45	2,476	55.02
Total Reported Materials, Labor, and Support Costs:		**1,793,120**	**8,620.77**
Grand Total of Expenditures:		**1,793,120**	

Red Rock Area Community Action
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**54**	**51**	**49**	**2**	**0**	**0**	**50**	**40**	**245,348**	**7.4**		**2.9**		**19,066**	**134**	**12,840**	**1,060**	**0**	**0**	**4543.47**	**0.149**		**0.072**		**374**	**2.727**	**262**	**530**	**-**	**-**
Shell & Htg. Sys.	54	45	49	2	0	0	44	3	213,199	6.4	7,755	1.5	2,356	10,111	129	11,981	1,060	0	0	3948.12	0.146	176	0.503	785	225	2.624	245	530	-	-
Wall Insul.	28	23	25	1	0	0	22	2	38,851	2.39	2,880	0.99	1,549	4,430	25	2,350	148	0	0	1387.53	0.109	131	0.496	775	193	1.009	94	148	-	-
Open Blown Ceiling Insul.	40	32	35	2	0	0	31	3	33,537	2.45	2,951	0.49	757	3,709	18	1,682	114	0	0	838.44	0.079	95	0.162	252	116	0.516	48	57	-	-
Cavity Fil Insul.	4	1	4	0	0	0	1	0	2,862	0.11	131	0.00	0	131	10	960	0	0	0	715.50	0.108	131	-	-	131	2.575	240	-	-	-
Sloped Attic Insul.	11	9	9	2	0	0	9	0	4,366	0.57	691	0.00	0	691	6	535	252	0	0	396.90	0.064	77	-	-	77	0.638	59	126	-	-
Kneewall Insul.	13	9	12	1	0	0	9	0	2,764	0.20	245	0.00	0	245	4	350	2	0	0	212.62	0.023	27	-	-	27	0.313	29	2	-	-
Infil. Reduction	54	45	49	2	0	0	44	3	20,334	0.57	688	0.20	317	1,005	15	1,357	55	0	0	376.56	0.013	16	0.068	106	22	0.297	28	28	-	-
Found./Crawl. Insul.	21	3	21	0	0	0	3	0	15,786	0.14	168	0.00	0	168	5	500	0	0	0	751.71	0.046	56	-	-	56	0.256	24	-	-	-
Bandjoist Insul.	21	0	20	1	0	0	-	0	1,663	0.00	0	0.00	0	0	1	105	2	0	0	79.17	-	-	-	-	-	0.056	5	2	-	-
Exhaust Ventilation	24	2	22	0	0	0	-	2	16,628	0.00	0	-0.17	(267)	(267)	(2)	(153)	0	0	0	692.83	-	-	-0.085	(133)	(133)	-0.075	-7	-	-	-
Condensing Htg Sys Repl	29	0	27	2	0	0	-	-	64,735	0.00	0	0.00	0	0	43	3,999	487	0	0	2232.24	-	-	-	-	-	1.589	148	243	-	-
Non-Cond Htg Sys Repl	5	0	5	0	0	0	-	-	11,673	0.00	0	0.00	0	0	3	296	0	0	0	2334.60	-	-	-	-	-	0.636	59	-	-	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	24	2	22	0	0	0	32	2	30	0	0	0	24,913	0.0	0.0	64	5.1	859	0	0	0	1038.04	0.000	0.000	32	0.231	39	-	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	4	1	3	0	0	0	4	1	3	0	0	0	15	0.00	0.00	37	0.0	12	0	0	0	3.75	0.000	0.000	37	0.011	4	-	-	-
LF Showerhead	4	0	4	0	0	0	4	0	4	0	0	0	50	0.00	0.00	0	0.1	38	0	0	0	12.50	-	-	-	0.031	10	-	-	-
Faucet Aerator	4	0	4	0	0	0	5	0	5	0	0	0	18	0.00	0.00	0	0.0	9	0	0	0	4.50	-	-	-	0.008	2	-	-	-
Std-Eff Wtr Htr Repl.	4	1	3	0	0	0	4	1	3	0	0	0	5,822	0.00	0.00	26	0.5	87	0	0	0	1455.50	0.000	0.001	26	0.177	29	-	-	-
Hi-Eff Wtr Htr Repl.	15	0	15	0	0	0	15	0	15	0	0	0	19,008	0.00	0.00	0	4.4	713	0	0	0	1267.20	-	-	-	0.292	48	-	-	-
Lighting	36	36					175	175					1,276	0.4	0.8	4,203	-	-	-	-	-	35.44	0.012	0.023	117	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	2	2					2	2					30	0.00	0.01	29	-	-	-	-	-	15.00	0.002	0.003	15	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	31	31					125	125					910	0.30	0.55	2,841	-	-	-	-	-	29.35	0.010	0.018	92	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	23	23					48	48					336	0.14	0.26	1,333	-	-	-	-	-	14.61	0.006	0.011	58	-	-	-	-	-
CFL (23W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	10	10					10	10					5,960	0.58	0.54	4,688	-	-	-	-	-	595.99	0.058	0.054	469					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	6	6					6	6					3,946	0.34	0.32	2,741	-	-	-	-	-	657.66	0.056	0.053	457	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	4	4					4	4					2,014	0.24	0.22	1,946	-	-	-	-	-	503.49	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 54 Total Households with Spending and/or Energy Impacts:

Total		**188,801**	**3496.31**
Unspecified Insul.	51	16,469	322.93
Duct Sealing	9	948	105.33
Duct Insulation	29	1,394	48.07
Damming Material	19	920	48.42
Htg. Sys. Tune & Clean	15	3,426	228.40
Htg. Sys./WH Other	12	8,360	696.67
Air Conditioning Work	0	0	0.00
Water Heater Repair	7	2,013	287.57
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	1	150	150.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	46	794	17.25
Smoke Detector	42	1,100	26.19
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	1	150	150.00
Water Heater Ventilation	5	841	168.10
Bathroom Ventilation	30	3,568	118.93
Other Exhaust Ventilation	33	2,234	67.70
Health/Safety Repairs	0	0	0.00
Health/Safety Other	15	3,296	219.72
Consumables	0	0	0.00
General Repairs	49	28,311	577.77
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	52	114,828	2208.23
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**434,148**	**8,039.78**
Grand Total of Expenditures:		**434,148**	

South Central Iowa Community Action Program
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**84**	**84**	**41**	**28**	**0**	**0**	**84**	**81**	**360,033**	**20.3**		**21.4**		**81,762**	**149**	**13,324**	**8,964**	**0**	**0**	**4286.10**	**0.242**		**0.264**		**973**	**3.628**	**325**	**320**	**-**	**-**
Shell & Htg. Sys.	83	73	41	27	0	0	72	15	318,683	16.4	19,730	15.2	22,426	42,156	147	12,915	8,660	0	0	3839.55	0.227	274	1.014	1,495	577	3.579	315	321	-	-
Wall Insul.	56	47	31	18	0	0	46	7	53,240	6.22	7,496	4.07	5,995	13,490	38	3,360	1,117	0	0	950.71	0.135	163	0.581	856	287	1.232	108	62	-	-
Open Blown Ceiling Insul.	71	63	35	22	0	0	62	14	51,433	6.16	7,433	4.12	6,070	13,503	15	1,357	912	0	0	724.41	0.099	120	0.294	434	214	0.441	39	41	-	-
Cavity Fil Insul.	25	15	14	9	0	0	15	2	12,045	0.98	1,184	0.63	923	2,108	10	904	692	0	0	481.82	0.065	79	0.313	462	141	0.734	65	77	-	-
Sloped Attic Insul.	20	16	11	5	0	0	16	4	9,017	1.03	1,237	2.78	4,096	5,333	7	659	319	0	0	450.87	0.064	77	0.694	1,024	333	0.681	60	64	-	-
Kneewall Insul.	23	19	11	8	0	0	18	4	2,122	0.18	216	0.16	230	446	1	111	44	0	0	92.25	0.010	12	0.039	57	23	0.114	10	6	-	-
Infil. Reduction	80	71	41	24	0	0	70	15	37,540	1.03	1,247	1.00	1,480	2,727	11	977	476	0	0	469.25	0.015	18	0.067	99	38	0.271	24	20	-	-
Found./Crawl. Insul.	41	14	18	17	0	0	13	6	23,555	0.76	916	2.14	3,156	4,072	4	380	536	0	0	574.50	0.058	70	0.357	526	291	0.240	21	32	-	-
Bandjoist Insul.	51	6	29	16	0	0	-	6	4,417	0.00	0	0.24	354	354	2	163	101	0	0	86.60	-	-	0.040	59	59	0.064	6	6	-	-
Exhaust Ventilation	5	3	2	0	0	0	-	3	3,278	0.00	0	-0.27	(400)	(400)	(0)	(16)	0	0	0	655.60	-	-	-0.091	(133)	(133)	-0.089	-8	-	-	-
Condensing Htg Sys Repl	48	0	30	18	0	0	-	-	104,358	0.00	0	0.00	0	0	57	5,020	4,343	0	0	2174.13	-	-	-	-	-	1.901	167	241	-	-
Non-Cond Htg Sys Repl	1	0	0	1	0	0	-	-	3,000	0.00	0	0.00	0	0	0	0	120	0	0	3000.00	-	-	-	-	-	-	-	120	-	-
Electric Htg Sys Repl	6	6	0	0	0	0	-	6	14,678	0.00	0	0.35	523	523	0	0	0	0	0	2446.29	-	-	0.059	87	87	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	53	23	18	12	0	0	164	66	53	45	0	0	21,668	0.0	0.1	3,846	2.0	409	304	0	0	408.83	0.000	0.003	167	0.111	23	25	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	29	11	11	7	0	0	29	11	11	7	0	0	152	0.00	0.00	417	0.1	49	32	0	0	5.26	0.000	0.000	38	0.013	4	5	-	-
LF Showerhead	23	10	5	8	0	0	25	11	5	9	0	0	390	0.00	0.04	1,554	0.2	54	89	0	0	16.96	0.000	0.004	155	0.035	11	11	-	-
Faucet Aerator	49	20	17	12	0	0	92	36	31	25	0	0	267	0.00	0.02	1,049	0.2	65	56	0	0	5.44	0.000	0.001	52	0.012	4	5	-	-
Std-Eff Wtr Htr Repl.	7	1	2	4	0	0	7	1	2	4	0	0	9,443	0.00	0.00	26	0.4	63	127	0	0	1349.00	0.000	0.001	26	0.194	32	32	-	-
Hi-Eff Wtr Htr Repl.	11	7	4	0	0	0	11	7	4	0	0	0	11,416	0.00	0.02	800	1.1	178	0	0	0	1037.82	0.000	0.003	114	0.273	44	-	-	-
Lighting	78	78					1,129	1,129					2,202	2.7	5.0	25,572	-	-	-	-	-	28.23	0.034	0.064	328	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	6	6					11	11					115	0.02	0.03	160	-	-	-	-	-	19.15	0.003	0.005	27	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	77	77					1,104	1,104					2,052	2.63	4.85	25,023	-	-	-	-	-	26.65	0.034	0.063	325	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	2	2					14	14					35	0.04	0.08	389	-	-	-	-	-	17.50	0.020	0.038	195	-	-	-	-	-
CFL (23W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	20	20					22	22					17,480	1.25	1.17	10,188	-	-	-	-	-	874.00	0.063	0.059	509					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	17	17					17	17					14,017	0.95	0.89	7,755	-	-	-	-	-	824.52	0.056	0.052	456	-	-	-	-	-
Freezer Removal	1	1					1	1					65	0.06	0.06	487	-	-	-	-	-	65.00	0.060	0.056	487	-	-	-	-	-
Freezer Exchange	4	4					4	4					3,398	0.24	0.22	1,946	-	-	-	-	-	849.50	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 84 Total Households with Spending and/or Energy Impacts:

Total		**219,463**	**2612.65**
Unspecified Insul.	80	18,202	227.52
Duct Sealing	4	1,063	265.87
Duct Insulation	7	179	25.53
Damming Material	18	590	32.76
Htg. Sys. Tune & Clean	29	2,300	79.31
Htg. Sys./WH Other	61	11,308	185.38
Air Conditioning Work	1	68	68.00
Water Heater Repair	14	1,538	109.86
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	60	1,314	21.90
Smoke Detector	47	1,137	24.20
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	16	1,936	121.00
Water Heater Ventilation	4	1,001	250.25
Bathroom Ventilation	21	1,813	86.36
Other Exhaust Ventilation	48	3,044	63.42
Health/Safety Repairs	0	0	0.00
Health/Safety Other	22	2,162	98.29
Consumables	0	0	0.00
General Repairs	80	40,857	510.71
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	49	107,121	2186.15
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	52	22,809	438.64
Unspecifed	16	1,019	63.67
Total Reported Materials, Labor, and Support Costs:		**579,495**	**6,898.75**
Grand Total of Expenditures:		**579,495**	

Community Action of South Eastern Iowa
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**184**	**177**	**177**	**9**	**0**	**0**	**177**	**92**	**1,093,922**	**56.0**		**3.5**		**86,914**	**736**	**64,209**	**2,994**	**0**	**0**	**5945.23**	**0.316**		**0.038**		**491**	**4.159**	**363**	**333**	**-**	**-**
Shell & Htg. Sys.	184	174	175	9	0	0	174	0	988,501	53.5	64,550	0.0	0	64,550	711	59,860	2,990	0	0	5372.29	0.308	371	-	-	371	4.063	342	332	-	-
Wall Insul.	149	141	146	3	0	0	141	0	219,718	22.22	26,803	0.00	0	26,803	239	20,138	543	0	0	1474.62	0.158	190	-	-	190	1.638	138	181	-	-
Open Blown Ceiling Insul.	173	163	166	7	0	0	163	0	192,137	21.22	25,597	0.00	0	25,597	141	11,903	533	0	0	1110.62	0.130	157	-	-	157	0.852	72	76	-	-
Cavity Fil Insul.	1	1	1	0	0	0	1	0	654	0.05	60	0.00	0	60	1	81	0	0	0	653.92	0.050	60	-	-	60	0.962	81	-	-	-
Sloped Attic Insul.	56	56	55	1	0	0	56	0	2,910	3.29	3,968	0.00	0	3,968	29	2,471	84	0	0	51.96	0.059	71	-	-	71	0.534	45	84	-	-
Kneewall Insul.	39	37	36	3	0	0	37	0	1,666	0.98	1,183	0.00	0	1,183	8	675	98	0	0	42.73	0.027	32	-	-	32	0.223	19	33	-	-
Infil. Reduction	184	174	175	9	0	0	174	0	201,164	2.75	3,311	0.00	0	3,311	52	4,371	286	0	0	1093.28	0.016	19	-	-	19	0.297	25	32	-	-
Found./Crawl. Insul.	86	43	80	6	0	0	43	0	56,748	3.01	3,629	0.00	0	3,629	16	1,354	212	0	0	659.86	0.070	84	-	-	84	0.201	17	35	-	-
Bandjoist Insul.	111	0	107	4	0	0	-	0	12,253	0.00	0	0.00	0	0	11	962	33	0	0	110.39	-	-	-	-	-	0.107	9	8	-	-
Exhaust Ventilation	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Condensing Htg Sys Repl	133	0	126	7	0	0	-	-	299,667	0.00	0	0.00	0	0	212	17,860	1,201	0	0	2253.14	-	-	-	-	-	1.684	142	172	-	-
Non-Cond Htg Sys Repl	1	0	1	0	0	0	-	-	1,584	0.00	0	0.00	0	0	1	45	0	0	0	1584.00	-	-	-	-	-	0.540	45	-	-	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	159	8	150	1	0	0	224	8	215	1	0	0	92,793	0.0	0.0	306	25.3	4,349	4	0	0	583.61	0.000	0.000	38	0.168	29	4	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	132	8	123	1	0	0	132	8	123	1	0	0	194	0.00	0.00	306	1.2	434	4	0	0	1.47	0.000	0.000	38	0.010	4	4	-	-
LF Showerhead	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Std-Eff Wtr Htr Repl.	10	0	10	0	0	0	10	0	10	0	0	0	9,499	0.00	0.00	0	2.0	320	0	0	0	949.92	-	-	-	0.196	32	-	-	-
Hi-Eff Wtr Htr Repl.	82	0	82	0	0	0	82	0	82	0	0	0	83,100	0.00	0.00	0	22.0	3,596	0	0	0	1013.41	-	-	-	0.269	44	-	-	-
Lighting	83	83					593	593					736	1.3	2.4	12,315	-	-	-	-	-	8.87	0.016	0.029	148	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	20	20					80	80					223	0.12	0.23	1,172	-	-	-	-	-	11.14	0.006	0.011	59	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	75	75					470	470					445	1.12	2.07	10,688	-	-	-	-	-	5.93	0.015	0.028	143	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	1	1					2	2					4	0.01	0.01	56	-	-	-	-	-	3.82	0.006	0.011	56	-	-	-	-	-
CFL (23W)	17	17					40	40					64	0.04	0.08	389	-	-	-	-	-	3.74	0.002	0.004	23	-	-	-	-	-
CFL (25W)	1	1					1	1					2	0.00	0.00	10	-	-	-	-	-	1.59	0.001	0.002	10	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	21	21					21	21					11,891	1.20	1.12	9,743	-	-	-	-	-	566.23	0.057	0.053	464					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	16	16					16	16					9,859	0.90	0.84	7,310	-	-	-	-	-	616.21	0.056	0.053	457	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	5	5					5	5					2,032	0.30	0.28	2,433	-	-	-	-	-	406.31	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 184 Total Households with Spending and/or Energy Impacts:

Total		**567,997**	**3086.94**
Unspecified Insul.	29	968	33.37
Duct Sealing	19	391	20.56
Duct Insulation	21	811	38.64
Damming Material	66	1,336	20.24
Htg. Sys. Tune & Clean	62	5,455	87.98
Htg. Sys./WH Other	67	30,911	461.36
Air Conditioning Work	0	0	0.00
Water Heater Repair	24	3,350	139.59
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	72	1,515	21.04
Smoke Detector	43	292	6.79
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	3	450	150.00
Water Heater Ventilation	2	94	46.81
Bathroom Ventilation	28	739	26.38
Other Exhaust Ventilation	135	3,319	24.59
Health/Safety Repairs	0	0	0.00
Health/Safety Other	32	4,981	155.64
Consumables	165	3,411	20.67
General Repairs	177	102,492	579.05
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	158	384,174	2431.48
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	111	23,240	209.37
Unspecifed	1	69	68.75
Total Reported Materials, Labor, and Support Costs:		**1,661,919**	**9,032.17**
Grand Total of Expenditures:		**1,661,919**	

Southern Iowa Economic Development Authority
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**149**	**148**	**79**	**43**	**1**	**0**	**147**	**142**	**750,804**	**31.5**		**32.3**		**125,713**	**255**	**23,663**	**9,811**	**205**	**0**	**5038.95**	**0.214**		**0.228**		**849**	**3.232**	**300**	**228**	**205**	**-**
Shell & Htg. Sys.	149	141	74	43	1	0	136	31	616,150	26.3	31,690	24.2	35,642	67,332	244	21,465	8,951	205	0	4135.24	0.193	233	0.780	1,150	478	3.296	290	208	205	-
Wall Insul.	77	73	50	18	1	0	73	8	94,246	9.80	11,815	4.51	6,645	18,459	66	5,826	1,768	65	0	1223.98	0.134	162	0.563	831	253	1.324	117	98	65	-
Open Blown Ceiling Insul.	105	101	50	33	1	0	97	21	70,285	8.74	10,542	5.55	8,191	18,732	17	1,501	1,178	11	0	669.38	0.090	109	0.264	390	185	0.341	30	36	11	-
Cavity Fil Insul.	22	12	15	6	0	0	12	1	12,767	0.82	995	0.30	439	1,434	23	2,019	210	0	0	580.30	0.069	83	0.298	439	119	1.529	135	35	-	-
Sloped Attic Insul.	41	34	23	8	1	0	32	9	15,068	2.34	2,820	5.16	7,617	10,436	19	1,680	434	27	0	367.50	0.073	88	0.574	846	307	0.830	73	54	27	-
Kneewall Insul.	32	26	20	7	0	0	25	5	8,877	0.95	1,152	0.99	1,467	2,618	10	885	152	0	0	277.41	0.038	46	0.199	293	101	0.503	44	22	-	-
Infil. Reduction	149	141	74	43	1	0	136	31	61,605	1.91	2,309	5.29	7,796	10,105	20	1,781	985	14	0	413.46	0.014	17	0.171	251	72	0.274	24	23	14	-
Found./Crawl. Insul.	56	32	30	19	1	0	29	6	23,963	1.71	2,059	1.20	1,769	3,828	7	607	658	15	0	427.91	0.059	71	0.200	295	120	0.230	20	35	15	-
Bandjoist Insul.	78	11	45	21	1	0	-	11	10,802	0.00	0	0.93	1,374	1,374	5	446	230	7	0	138.48	-	-	0.085	125	125	0.113	10	11	7	-
Exhaust Ventilation	54	8	29	17	0	0	-	8	24,210	0.00	0	-0.72	(1,068)	(1,068)	(2)	(196)	(120)	0	0	448.33	-	-	-0.091	(133)	(133)	-0.077	-7	-7	-	-
Condensing Htg Sys Repl	65	0	48	17	0	0	-	-	215,493	0.00	0	0.00	0	0	76	6,656	2,815	0	0	3315.28	-	-	-	-	-	1.576	139	166	-	-
Non-Cond Htg Sys Repl	13	0	3	9	1	0	-	-	32,344	0.00	0	0.00	0	0	3	261	640	66	0	2488.02	-	-	-	-	-	0.990	87	71	66	-
Electric Htg Sys Repl	15	15	0	0	0	0	-	15	40,691	0.00	0	0.89	1,307	1,307	0	0	0	0	0	2712.73	-	-	0.059	87	87	-	-	-	-	-
Heat Pump Repl	1	1	0	0	0	0	-	1	5,800	0.00	0	0.07	107	107	0	0	0	0	0	5800.00	-	-	0.073	107	107	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	142	62	57	23	0	0	491	196	213	82	0	0	95,407	0.0	0.2	11,176	11.4	2,198	860	0	0	671.88	0.000	0.003	180	0.200	39	37	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	126	54	52	20	0	0	126	54	52	20	0	0	652	0.00	0.00	2,049	0.6	202	80	0	0	5.17	0.000	0.000	38	0.011	4	4	-	-
LF Showerhead	88	38	35	15	0	0	90	38	37	15	0	0	839	0.00	0.13	5,892	1.1	330	143	0	0	9.54	0.000	0.004	155	0.031	9	10	-	-
Faucet Aerator	103	44	43	16	0	0	201	85	84	32	0	0	510	0.00	0.06	2,477	0.5	154	61	0	0	4.95	0.000	0.001	56	0.012	4	4	-	-
Std-Eff Wtr Htr Repl.	36	16	15	5	0	0	39	16	18	5	0	0	41,117	0.00	0.01	418	3.0	489	124	0	0	1142.13	0.000	0.001	26	0.200	33	25	-	-
Hi-Eff Wtr Htr Repl.	35	3	22	10	0	0	35	3	22	10	0	0	52,289	0.00	0.01	341	6.3	1,023	451	0	0	1493.96	0.000	0.003	114	0.285	46	45	-	-
Lighting	127	127					1,754	1,754					8,185	3.3	6.2	31,823	-	-	-	-	-	64.45	0.026	0.049	251	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	1	1					1	1					7	0.00	0.00	15	-	-	-	-	-	7.00	0.002	0.003	15	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	126	126					1,145	1,145					5,209	2.72	5.03	25,915	-	-	-	-	-	41.34	0.022	0.040	206	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (23W)	82	82					608	608					2,968	0.62	1.14	5,893	-	-	-	-	-	36.20	0.008	0.014	72	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	31	31					33	33					31,062	1.89	1.77	15,383	-	-	-	-	-	1002.00	0.061	0.057	496					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	21	21					21	21					21,009	1.18	1.10	9,570	-	-	-	-	-	1000.43	0.056	0.052	456	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	12	12					12	12					10,053	0.71	0.67	5,813	-	-	-	-	-	837.75	0.060	0.056	484	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 149 Total Households with Spending and/or Energy Impacts:

Total		**566,945**	**3805.00**
Unspecified Insul.	143	62,707	438.51
Duct Sealing	34	4,196	123.40
Duct Insulation	84	5,825	69.35
Damming Material	82	2,995	36.53
Htg. Sys. Tune & Clean	52	21,006	403.95
Htg. Sys./WH Other	106	44,950	424.06
Air Conditioning Work	2	1,575	787.50
Water Heater Repair	17	2,797	164.54
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	71	2,667	37.57
Smoke Detector	51	1,023	20.05
Fuses	5	880	176.00
Htg Sys Safety Check	6	1,458	243.00
Htg Sys Ventilation	28	3,850	137.50
Water Heater Ventilation	30	6,967	232.23
Bathroom Ventilation	78	6,997	89.70
Other Exhaust Ventilation	116	10,687	92.13
Health/Safety Repairs	0	0	0.00
Health/Safety Other	41	17,278	421.42
Consumables	0	0	0.00
General Repairs	144	115,484	801.97
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	90	234,418	2604.64
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	1	20	20.00
Lead Safe Work	103	18,718	181.72
Unspecifed	3	450	150.00
Total Reported Materials, Labor, and Support Costs:		**1,317,749**	**8,843.96**
Grand Total of Expenditures:		**1,317,749**	

Upper Des Moines Opportunity
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**194**	**194**	**153**	**30**	**0**	**0**	**194**	**189**	**1,251,673**	**39.1**		**22.3**		**122,678**	**412**	**41,200**	**10,441**	**0**	**0**	**6451.92**	**0.202**		**0.118**		**632**	**2.691**	**269**	**348**	**-**	**-**
Shell & Htg. Sys.	194	172	153	30	0	0	171	11	1,116,351	32.3	38,954	12.5	20,361	59,315	398	38,720	9,999	0	0	5754.39	0.189	228	1.135	1,851	345	2.600	253	333	-	-
Wall Insul.	145	124	117	24	0	0	124	4	273,041	13.10	15,798	2.25	3,667	19,465	111	10,851	2,655	0	0	1883.04	0.106	127	0.562	917	157	0.953	93	111	-	-
Open Blown Ceiling Insul.	174	155	143	22	0	0	155	9	109,039	8.90	10,738	6.02	9,827	20,565	46	4,489	1,214	0	0	626.66	0.057	69	0.669	1,092	133	0.322	31	55	-	-
Cavity Fil Insul.	113	87	87	24	0	0	87	2	108,888	4.16	5,017	1.63	2,662	7,679	44	4,306	1,465	0	0	963.61	0.048	58	0.816	1,331	88	0.508	49	61	-	-
Sloped Attic Insul.	76	59	59	16	0	0	59	1	39,407	2.54	3,059	0.59	961	4,020	27	2,592	941	0	0	518.51	0.043	52	0.589	961	68	0.451	44	59	-	-
Kneewall Insul.	41	30	31	8	0	0	30	2	12,551	0.62	753	0.60	971	1,724	7	728	169	0	0	306.11	0.021	25	0.298	486	57	0.241	23	21	-	-
Infil. Reduction	191	169	152	29	0	0	169	10	62,485	2.07	2,497	0.76	1,247	3,744	19	1,856	409	0	0	327.15	0.012	15	0.076	125	22	0.125	12	14	-	-
Found./Crawl. Insul.	67	23	53	9	0	0	20	5	24,556	0.91	1,091	0.54	887	1,978	4	434	103	0	0	366.50	0.045	55	0.109	177	86	0.084	8	11	-	-
Bandjoist Insul.	112	4	89	19	0	0	-	4	10,317	0.00	0	0.27	433	433	5	453	110	0	0	92.12	-	-	0.066	108	108	0.052	5	6	-	-
Exhaust Ventilation	105	5	89	11	0	0	-	5	74,582	0.00	0	-0.41	(667)	(667)	(5)	(520)	(70)	0	0	710.30	-	-	-0.082	(133)	(133)	-0.060	-6	-6	-	-
Condensing Htg Sys Repl	130	0	110	20	0	0	-	-	374,292	0.00	0	0.00	0	0	139	13,532	3,003	0	0	2879.17	-	-	-	-	-	1.264	123	150	-	-
Non-Cond Htg Sys Repl	0	0	0	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Electric Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Heat Pump Repl	4	4	0	0	0	0	-	4	27,194	0.00	0	0.23	374	374	0	0	0	0	0	6798.50	-	-	0.057	93	93	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	191	60	116	15	0	0	275	75	175	25	0	0	83,943	0.0	0.0	2,854	14.0	2,479	442	0	0	439.49	0.000	0.000	48	0.120	21	29	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	189	60	115	14	0	0	189	60	115	14	0	0	1,125	0.00	0.00	2,284	1.1	379	50	0	0	5.95	0.000	0.000	38	0.009	3	4	-	-
LF Showerhead	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Std-Eff Wtr Htr Repl.	34	13	18	3	0	0	34	13	18	3	0	0	25,277	0.00	0.01	341	2.2	363	63	0	0	743.44	0.000	0.001	26	0.124	20	21	-	-
Hi-Eff Wtr Htr Repl.	52	2	42	8	0	0	52	2	42	8	0	0	57,541	0.00	0.01	229	10.6	1,737	329	0	0	1106.56	0.000	0.003	115	0.254	41	41	-	-
Lighting	186	186					2,025	2,025					14,401	3.7	6.9	35,370	-	-	-	-	-	77.42	0.020	0.037	190	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	153	153					1,376	1,376					9,858	2.12	3.91	20,145	-	-	-	-	-	64.43	0.014	0.026	132	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	53	53					480	480					3,360	1.14	2.11	10,852	-	-	-	-	-	63.40	0.021	0.040	205	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	14	14					151	151					1,057	0.44	0.81	4,197	-	-	-	-	-	75.50	0.031	0.058	300	-	-	-	-	-
CFL (23W)	2	2					12	12					84	0.01	0.02	117	-	-	-	-	-	42.00	0.006	0.011	58	-	-	-	-	-
CFL (25W)	1	1					6	6					42	0.01	0.01	58	-	-	-	-	-	42.00	0.006	0.011	58	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	48	48					54	54					36,977	3.09	2.89	25,139	-	-	-	-	-	770.36	0.064	0.060	524					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	37	37					37	37					28,552	2.08	1.94	16,880	-	-	-	-	-	771.68	0.056	0.052	456	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	17	17					17	17					8,425	1.02	0.95	8,258	-	-	-	-	-	495.59	0.060	0.056	486	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 194 Total Households with Spending and/or Energy Impacts:

Total		**565,021**	**2912.48**
Unspecified Insul.	181	50,772	280.51
Duct Sealing	20	674	33.70
Duct Insulation	15	443	29.53
Damming Material	70	1,762	25.17
Htg. Sys. Tune & Clean	103	16,649	161.64
Htg. Sys./WH Other	103	37,582	364.87
Air Conditioning Work	6	580	96.67
Water Heater Repair	12	1,101	91.71
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	186	12,213	65.66
Smoke Detector	191	10,319	54.03
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	29	3,921	135.21
Water Heater Ventilation	73	17,625	241.44
Bathroom Ventilation	19	2,357	124.05
Other Exhaust Ventilation	86	9,564	111.21
Health/Safety Repairs	0	0	0.00
Health/Safety Other	40	3,129	78.23
Consumables	0	0	0.00
General Repairs	149	46,651	313.09
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	111	299,282	2696.24
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	150	50,396	335.97
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**1,816,694**	**9,364.40**
Grand Total of Expenditures:		**1,816,694**	

West Central Development Corporation
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**153**	**153**	**129**	**20**	**1**	**0**	**153**	**141**	**827,508**	**45.7**		**11.2**		**99,567**	**239**	**21,792**	**4,830**	**246**	**0**	**5408.55**	**0.299**		**0.080**		**651**	**1.852**	**169**	**242**	**246**	**-**
Shell & Htg. Sys.	152	144	126	20	1	0	143	5	709,698	41.6	50,142	5.3	7,665	57,807	228	19,637	4,629	246	0	4669.07	0.291	351	1.062	1,533	401	1.809	156	231	246	-
Wall Insul.	108	101	91	14	1	0	101	2	109,066	16.70	20,141	2.00	2,887	23,027	53	4,603	666	48	0	1009.87	0.165	199	1.000	1,443	228	0.587	51	48	48	-
Open Blown Ceiling Insul.	133	127	113	15	1	0	127	4	83,575	14.15	17,060	1.36	1,957	19,017	28	2,412	539	83	0	628.39	0.111	134	0.339	489	150	0.248	21	36	83	-
Cavity Fil Insul.	22	18	17	5	0	0	18	0	13,055	0.95	1,143	0.00	0	1,143	6	523	315	0	0	593.41	0.053	64	-	-	64	0.357	31	63	-	-
Sloped Attic Insul.	72	64	59	11	0	0	64	2	33,741	4.79	5,774	0.78	1,133	6,908	21	1,783	368	0	0	468.62	0.075	90	0.392	567	108	0.351	30	33	-	-
Kneewall Insul.	51	44	40	9	0	0	44	2	7,413	0.86	1,041	0.17	249	1,290	4	311	55	0	0	145.36	0.020	24	0.086	124	29	0.090	8	6	-	-
Infil. Reduction	151	143	126	20	1	0	143	4	77,648	2.86	3,454	0.54	785	4,239	16	1,373	210	8	0	514.23	0.020	24	0.136	196	30	0.126	11	11	8	-
Found./Crawl. Insul.	94	20	78	12	1	0	18	3	28,409	1.27	1,529	0.35	502	2,031	7	623	60	0	0	302.23	0.070	85	0.116	167	102	0.093	8	5	0	-
Bandjoist Insul.	67	2	52	12	1	0	-	2	4,152	0.00	0	0.10	138	138	2	139	40	2	0	61.97	-	-	0.048	69	69	0.031	3	3	2	-
Exhaust Ventilation	70	2	58	10	0	0	-	2	40,006	0.00	0	-0.18	(267)	(267)	(4)	(316)	(59)	0	0	571.52	-	-	-0.092	(133)	(133)	-0.063	-5	-6	-	-
Condensing Htg Sys Repl	88	0	74	14	0	0	-	-	290,209	0.00	0	0.00	0	0	94	8,128	2,437	0	0	3297.83	-	-	-	-	-	1.275	110	174	-	-
Non-Cond Htg Sys Repl	2	0	1	0	1	0	-	-	9,906	0.00	0	0.00	0	0	1	60	0	104	0	4952.76	-	-	-	-	-	0.691	60	-	104	-
Electric Htg Sys Repl	3	3	0	0	0	0	-	3	12,518	0.00	0	0.19	281	281	0	0	0	0	0	4172.67	-	-	0.065	94	94	-	-	-	-	-
Heat Pump Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	144	36	101	7	0	0	418	100	299	19	0	0	81,900	0.0	0.1	5,282	11.1	2,155	201	0	0	568.75	0.000	0.003	147	0.110	21	29	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	96	28	63	5	0	0	96	28	63	5	0	0	548	0.00	0.00	1,070	0.6	193	17	0	0	5.71	0.000	0.000	38	0.009	3	3	-	-
LF Showerhead	63	17	44	2	0	0	68	18	48	2	0	0	680	0.00	0.06	2,648	1.1	327	16	0	0	10.79	0.000	0.004	156	0.024	7	8	-	-
Faucet Aerator	123	31	87	5	0	0	194	49	138	7	0	0	585	0.00	0.03	1,433	0.7	201	11	0	0	4.76	0.000	0.001	46	0.008	2	2	-	-
Std-Eff Wtr Htr Repl.	27	5	21	1	0	0	27	5	21	1	0	0	31,865	0.00	0.00	132	2.9	470	22	0	0	1180.19	0.000	0.001	26	0.137	22	22	-	-
Hi-Eff Wtr Htr Repl.	33	0	29	4	0	0	33	0	29	4	0	0	48,222	0.00	0.00	0	5.9	964	135	0	0	1461.27	-	-	-	0.204	33	34	-	-
Lighting	139	139					1,434	1,434					10,374	2.2	4.0	20,718	-	-	-	-	-	74.63	0.016	0.029	149	-	-	-	-	-
CFL (5W)	70	70					464	464					3,248	0.37	0.68	3,516	-	-	-	-	-	46.40	0.005	0.010	50	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	104	104					620	620					4,676	0.95	1.76	9,077	-	-	-	-	-	44.96	0.009	0.017	87	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	45	45					272	272					1,904	0.65	1.20	6,181	-	-	-	-	-	42.31	0.014	0.027	137	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	31	31					66	66					462	0.19	0.35	1,828	-	-	-	-	-	14.90	0.006	0.011	59	-	-	-	-	-
CFL (23W)	9	9					12	12					84	0.01	0.02	117	-	-	-	-	-	9.33	0.001	0.003	13	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	29	29					34	34					25,536	1.94	1.81	15,759	-	-	-	-	-	880.54	0.067	0.062	543					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	23	23					26	26					20,281	1.46	1.36	11,867	-	-	-	-	-	881.77	0.063	0.059	516	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	8	8					8	8					5,255	0.48	0.45	3,892	-	-	-	-	-	656.86	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 153 Total Households with Spending and/or Energy Impacts:

Total		**526,009**	**3437.96**
Unspecified Insul.	146	27,116	185.73
Duct Sealing	10	1,217	121.72
Duct Insulation	103	3,749	36.40
Damming Material	116	4,385	37.81
Htg. Sys. Tune & Clean	50	5,202	104.04
Htg. Sys./WH Other	129	61,122	473.81
Air Conditioning Work	4	225	56.25
Water Heater Repair	16	3,676	229.73
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	63	2,525	40.08
Smoke Detector	30	2,024	67.46
Fuses	3	94	31.30
Htg Sys Safety Check	45	5,543	123.18
Htg Sys Ventilation	37	5,709	154.31
Water Heater Ventilation	63	15,143	240.36
Bathroom Ventilation	99	9,154	92.46
Other Exhaust Ventilation	128	8,616	67.31
Health/Safety Repairs	0	0	0.00
Health/Safety Other	55	5,466	99.37
Consumables	0	0	0.00
General Repairs	151	83,103	550.35
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	90	238,086	2645.40
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	125	40,409	323.27
Unspecifed	98	3,445	35.16
Total Reported Materials, Labor, and Support Costs:		**1,353,516**	**8,846.51**
Grand Total of Expenditures:		**1,353,516**	

Community Action Agency of Siouxland
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**145**	**145**	**120**	**9**	**2**	**0**	**145**	**138**	**680,958**	**33.3**		**21.2**		**113,238**	**346**	**32,659**	**1,606**	**237**	**0**	**4696.26**	**0.230**		**0.153**		**781**	**2.887**	**272**	**178**	**119**	**-**
Shell & Htg. Sys.	144	134	118	8	2	0	133	16	607,334	26.8	32,340	12.3	18,879	51,218	339	30,923	1,433	237	0	4217.59	0.202	243	0.772	1,180	382	2.872	262	179	119	-
Wall Insul.	74	68	68	3	0	0	68	3	79,907	8.76	10,566	0.83	1,271	11,837	66	5,983	127	0	0	1079.82	0.129	155	0.277	424	174	0.964	88	42	-	-
Open Blown Ceiling Insul.	135	125	112	7	2	0	124	14	114,891	12.45	15,016	6.28	9,594	24,610	73	6,653	257	19	0	851.04	0.100	121	0.448	685	197	0.651	59	37	10	-
Cavity Fi l Insul.	15	12	14	1	0	0	12	0	6,940	0.66	801	0.00	0	801	10	939	18	0	0	462.67	0.055	67	-	-	67	0.735	67	18	-	-
Sloped Attic Insul.	42	37	35	1	2	0	36	4	10,867	2.01	2,424	1.10	1,682	4,106	17	1,580	68	101	0	258.73	0.056	67	0.275	420	111	0.495	45	68	51	-
Kneewall Insul.	25	22	24	1	0	0	22	0	9,616	0.78	947	0.00	0	947	9	784	77	0	0	384.64	0.036	43	-	-	43	0.358	33	77	-	-
Infil. Reduction	139	129	115	8	2	0	129	14	45,601	1.87	2,250	3.09	4,718	6,967	26	2,349	175	14	0	328.06	0.014	17	0.220	337	54	0.224	20	22	7	-
Found./Crawl. Insul.	25	7	17	4	0	0	5	4	17,853	0.28	336	1.45	2,219	2,555	4	360	29	0	0	714.12	0.056	67	0.363	555	365	0.232	21	7	-	-
Bandjoist Insul.	51	6	45	0	0	0	-	6	3,691	0.00	0	0.24	361	361	4	397	0	0	0	72.37	-	-	0.039	60	60	0.097	9	-	-	-
Exhaust Ventilation	76	10	60	4	2	0	-	10	46,734	0.00	0	-0.87	(1,335)	(1,335)	(4)	(397)	(29)	(10)	0	614.92	-	-	-0.087	(133)	(133)	-0.072	-7	-7	-5	-
Condensing Htg Sys Repl	89	0	83	5	1	0	-	-	250,442	0.00	0	0.00	0	0	133	12,178	711	112	0	2813.96	-	-	-	-	-	1.608	147	142	112	-
Non-Cond Htg Sys Repl	1	0	1	0	0	0	-	-	3,120	0.00	0	0.00	0	0	1	98	0	0	0	3120.00	-	-	-	-	-	1.075	98	-	-	-
Electric Htg Sys Repl	2	2	0	0	0	0	-	2	5,603	0.00	0	0.12	182	182	0	0	0	0	0	2801.50	-	-	0.060	91	91	-	-	-	-	-
Heat Pump Repl	2	2	0	0	0	0	-	2	12,069	0.00	0	0.12	188	188	0	0	0	0	0	6034.50	-	-	0.061	94	94	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	139	31	103	5	0	0	0	0.0	0.1	5,363	7.5	1,735	173	0	0	211.80	0.000	0.003	173	0.073	17	35	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	129	31	93	5	0	0	0	0.00	0.00	1,170	1.0	346	20	0	0	5.88	0.000	0.000	38	0.011	4	4	-	-
LF Showerhead	82	20	57	5	0	0	0	0.00	0.07	3,079	1.7	510	49	0	0	10.30	0.000	0.003	154	0.029	9	10	-	-
Faucet Aerator	83	19	61	3	0	0	0	0.00	0.02	983	0.6	183	12	0	0	5.19	0.000	0.001	52	0.010	3	4	-	-
Std-Eff Wtr Htr Repl.	12	5	5	2	0	0	0	0.00	0.00	131	0.9	139	49	0	0	1015.00	0.000	0.001	26	0.171	28	24	-	-
Hi-Eff Wtr Htr Repl.	14	0	13	1	0	0	0	0.00	0.00	0	3.4	557	43	0	0	1087.50	-	-	-	0.263	43	43	-	-
Lighting	127	127					0	2.9	5.4	28,072	-	-	-	-	-	82.96	0.023	0.043	221	-	-	-	-	-
CFL (5W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	33	33					0	0.08	0.14	717	-	-	-	-	-	21.30	0.002	0.004	22	-	-	-	-	-
CFL (14W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	65	65					0	0.80	1.49	7,657	-	-	-	-	-	36.40	0.012	0.023	118	-	-	-	-	-
CFL (18W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	67	67					0	1.50	2.78	14,323	-	-	-	-	-	53.76	0.022	0.041	214	-	-	-	-	-
CFL (23W)	91	91					0	0.56	1.04	5,374	-	-	-	-	-	42.47	0.006	0.011	59	-	-	-	-	-
CFL (25W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	55	55					0	3.52	3.29	28,585	-	-	-	-	-	611.78	0.064	0.060	520					
Refrigerator Removal	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	49	49					0	2.80	2.62	22,759	-	-	-	-	-	585.39	0.057	0.053	464	-	-	-	-	-
Freezer Removal	0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	12	12					0	0.72	0.67	5,826	-	-	-	-	-	413.67	0.060	0.056	485	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 145 Total Households with Spending and/or Energy Impacts:

Total		**341,476**	**2355.01**
Unspecified Insul.	105	20,675	196.90
Duct Sealing	44	4,633	105.30
Duct Insulation	0	0	0.00
Damming Material	22	758	34.45
Htg. Sys. Tune & Clean	37	8,444	228.22
Htg. Sys./WH Other	76	25,335	333.35
Air Conditioning Work	0	0	0.00
Water Heater Repair	37	2,613	70.62
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	1	125	125.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	63	4,986	79.14
Smoke Detector	106	10,012	94.45
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	1	125	125.00
Water Heater Ventilation	55	16,804	305.53
Bathroom Ventilation	26	3,154	121.31
Other Exhaust Ventilation	78	9,624	123.38
Health/Safety Repairs	0	0	0.00
Health/Safety Other	46	8,446	183.61
Consumables	0	0	0.00
General Repairs	107	43,306	404.73
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	90	182,034	2022.60
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	2	(225)	-112.50
Lead Safe Work	0	0	0.00
Unspecifed	4	628	157.00
Total Reported Materials, Labor, and Support Costs:		**1,022,434**	**7,051.27**
Grand Total of Expenditures:		**1,022,434**	

Polk County Development Services
Calendar Year 2012
Costs, Fuel, and Demand Impacts for All Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Propane	Fuel Oil	Other	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
OVERALL (Energy Mea)	**259**	**254**	**255**	**1**	**0**	**0**	**254**	**243**	**1,271,034**	**58.0**		**21.6**		**166,629**	**657**	**60,936**	**128**	**0**	**0**	**4907.47**	**0.228**		**0.089**		**656**	**2.575**	**239**	**128**	**-**	**-**
Shell & Htg. Sys.	259	219	253	1	0	0	219	5	1,073,323	46.7	56,270	4.0	6,236	62,507	628	55,926	128	0	0	4144.11	0.213	257	0.809	1,247	285	2.484	221	128	-	-
Wall Insul.	160	129	159	0	0	0	129	1	191,904	17.84	21,512	0.27	417	21,929	140	12,345	0	0	0	1199.40	0.138	167	0.267	417	170	0.879	78	-	-	-
Open Blown Ceiling Insul.	211	176	208	0	0	0	176	3	197,446	20.54	24,777	1.72	2,686	27,462	162	14,397	0	0	0	935.76	0.117	141	0.573	895	156	0.778	69	-	-	-
Cavity Fil Insul.	1	1	1	0	0	0	1	0	300	0.02	26	0.00	0	26	0	16	0	0	0	300.00	0.022	26	-	-	26	0.182	16	-	-	-
Sloped Attic Insul.	42	32	42	0	0	0	32	0	15,070	1.65	1,991	0.00	0	1,991	18	1,620	0	0	0	358.80	0.052	62	-	-	62	0.434	39	-	-	-
Kneewall Insul.	66	52	66	0	0	0	52	0	22,113	1.47	1,770	0.00	0	1,770	14	1,210	0	0	0	335.05	0.028	34	-	-	34	0.205	18	-	-	-
Infil. Reduction	258	218	252	1	0	0	218	5	133,427	3.53	4,262	1.14	1,725	5,987	58	5,217	22	0	0	517.16	0.016	20	0.227	345	27	0.231	21	22	-	-
Found./Crawl. Insul.	127	30	124	1	0	0	28	2	115,551	1.60	1,932	1.04	1,595	3,527	36	3,246	46	0	0	909.85	0.057	69	0.520	797	118	0.290	26	46	-	-
Bandjoist Insul.	19	0	19	0	0	0	-	0	2,238	0.00	0	0.00	0	0	1	106	0	0	0	117.79	-	-	-	-	-	0.063	6	-	-	-
Exhaust Ventilation	92	3	89	0	0	0	-	3	55,018	0.00	0	-0.26	(400)	(400)	(6)	(514)	0	0	0	598.02	-	-	-0.085	(133)	(133)	-0.064	-6	-	-	-
Condensing Htg Sys Repl	131	0	131	0	0	0	-	-	237,831	0.00	0	0.00	0	0	168	14,932	0	0	0	1815.50	-	-	-	-	-	1.286	114	-	-	-
Non-Cond Htg Sys Repl	49	0	48	1	0	0	-	-	96,144	0.00	0	0.00	0	0	37	3,349	60	0	0	1962.13	-	-	-	-	-	0.766	70	60	-	-
Electric Htg Sys Repl	2	2	0	0	0	0	-	2	3,082	0.00	0	0.09	141	141	0	0	0	0	0	1541.00	-	-	0.045	71	71	-	-	-	-	-
Heat Pump Repl	1	1	0	0	0	0	-	1	3,200	0.00	0	0.05	73	73	0	0	0	0	0	3200.00	-	-	0.047	73	73	-	-	-	-	-
Other Htg Sys Repl	0	0	0	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0.00	-	-	-	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Propane	Fuel Oil	Other	Total	Electric	Gas	Propane	Fuel Oil	Other		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms	Propane gallons	Fuel Oil gallons	Other Mbtu
Water Heating	224	19	205	0	0	0	412	35	377	0	0	0	146,379	0.0	0.0	1,654	28.3	5,011	0	0	0	653.48	0.000	0.001	87	0.138	24	-	-	-
Temp. Reduct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0	0	0	0.00	-	-	-	-	-	-	-	-
Pipe Insul.	218	19	199	0	0	0	218	19	199	0	0	0	1,439	0.00	0.00	726	1.9	647	0	0	0	6.60	0.000	0.000	38	0.009	3	-	-	-
LF Showerhead	4	1	3	0	0	0	5	1	4	0	0	0	35	0.00	0.00	156	0.1	24	0	0	0	8.75	0.000	0.004	156	0.026	8	-	-	-
Faucet Aerator	29	4	25	0	0	0	57	8	49	0	0	0	186	0.00	0.01	235	0.2	76	0	0	0	6.41	0.000	0.001	59	0.010	3	-	-	-
Std-Eff Wtr Htr Repl.	45	3	42	0	0	0	45	3	42	0	0	0	44,855	0.00	0.00	78	6.6	1,073	0	0	0	996.79	0.000	0.001	26	0.157	26	-	-	-
Hi-Eff Wtr Htr Repl.	87	4	83	0	0	0	87	4	83	0	0	0	99,863	0.00	0.01	459	19.6	3,191	0	0	0	1147.85	0.000	0.003	115	0.236	38	-	-	-
Lighting	238	238					2,603	2,603					18,389	7.6	14.0	72,309	-	-	-	-	-	77.26	0.032	0.059	304	-	-	-	-	-
CFL (5W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (7W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (9W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (11W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (14W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (15W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (18W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (20W)	238	238					2,603	2,603					18,389	7.59	14.03	72,309	-	-	-	-	-	77.26	0.032	0.059	304	-	-	-	-	-
CFL (23W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (25W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL (30W)	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
CFL, unknown	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator/Freezer	66	66					66	66					32,943	3.71	3.47	30,160	-	-	-	-	-	499.14	0.056	0.053	457					
Refrigerator Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Refrigerator Exchange	65	65					65	65					32,358	3.65	3.41	29,673	-	-	-	-	-	497.82	0.056	0.052	457	-	-	-	-	-
Freezer Removal	0	0					0	0					0	0.00	0.00	0	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Freezer Exchange	1	1					1	1					585	0.06	0.06	487	-	-	-	-	-	585.00	0.060	0.056	487	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 259 Total Households with Spending and/or Energy Impacts:

Total		**1,005,970**	**3884.05**
Unspecified Insul.	214	96,935	452.97
Duct Sealing	77	14,005	181.88
Duct Insulation	99	7,735	78.13
Damming Material	122	9,194	75.36
Htg. Sys. Tune & Clean	59	14,450	244.91
Htg. Sys./WH Other	100	14,997	149.97
Air Conditioning Work	0	0	0.00
Water Heater Repair	2	155	77.50
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	11	841	76.45
Unspecified Utility Meas.	0	0	0.00
CO Detector	244	9,800	40.16
Smoke Detector	130	3,160	24.31
Fuses	1	225	225.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	50	5,792	115.84
Water Heater Ventilation	46	4,980	108.27
Bathroom Ventilation	210	112,564	536.02
Other Exhaust Ventilation	216	24,565	113.73
Health/Safety Repairs	0	0	0.00
Health/Safety Other	122	31,417	257.52
Consumables	0	0	0.00
General Repairs	237	160,403	676.81
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	193	494,711	2563.27
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	1	40	40.00
Total Reported Materials, Labor, and Support Costs:		**2,277,004**	**8,791.52**
Grand Total of Expenditures:		**2,277,004**	

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5. DETAILED SPENDING AND IMPACT PROFILES BY AGENCY FOR UTILITY EXPENDITURES

This section provides tables of spending and impacts by agency for utility expenditures.

New Opportunities
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas: Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**80**	**75**	**48**	**75**	**74**	**363,050**	**19.6**		**8.1**		**46,384**	**156**	**14,577**	**4538.12**	**0.261**		**0.110**		**618**	**3.248**	**304**
Shell & Htg. Sys.	79	74	48	74	69	317,215	17.9	21,569	5.9	8,977	30,546	151	13,799	4015.38	0.242	291	0.085	130	413	3.151	287
Wall Insul.	65	60	39	60	5	77,950	7.61	9,172	2.34	3,573	12,745	40	3,610	1199.24	0.127	153	0.467	715	212	1.015	93
Open Blown Ceiling Insul.	74	69	47	69	7	46,037	4.38	5,283	1.55	2,374	7,657	14	1,318	622.12	0.063	77	0.222	339	111	0.307	28
Cavity Fill Insul.	24	23	19	23	0	17,663	1.40	1,684	0.00	0	1,684	11	1,032	735.95	0.061	73	-	-	73	0.596	54
Sloped Attic Insul.	37	36	26	36	2	13,490	2.28	2,753	1.33	2,027	4,780	15	1,327	364.58	0.063	76	0.663	1,013	133	0.560	51
Kneewall Insul.	30	28	20	28	2	6,153	0.65	778	0.05	82	860	3	304	205.09	0.023	28	0.027	41	31	0.167	15
Infil. Reduction	34	34	18	34	2	23,534	0.45	549	0.06	89	637	3	281	692.19	0.013	16	0.029	44	19	0.171	16
Found./Crawl. Insul.	44	20	30	20	2	25,504	1.12	1,350	0.48	734	2,084	10	885	579.64	0.056	67	0.240	367	104	0.323	30
Bandjoist Insul.	39	4	25	-	4	3,342	0.00	0	0.17	265	265	1	85	85.69	-	-	0.043	66	66	0.037	3
Exhaust Ventilation	12	2	6	-	2	6,993	0.00	0	-0.17	(267)	(267)	(0)	(36)	582.71	-	-	-0.087	(133)	(133)	-0.066	-6
Condensing Htg Sys Repl	43	0	32	-	-	96,250	0.00	0	0.00	0	0	55	4,992	2238.38	-	-	-	-	-	1.710	156
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	1	1	0	-	1	300	0.00	0	0.07	101	101	0	0	300.00	-	-	0.066	101	101	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	53	21	27	56	21	29	32,418	0.0	0.0	1,168	4.7	778	611.66	0.000	0.001	56	0.173	29
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	20	8	9	20	8	9	120	0.00	0.00	306	0.1	30	6.00	0.000	0.000	38	0.010	3
LF Showerhead	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Std-Eff Wtr Htr Repl.	11	7	3	11	7	3	8,401	0.00	0.00	183	0.4	59	763.73	0.000	0.001	26	0.121	20
Hi-Eff Wtr Htr Repl.	25	6	17	25	6	17	23,897	0.00	0.02	679	4.2	689	955.88	0.000	0.003	113	0.248	41
Lighting	73	73		671	671		1,496	0.7	1.3	6,865	-	-	20.49	0.010	0.018	94	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	17	17		27	27		176	0.04	0.08	395	-	-	10.32	0.002	0.005	23	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	3	3		12	12		25	0.04	0.06	334	-	-	8.20	0.012	0.022	111	-	-
CFL (23W)	70	70		632	632		1,296	0.64	1.19	6,136	-	-	18.51	0.009	0.017	88	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	11	11		11	11		8,781	0.61	0.57	4,959	-	-	798.26	0.055	0.052	451	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	6	6		6	6		3,140	0.35	0.33	2,847	-	-	523.33	0.058	0.055	474	-	-

Costs for Measures Without Energy Impacts Installed in 80 Total Households with Spending and/or Energy Impacts:

Total		**88,453**	**1105.66**
Unspecified Insul.	33	8,522	258.24
Duct Sealing	0	0	0.00
Duct Insulation	10	656	65.59
Damming Material	19	535	28.16
Htg. Sys. Tune & Clean	10	1,977	197.70
Htg. Sys./WH Other	24	5,297	220.73
Air Conditioning Work	0	0	0.00
Water Heater Repair	1	437	436.77
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	32	1,182	36.95
Smoke Detector	32	606	18.95
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	17	2,270	133.53
Water Heater Ventilation	22	1,957	88.95
Bathroom Ventilation	6	569	94.80
Other Exhaust Ventilation	18	995	55.26
Health/Safety Repairs	0	0	0.00
Health/Safety Other	6	129	21.47
Consumables	0	0	0.00
General Repairs	33	18,038	546.60
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	56	43,458	776.04
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	22	1,301	59.15
Unspecifed	18	523	29.07
Total Reported Materials, Labor, and Support Costs:		**451,502**	**5,643.78**
Grand Total of Expenditures:		**451,502**	

Hawkeye Area Community Action Program
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms
OVERALL (Energy Mea)	**375**	**349**	**293**	**347**	**291**	**1,389,787**	**48.9**		**19.9**		**146,512**	**516**	**48,501**	**3706.10**	**0.141**		**0.068**		**420**	**1.763**	**166**
Shell & Htg. Sys.	355	291	292	289	316	1,181,560	38.7	46,681	4.4	6,775	53,456	503	46,235	3328.34	0.134	162	0.014	21	184	1.723	158
Wall Insul.	168	146	125	146	1	327,435	15.32	18,480	0.46	710	19,190	123	11,281	1949.02	0.105	127	0.461	710	131	0.982	90
Open Blown Ceiling Insul.	212	184	174	183	3	138,016	15.17	18,290	2.41	3,719	22,009	94	8,623	651.02	0.083	100	0.805	1,240	120	0.539	50
Cavity Fill Insul.	42	27	33	27	0	26,456	1.47	1,777	0.00	0	1,777	18	1,685	629.90	0.055	66	-	-	66	0.556	51
Sloped Attic Insul.	58	42	46	41	1	19,899	1.89	2,280	0.63	966	3,246	18	1,622	343.09	0.046	56	0.627	966	77	0.384	35
Kneewall Insul.	37	27	29	27	0	11,159	0.86	1,041	0.00	0	1,041	7	617	301.60	0.032	39	-	-	39	0.231	21
Infil. Reduction	217	184	195	182	5	100,238	2.40	2,889	0.29	452	3,341	35	3,251	461.93	0.013	16	0.059	90	18	0.181	17
Found./Crawl. Insul.	165	37	144	36	3	182,049	1.59	1,923	0.65	1,001	2,924	49	4,542	1103.33	0.044	53	0.217	334	79	0.343	32
Bandjoist Insul.	153	3	142	-	3	27,277	0.00	0	0.03	54	54	7	686	178.28	-	-	0.012	18	18	0.053	5
Exhaust Ventilation	83	3	72	-	3	48,077	0.00	0	-0.26	(400)	(400)	(5)	(433)	579.24	-	-	-0.087	(133)	(133)	-0.065	-6
Condensing Htg Sys Repl	122	0	111	-	-	266,910	0.00	0	0.00	0	0	147	13,480	2187.78	-	-	-	-	-	1.321	121
Non-Cond Htg Sys Repl	15	0	14	-	-	26,642	0.00	0	0.00	0	0	10	881	1776.13	-	-	-	-	-	0.685	63
Electric Htg Sys Repl	4	4	0	-	4	7,402	0.00	0	0.18	274	274	0	0	1850.50	-	-	0.044	68	68	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Number of Measures by Fuel Type: Total	Electric	Gas	Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	102	20	82	110	21	89	146,019	0.0	0.0	955	13.5	2,266	1431.56	0.000	0.000	48	0.164	28
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	57	19	38	57	19	38	684	0.00	0.00	726	0.4	131	12.00	0.000	0.000	38	0.010	3
LF Showerhead	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Std-Eff Wtr Htr Repl.	0	0	0	0	0	0	62,520	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Hi-Eff Wtr Htr Repl.	54	2	52	53	2	51	82,816	0.00	0.01	229	13.1	2,135	1533.62	0.000	0.003	115	0.252	41
Lighting	275	275		2,769	2,769		19,621	6.5	12.0	62,009	-	-	71.35	0.024	0.044	225	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	268	268		2,668	2,668		18,914	6.37	11.77	60,665	-	-	70.57	0.024	0.044	226	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	2	2		20	20		140	0.06	0.11	556	-	-	70.00	0.029	0.054	278	-	-
CFL (23W)	19	19		81	81		567	0.08	0.15	788	-	-	29.84	0.004	0.008	41	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	66	66		66	66		42,587	3.70	3.46	30,093	-	-	645.26	0.056	0.052	456	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 375 Total Households with Spending and/or Energy Impacts:

Total		**926,359**	**2470.29**
Unspecified Insul.	210	103,584	493.26
Duct Sealing	94	25,840	274.90
Duct Insulation	15	1,996	133.09
Damming Material	113	7,038	62.28
Htg. Sys. Tune & Clean	69	6,032	87.42
Htg. Sys./WH Other	34	8,917	262.26
Air Conditioning Work	0	0	0.00
Water Heater Repair	8	970	121.25
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	177	13,436	75.91
Smoke Detector	69	4,108	59.53
Fuses	3	365	121.67
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	34	19,370	569.71
Bathroom Ventilation	65	8,852	136.18
Other Exhaust Ventilation	132	22,372	169.48
Health/Safety Repairs	1	270	270.00
Health/Safety Other	77	42,581	553.00
Consumables	133	5,858	44.04
General Repairs	141	83,909	595.10
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	354	526,762	1488.03
Transportation Allowance	112	13,812	123.32
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	138	30,136	218.38
Unspecifed	3	152	50.73
Total Reported Materials, Labor, and Support Costs:		**2,316,146**	**6,176.39**
Grand Total of Expenditures:		**2,316,146**	

Community Action of Eastern Iowa
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**190**	**176**	**164**	**176**	**164**	**1,258,526**	**31.5**		**7.7**		**77,065**	**486**	**46,454**	**6623.82**	**0.179**		**0.047**		**438**	**2.961**	**283**
Shell & Htg. Sys.	190	158	162	156	190	1,065,480	27.2	32,831	1.2	1,787	34,618	467	42,923	5607.79	0.175	210	0.006	9	219	2.882	265
Wall Insul.	135	111	114	110	1	254,472	11.40	13,753	0.03	47	13,800	119	10,945	1884.98	0.104	125	0.031	47	124	1.044	96
Open Blown Ceiling Insul.	150	124	126	123	1	108,075	7.17	8,643	0.23	354	8,998	55	5,073	720.50	0.058	70	0.230	354	73	0.438	40
Cavity Fill Insul.	63	46	56	46	0	55,388	2.45	2,954	0.00	0	2,954	52	4,745	879.17	0.053	64	-	-	64	0.922	85
Sloped Attic Insul.	63	50	56	49	1	20,922	2.10	2,534	0.57	874	3,408	25	2,332	332.10	0.043	52	0.567	874	68	0.453	42
Kneewall Insul.	54	41	45	40	1	25,316	0.65	785	0.03	41	826	9	827	468.82	0.016	20	0.027	41	20	0.200	18
Infil. Reduction	186	156	158	154	2	94,862	1.73	2,082	0.18	278	2,360	32	2,954	510.01	0.011	14	0.090	139	15	0.203	19
Found./Crawl. Insul.	108	39	89	38	1	77,392	1.72	2,079	0.11	163	2,243	14	1,325	716.59	0.045	55	0.106	163	58	0.162	15
Bandjoist Insul.	136	1	111	-	1	43,798	0.00	0	0.02	29	29	8	729	322.04	-	-	0.019	29	29	0.071	7
Exhaust Ventilation	34	0	28	-	0	13,259	0.00	0	0.00	0	0	(2)	(170)	389.96	-	-	-	-	-	-0.066	-6
Condensing Htg Sys Repl	108	0	88	-	-	335,294	0.00	0	0.00	0	0	145	13,309	3104.58	-	-	-	-	-	1.645	151
Non-Cond Htg Sys Repl	14	0	11	-	-	36,701	0.00	0	0.00	0	0	9	855	2621.51	-	-	-	-	-	0.846	78
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	168	31	126	479	82	360	163,179	0.0	0.1	3,837	18.7	3,531	971.30	0.000	0.002	124	0.148	28
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	144	27	108	144	27	108	870	0.00	0.00	1,032	1.1	369	6.04	0.000	0.000	38	0.010	3
LF Showerhead	60	7	50	61	7	50	630	0.00	0.02	1,090	1.4	417	10.50	0.000	0.004	156	0.027	8
Faucet Aerator	108	22	77	179	38	126	570	0.00	0.03	1,113	0.7	205	5.28	0.000	0.001	51	0.009	3
Std-Eff Wtr Htr Repl.	56	6	42	57	6	42	97,398	0.00	0.00	158	7.2	1,182	1739.25	0.000	0.001	26	0.173	28
Hi-Eff Wtr Htr Repl.	40	4	36	38	4	34	63,711	0.00	0.01	444	8.3	1,358	1592.78	0.000	0.003	111	0.231	38
Lighting	159	159		2,027	2,027		14,261	2.7	5.0	25,806	-	-	89.69	0.017	0.031	162	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	6	6		9	9		135	0.01	0.03	132	-	-	22.50	0.002	0.004	22	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	5	5		30	30		210	0.07	0.13	682	-	-	42.00	0.014	0.026	136	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	35	35		313	313		2,191	0.91	1.69	8,700	-	-	62.60	0.026	0.048	249	-	-
CFL (23W)	30	30		276	276		1,932	0.28	0.52	2,685	-	-	64.40	0.009	0.017	89	-	-
CFL (25W)	112	112		1,399	1,399		9,793	1.43	2.64	13,607	-	-	87.44	0.013	0.024	121	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	25	25		25	25		14,224	1.40	1.30	11,345	-	-	568.96	0.056	0.052	454	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	3	3		3	3		1,382	0.18	0.17	1,460	-	-	460.67	0.060	0.056	487	-	-

Costs for Measures Without Energy Impacts Installed in 191 Total Households with Spending and/or Energy Impacts:

Total		**704,296**	**3687.42**
Unspecified Insul.	158	32,880	208.10
Duct Sealing	127	20,807	163.83
Duct Insulation	81	3,849	47.52
Damming Material	84	2,067	24.61
Htg. Sys. Tune & Clean	181	28,074	155.10
Htg. Sys./WH Other	128	60,100	469.53
Air Conditioning Work	1	150	150.00
Water Heater Repair	8	717	89.63
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	19	1,900	100.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	109	5,732	52.58
Smoke Detector	91	4,706	51.71
Fuses	0	0	0.00
Htg Sys Safety Check	141	21,495	152.45
Htg Sys Ventilation	41	5,953	145.20
Water Heater Ventilation	90	19,160	212.89
Bathroom Ventilation	84	10,574	125.88
Other Exhaust Ventilation	123	21,435	174.27
Health/Safety Repairs	0	0	0.00
Health/Safety Other	43	6,854	159.39
Consumables	160	10,590	66.19
General Repairs	185	123,633	668.29
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	119	242,084	2034.32
Transportation Allowance	82	13,733	167.47
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	118	42,992	364.34
Unspecifed	60	24,813	413.55
Total Reported Materials, Labor, and Support Costs:		**1,962,822**	**10,276.55**
Grand Total of Expenditures:		**1,962,822**	

MATURA Action Corporation
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms
OVERALL (Energy Mea)	**42**	**38**	**25**	**38**	**36**	**182,198**	**12.2**		**6.2**		**32,471**	**123**	**10,806**	**4338.06**	**0.322**		**0.172**		**855**	**4.905**	**432**
Shell & Htg. Sys.	42	38	25	37	35	162,736	10.9	13,178	4.2	6,121	19,298	121	10,396	3874.68	0.295	356	0.121	175	508	4.826	416
Wall Insul.	30	27	18	26	2	35,844	4.19	5,051	0.91	1,311	6,362	28	2,420	1194.81	0.161	194	0.454	655	236	1.560	134
Open Blown Ceiling Insul.	41	37	25	36	4	30,782	3.41	4,115	2.60	3,752	7,867	18	1,541	750.78	0.095	114	0.650	938	213	0.715	62
Cavity Fill Insul.	11	10	8	10	0	5,010	0.79	952	0.00	0	952	9	780	455.46	0.079	95	-	-	95	1.132	98
Sloped Attic Insul.	18	16	11	16	0	4,571	1.31	1,577	0.00	0	1,577	8	731	253.96	0.082	99	-	-	99	0.772	66
Kneewall Insul.	7	7	5	7	0	2,233	0.12	150	0.00	0	150	1	92	318.99	0.018	21	-	-	21	0.213	18
Infil. Reduction	41	37	25	36	3	20,983	0.54	654	0.31	446	1,100	8	676	511.77	0.015	18	0.103	149	30	0.314	27
Found./Crawl. Insul.	20	10	13	8	2	8,859	0.56	680	0.29	418	1,098	5	393	442.97	0.071	85	0.145	209	110	0.351	30
Bandjoist Insul.	24	2	18	-	2	2,049	0.00	0	0.13	195	195	1	108	85.39	-	-	0.067	97	97	0.070	6
Exhaust Ventilation	4	1	3	-	1	2,646	0.00	0	-0.09	(133)	(133)	(0)	(30)	661.40	-	-	-0.092	(133)	(133)	-0.116	-10
Condensing Htg Sys Repl	18	0	15	-	-	47,159	0.00	0	0.00	0	0	43	3,686	2619.94	-	-	-	-	-	2.851	246
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	1	1	0	-	1	2,600	0.00	0	0.09	132	132	0	0	2600.00	-	-	0.092	132	132	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	33	14	16	56	25	25	10,420	0.0	0.0	1,506	2.0	410	315.76	0.000	0.002	108	0.124	26
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	33	14	16	33	14	16	192	0.00	0.00	532	0.3	90	5.82	0.000	0.000	38	0.016	6
LF Showerhead	11	5	6	13	7	6	130	0.00	0.02	777	0.3	82	11.82	0.000	0.004	155	0.044	14
Faucet Aerator	1	1	0	1	1	0	3	0.00	0.00	29	0.0	0	3.00	0.000	0.001	29	-	-
Std-Eff Wtr Htr Repl.	4	2	1	4	2	1	3,540	0.00	0.00	53	0.3	57	885.00	0.000	0.001	26	0.347	57
Hi-Eff Wtr Htr Repl.	5	1	2	5	1	2	6,555	0.00	0.00	115	1.1	181	1311.00	0.000	0.003	115	0.554	90
Lighting	35	35		322	322		2,254	0.8	1.5	7,564	-	-	64.40	0.023	0.042	216	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	29	29		170	170		1,190	0.40	0.75	3,856	-	-	41.03	0.014	0.026	133	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	22	22		124	124		868	0.36	0.67	3,436	-	-	39.45	0.016	0.030	156	-	-
CFL (23W)	9	9		24	24		168	0.02	0.05	233	-	-	18.67	0.003	0.005	26	-	-
CFL (25W)	1	1		4	4		28	0.00	0.01	39	-	-	28.00	0.004	0.008	39	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	8	8		8	8		6,194	0.44	0.42	3,616	-	-	774.25	0.056	0.052	452	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	1	1		1	1		594	0.06	0.06	487	-	-	594.00	0.060	0.056	487	-	-

Costs for Measures Without Energy Impacts Installed in 42 Total Households with Spending and/or Energy Impacts:

Total		**93,046**	**2215.39**
Unspecified Insul.	21	6,874	327.32
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	9	337	37.49
Htg. Sys. Tune & Clean	9	2,734	303.78
Htg. Sys./WH Other	19	5,878	309.37
Air Conditioning Work	0	0	0.00
Water Heater Repair	1	1,000	1000.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	9	230	25.56
Smoke Detector	9	240	26.61
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	6	725	120.83
Water Heater Ventilation	12	3,069	255.75
Bathroom Ventilation	7	1,685	240.71
Other Exhaust Ventilation	14	2,915	208.21
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	41	25,662	625.90
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	33	35,117	1064.16
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	16	6,580	411.27
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**275,245**	**6,553.44**
Grand Total of Expenditures:		**275,245**	

Mid-Iowa Community Action
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms
OVERALL (Energy Mea)	**144**	**130**	**117**	**130**	**125**	**631,590**	**25.4**		**11.9**		**71,558**	**327**	**31,240**	**4386.04**	**0.195**		**0.095**		**550**	**2.799**	**267**
Shell & Htg. Sys.	142	119	116	118	132	594,471	22.0	26,589	6.4	10,060	36,649	322	29,976	4186.42	0.187	225	0.049	76	308	2.773	258
Wall Insul.	105	91	85	91	5	197,916	9.53	11,491	2.98	4,658	16,149	104	9,665	1884.91	0.105	126	0.596	932	177	1.220	114
Open Blown Ceiling Insul.	120	99	99	99	5	92,840	7.19	8,675	0.73	1,138	9,813	43	4,015	773.67	0.073	88	0.146	228	99	0.435	41
Cavity Fill Insul.	31	21	24	20	2	20,198	1.09	1,310	0.73	1,138	2,449	20	1,836	651.55	0.054	66	0.364	569	117	0.821	77
Sloped Attic Insul.	54	40	45	40	3	16,777	1.87	2,255	1.36	2,125	4,379	20	1,866	310.68	0.047	56	0.453	708	109	0.445	41
Kneewall Insul.	20	14	19	14	0	9,408	0.24	293	0.00	0	293	3	286	470.38	0.017	21	-	-	21	0.161	15
Infil. Reduction	139	113	113	112	6	60,789	0.96	1,153	0.33	512	1,664	14	1,298	437.33	0.009	10	0.055	85	15	0.123	11
Found./Crawl. Insul.	63	26	53	26	1	37,197	1.17	1,412	0.04	55	1,467	10	946	590.43	0.045	54	0.035	55	56	0.192	18
Bandjoist Insul.	87	4	75	-	4	10,465	0.00	0	0.28	443	443	5	427	120.29	-	-	0.071	111	111	0.061	6
Exhaust Ventilation	25	1	18	-	1	18,117	0.00	0	-0.09	(133)	(133)	(1)	(124)	724.67	-	-	-0.085	(133)	(133)	-0.074	-7
Condensing Htg Sys Repl	70	0	64	-	-	125,807	0.00	0	0.00	0	0	105	9,761	1797.24	-	-	-	-	-	1.636	153
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	1	1	0	-	1	4,958	0.00	0	0.08	125	125	0	0	4958.05	-	-	0.080	125	125	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	122	37	81	266	88	171	25,035	0.0	0.1	4,365	5.8	1,264	205.21	0.000	0.002	118	0.071	16
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	95	32	60	95	32	60	262	0.00	0.00	1,219	0.7	230	2.75	0.000	0.000	38	0.011	4
LF Showerhead	46	12	33	46	12	33	179	0.00	0.04	1,867	1.0	305	3.89	0.000	0.004	156	0.030	9
Faucet Aerator	73	28	43	108	42	64	169	0.00	0.03	1,227	0.4	117	2.31	0.000	0.001	44	0.009	3
Std-Eff Wtr Htr Repl.	4	2	2	4	2	2	4,171	0.00	0.00	53	0.3	51	1042.66	0.000	0.001	26	0.156	26
Hi-Eff Wtr Htr Repl.	13	0	12	13	0	12	20,255	0.00	0.00	0	3.4	561	1558.10	-	-	-	0.286	47
Lighting	121	121		1,171	1,171		2,517	2.4	4.5	23,158	-	-	20.80	0.020	0.037	191	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	111	111		906	906		1,862	2.16	3.99	20,582	-	-	16.77	0.019	0.036	185	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (23W)	90	90		265	265		655	0.27	0.50	2,576	-	-	7.28	0.003	0.006	29	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	13	13		13	13		8,354	0.73	0.68	5,927	-	-	642.58	0.056	0.052	456	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	3	3		3	3		1,213	0.18	0.17	1,460	-	-	404.49	0.060	0.056	487	-	-

Costs for Measures Without Energy Impacts Installed in 144 Total Households with Spending and/or Energy Impacts:

Total		**251,083**	**1743.63**
Unspecified Insul.	5	866	173.17
Duct Sealing	15	2,216	147.71
Duct Insulation	28	3,280	117.13
Damming Material	0	0	0.00
Htg. Sys. Tune & Clean	45	3,512	78.04
Htg. Sys./WH Other	37	5,460	147.57
Air Conditioning Work	0	0	0.00
Water Heater Repair	15	333	22.21
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	46	1,366	29.69
Smoke Detector	18	451	25.06
Fuses	0	0	0.00
Htg Sys Safety Check	47	4,415	93.94
Htg Sys Ventilation	30	2,858	95.27
Water Heater Ventilation	50	4,052	81.05
Bathroom Ventilation	8	2,006	250.76
Other Exhaust Ventilation	21	3,286	156.46
Health/Safety Repairs	0	0	0.00
Health/Safety Other	10	423	42.30
Consumables	0	0	0.00
General Repairs	103	38,974	378.39
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	144	171,574	1191.48
Transportation Allowance	9	2,558	284.21
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	17	2,597	152.78
Unspecifed	5	857	171.48
Total Reported Materials, Labor, and Support Costs:		**882,673**	**6,129.67**
Grand Total of Expenditures:		**882,673**	

Mid-Sioux Opportunity
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms
OVERALL (Energy Mea)	**52**	**51**	**41**	**51**	**45**	**272,546**	**12.1**		**5.7**		**35,876**	**93**	**8,823**	**5241.26**	**0.237**		**0.128**		**703**	**2.259**	**215**
Shell & Htg. Sys.	52	47	41	47	50	239,408	10.2	12,334	2.9	4,504	16,839	89	8,094	4603.99	0.218	262	0.059	90	358	2.164	197
Wall Insul.	35	32	30	32	2	47,344	4.21	5,080	0.20	312	5,392	24	2,190	1352.70	0.132	159	0.102	156	168	0.800	73
Open Blown Ceiling Insul.	46	41	36	41	7	30,338	3.20	3,863	1.47	2,240	6,104	8	765	659.52	0.078	94	0.209	320	149	0.233	21
Cavity Fill Insul.	16	12	15	12	0	11,515	0.60	722	0.00	0	722	9	792	719.69	0.050	60	-	-	60	0.579	53
Sloped Attic Insul.	21	19	17	19	2	6,215	1.23	1,479	0.63	968	2,447	7	635	295.95	0.065	78	0.317	484	129	0.409	37
Kneewall Insul.	14	13	12	13	1	2,012	0.24	295	0.03	52	347	1	112	143.71	0.019	23	0.034	52	27	0.102	9
Infil. Reduction	52	45	40	45	7	22,297	0.63	759	0.25	379	1,138	3	251	428.79	0.014	17	0.035	54	25	0.069	6
Found./Crawl. Insul.	4	2	4	2	0	10,169	0.11	136	0.00	0	136	0	34	2542.30	0.056	68	-	-	68	0.093	9
Bandjoist Insul.	21	4	16	-	4	3,848	0.00	0	0.30	459	459	1	93	183.23	-	-	0.075	115	115	0.064	6
Exhaust Ventilation	17	2	13	-	2	6,580	0.00	0	-0.17	(267)	(267)	(1)	(66)	387.06	-	-	-0.087	(133)	(133)	-0.056	-5
Condensing Htg Sys Repl	36	0	34	-	-	83,855	0.00	0	0.00	0	0	35	3,216	2329.31	-	-	-	-	-	1.037	95
Non-Cond Htg Sys Repl	1	0	1	-	-	4,600	0.00	0	0.00	0	0	1	73	4600.00	-	-	-	-	-	0.800	73
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	2	2	0	-	2	10,634	0.00	0	0.24	360	360	0	0	5317.00	-	-	0.118	180	180	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW		Annual kWh	Pk-Day therms	Annual therms		Summer kW		Winter kW		Annual kWh	Pk-Day therms	Annual therms
Water Heating	49	20	29	134	49	85	21,066	0.0	0.0		2,385	3.9	728	429.92	0.000		0.002		119	0.135	25
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Pipe Insul.	47	20	27	47	20	27	282	0.00	0.00		758	0.2	77	6.00	0.000		0.000		38	0.008	3
LF Showerhead	15	5	10	15	5	10	150	0.00	0.02		773	0.2	69	10.00	0.000		0.004		155	0.023	7
Faucet Aerator	29	10	19	45	17	28	135	0.00	0.01		495	0.1	38	4.66	0.000		0.001		49	0.007	2
Std-Eff Wtr Htr Repl.	15	5	10	15	5	10	9,324	0.00	0.00		130	1.3	211	621.60	0.000		0.001		26	0.130	21
Hi-Eff Wtr Htr Repl.	12	2	10	12	2	10	11,175	0.00	0.01		229	2.0	332	931.25	0.000		0.003		115	0.204	33
Lighting	35	35		478	478		3,394	1.1	2.1		10,725	-	-	96.97	0.032		0.059		306	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (11W)	3	3		6	6		90	0.01	0.02		86	-	-	30.00	0.003		0.006		29	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (15W)	17	17		116	116		812	0.28	0.51		2,629	-	-	47.76	0.016		0.030		155	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (20W)	29	29		254	254		1,778	0.74	1.36		7,019	-	-	61.31	0.025		0.047		242	-	-
CFL (23W)	20	20		102	102		714	0.10	0.19		991	-	-	35.70	0.005		0.010		50	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Exchange	12	12		13	13		8,678	0.73	0.68		5,927	-	-	723.17	0.061		0.057		494	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Exchange	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-

Costs for Measures Without Energy Impacts Installed in 52 Total Households with Spending and/or Energy Impacts:

Total		**116,429**	**2239.01**
Unspecified Insul.	31	8,265	266.61
Duct Sealing	4	398	99.50
Duct Insulation	0	0	0.00
Damming Material	8	220	27.50
Htg. Sys. Tune & Clean	8	1,480	185.00
Htg. Sys./WH Other	30	5,772	192.40
Air Conditioning Work	0	0	0.00
Water Heater Repair	9	315	35.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	32	3,251	101.59
Smoke Detector	28	2,327	83.11
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	14	1,850	132.14
Water Heater Ventilation	21	2,825	134.52
Bathroom Ventilation	24	4,661	194.21
Other Exhaust Ventilation	30	4,155	138.50
Health/Safety Repairs	0	0	0.00
Health/Safety Other	0	0	0.00
Consumables	0	0	0.00
General Repairs	43	11,734	272.89
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	45	69,175	1537.23
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**388,974**	**7,480.27**
Grand Total of Expenditures:		**388,974**	

North Iowa Community Action Organization
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings: Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms	Average Estimated First Year Measure Cost and Savings, Average per Treated Household: Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Gas Annual therms
OVERALL (Energy Mea)	**172**	**168**	**158**	**168**	**163**	**948,729**	**30.4**		**19.9**		**114,653**	**381**	**38,731**	**5515.87**	**0.181**		**0.122**		**682**	**2.410**	**245**
Shell & Htg. Sys.	172	135	158	135	168	791,816	22.9	27,569	8.5	14,119	41,688	369	36,380	4603.58	0.169	204	0.051	84	309	2.335	230
Wall Insul.	150	119	139	119	4	272,838	10.38	12,523	3.63	5,994	18,517	112	11,089	1818.92	0.087	105	0.907	1,499	156	0.809	80
Open Blown Ceiling Insul.	162	127	148	127	4	78,402	7.92	9,556	2.38	3,934	13,490	89	8,802	483.96	0.062	75	0.595	984	106	0.603	59
Cavity Fill Insul.	58	43	54	43	2	30,971	1.16	1,401	0.88	1,450	2,851	21	2,106	533.98	0.027	33	0.439	725	66	0.395	39
Sloped Attic Insul.	74	51	68	51	2	26,638	1.57	1,892	0.76	1,257	3,149	22	2,193	359.97	0.031	37	0.380	629	62	0.327	32
Kneewall Insul.	49	37	44	37	2	26,593	0.62	748	0.38	621	1,369	10	951	542.72	0.017	20	0.188	310	37	0.219	22
Infil. Reduction	93	70	86	70	1	31,764	0.72	870	0.20	329	1,199	10	949	341.55	0.010	12	0.199	329	17	0.112	11
Found./Crawl. Insul.	57	14	53	13	2	30,206	0.48	579	0.21	348	927	7	720	529.93	0.037	45	0.105	174	66	0.138	14
Bandjoist Insul.	53	1	48	-	1	6,973	0.00	0	0.06	106	106	3	313	131.57	-	-	0.064	106	106	0.066	7
Exhaust Ventilation	8	0	8	-	0	2,696	0.00	0	0.00	0	0	(0)	(37)	336.97	-	-	-	-	-	-0.047	-5
Condensing Htg Sys Repl	99	0	96	-	-	282,399	0.00	0	0.00	0	0	94	9,294	2852.52	-	-	-	-	-	0.982	97
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	1	1	0	-	1	2,335	0.00	0	0.05	80	80	0	0	2335.00	-	-	0.048	80	80	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type: Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	150	28	116	491	91	377	94,857	0.0	0.1	5,639	11.9	2,351	632.38	0.000	0.004	201	0.103	20
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	146	28	112	146	28	112	105	0.00	0.00	1,068	0.8	293	0.72	0.000	0.000	38	0.008	3
LF Showerhead	75	19	55	75	19	55	311	0.00	0.07	2,956	1.1	349	4.15	0.000	0.004	156	0.021	6
Faucet Aerator	124	25	93	207	39	157	120	0.00	0.03	1,142	0.6	195	0.97	0.000	0.001	46	0.007	2
Std-Eff Wtr Htr Repl.	7	1	5	7	1	5	10,610	0.00	0.00	26	0.5	81	1515.71	0.000	0.001	26	0.099	16
Hi-Eff Wtr Htr Repl.	57	4	49	56	4	48	83,710	0.00	0.01	447	8.8	1,434	1468.59	0.000	0.003	112	0.179	29
Lighting	161	161		1,946	1,946		12,499	4.6	8.5	43,901	-	-	77.64	0.029	0.053	273	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	27	27		40	40		572	0.06	0.11	586	-	-	21.20	0.002	0.004	22	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	161	161		1,906	1,906		11,927	4.55	8.40	43,314	-	-	74.08	0.028	0.052	269	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (23W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	1	1		1	1		25	0.06	0.05	457	-	-	25.00	0.056	0.053	457	-	-
Refrigerator Exchange	49	49		44	44		46,555	2.49	2.33	20,238	-	-	950.09	0.051	0.047	413	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	6	6		6	6		2,978	0.34	0.31	2,729	-	-	496.33	0.056	0.052	455	-	-

Costs for Measures Without Energy Impacts Installed in 172 Total Households with Spending and/or Energy Impacts:

Total		**250,812**	**1458.21**
Unspecified Insul.	71	14,332	201.85
Duct Sealing	0	0	0.00
Duct Insulation	0	0	0.00
Damming Material	20	1,145	57.25
Htg. Sys. Tune & Clean	36	3,822	106.16
Htg. Sys./WH Other	15	5,458	363.87
Air Conditioning Work	0	0	0.00
Water Heater Repair	13	1,289	99.12
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	86	4,988	58.00
Smoke Detector	10	486	48.64
Fuses	0	0	0.00
Htg Sys Safety Check	93	4,518	48.59
Htg Sys Ventilation	5	750	150.00
Water Heater Ventilation	9	1,350	150.00
Bathroom Ventilation	57	12,302	215.83
Other Exhaust Ventilation	41	6,105	148.90
Health/Safety Repairs	0	0	0.00
Health/Safety Other	7	768	109.77
Consumables	93	4,634	49.83
General Repairs	91	60,460	664.39
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	114	128,405	1126.36
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**1,199,541**	**6,974.08**
Grand Total of Expenditures:		**1,199,541**	

Northeast Iowa Community Action Corporation
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**121**	**102**	**72**	**102**	**94**	**350,496**	**9.2**		**4.4**		**36,647**	**147**	**14,455**	**2896.66**	**0.091**		**0.047**		**359**	**2.037**	**201**
Shell & Htg. Sys.	96	53	70	53	86	268,703	6.3	7,628	0.5	705	8,333	136	12,704	2798.99	0.119	144	0.005	8	157	1.948	181
Wall Insul.	43	21	31	21	1	53,618	2.20	2,657	0.32	505	3,162	35	3,236	1246.93	0.105	127	0.323	505	151	1.121	104
Open Blown Ceiling Insul.	65	34	44	34	1	50,151	3.01	3,635	0.07	115	3,750	14	1,300	771.55	0.089	107	0.074	115	110	0.317	30
Cavity Fill Insul.	2	1	2	1	0	1,458	0.05	56	0.00	0	56	1	85	729.00	0.046	56	-	-	56	0.457	43
Sloped Attic Insul.	5	3	3	3	0	2,071	0.19	225	0.00	0	225	1	126	414.20	0.062	75	-	-	75	0.452	42
Kneewall Insul.	15	6	11	6	0	7,689	0.27	331	0.00	0	331	3	267	512.60	0.046	55	-	-	55	0.261	24
Infil. Reduction	54	33	35	33	1	32,313	0.37	451	0.05	72	523	6	549	598.38	0.011	14	0.046	72	16	0.168	16
Found./Crawl. Insul.	12	5	9	5	0	9,825	0.23	274	0.00	0	274	2	174	818.71	0.045	55	-	-	55	0.208	19
Bandjoist Insul.	44	1	33	-	1	13,826	0.00	0	0.01	13	13	3	239	314.24	-	-	0.008	13	13	0.078	7
Exhaust Ventilation	8	0	5	-	0	4,536	0.00	0	0.00	0	0	(0)	(29)	566.95	-	-	-	-	-	-0.063	-6
Condensing Htg Sys Repl	57	0	47	-	-	93,217	0.00	0	0.00	0	0	73	6,758	1635.39	-	-	-	-	-	1.544	144
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW		Annual kWh	Pk-Day therms	Annual therms		Summer kW		Winter kW		Annual kWh	Pk-Day therms	Annual therms
Water Heating	93	40	48	158	60	90	59,440	0.0	0.0		2,789	10.3	1,751	639.14	0.000		0.001		70	0.214	36
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Pipe Insul.	76	39	33	76	39	33	142	0.00	0.00		1,489	0.3	109	1.87	0.000		0.000		38	0.010	3
LF Showerhead	6	3	3	7	4	3	43	0.00	0.01		469	0.1	24	7.19	0.000		0.004		156	0.026	8
Faucet Aerator	14	6	8	21	10	11	14	0.00	0.01		293	0.1	17	1.02	0.000		0.001		49	0.007	2
Std-Eff Wtr Htr Repl.	10	3	4	10	3	4	10,127	0.00	0.00		79	0.7	106	1012.75	0.000		0.001		26	0.163	27
Hi-Eff Wtr Htr Repl.	44	4	39	44	4	39	49,113	0.00	0.01		459	9.2	1,493	1116.21	0.000		0.003		115	0.235	38
Lighting	86	86		597	597		1,156	1.3	2.4		12,228	-	-	13.44	0.015		0.028		142	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (11W)	4	4		34	34		68	0.05	0.10		498	-	-	17.00	0.013		0.024		125	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (15W)	40	40		164	164		328	0.39	0.72		3,729	-	-	8.20	0.010		0.018		93	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (20W)	43	43		228	228		410	0.67	1.23		6,337	-	-	9.53	0.015		0.029		147	-	-
CFL (23W)	40	40		164	164		332	0.17	0.31		1,595	-	-	8.30	0.004		0.008		40	-	-
CFL (25W)	2	2		7	7		18	0.01	0.01		68	-	-	9.00	0.004		0.007		34	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Exchange	27	27		26	26		19,789	1.46	1.36		11,837	-	-	732.93	0.054		0.050		438	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Exchange	3	3		3	3		1,407	0.18	0.17		1,460	-	-	469.00	0.060		0.056		487	-	-

Costs for Measures Without Energy Impacts Installed in 123 Total Households with Spending and/or Energy Impacts:

Total		**155,907**	**1267.53**
Unspecified Insul.	32	8,186	255.82
Duct Sealing	1	270	269.50
Duct Insulation	1	55	55.00
Damming Material	1	86	86.07
Htg. Sys. Tune & Clean	1	275	275.00
Htg. Sys./WH Other	6	2,362	393.70
Air Conditioning Work	0	0	0.00
Water Heater Repair	1	7	6.99
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	42	1,873	44.60
Smoke Detector	34	370	10.88
Fuses	1	4	3.99
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	0	0	0.00
Water Heater Ventilation	0	0	0.00
Bathroom Ventilation	11	2,398	217.98
Other Exhaust Ventilation	33	6,996	211.99
Health/Safety Repairs	0	0	0.00
Health/Safety Other	1	54	54.06
Consumables	26	1,418	54.54
General Repairs	65	17,230	265.07
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	120	100,744	839.53
Transportation Allowance	32	7,308	228.38
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	33	3,886	117.75
Unspecifed	1	2,385	2385.00
Total Reported Materials, Labor, and Support Costs:		**506,402**	**4,117.09**
Grand Total of Expenditures:		**506,402**	

Operation: New View Community Action Agency
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Winter kW	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Winter kW	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**89**	**80**	**76**	**80**	**79**	**226,230**	**11.0**	**4.3**	**35,607**	**104**	**9,871**	**2541.91**	**0.137**	**0.055**	**445**	**1.373**	**130**
Shell & Htg. Sys.	84	65	75	65	79	179,574	8.3	10,054	0.8	1,256	11,311	101	9,310	2137.79	0.128	155	0.010	16	174	1.350	124
Wall Insul.	32	27	30	27	0	36,750	2.81	3,394	0.00	0	3,394	20	1,865	1148.43	0.104	126	-	-	126	0.676	62
Open Blown Ceiling Insul.	54	48	46	48	1	17,953	2.85	3,438	0.03	51	3,489	6	565	332.46	0.059	72	0.033	51	73	0.134	12
Cavity Fill Insul.	22	12	20	12	0	15,881	0.68	826	0.00	0	826	9	804	721.88	0.057	69	-	-	69	0.437	40
Sloped Attic Insul.	21	17	18	17	1	7,233	1.25	1,504	0.53	823	2,326	8	691	344.40	0.073	88	0.534	823	137	0.418	38
Kneewall Insul.	9	7	8	7	0	1,249	0.08	95	0.00	0	95	1	61	138.77	0.011	14	-	-	14	0.083	8
Infil. Reduction	30	28	28	28	0	3,915	0.35	417	0.00	0	417	4	374	130.49	0.012	15	-	-	15	0.145	13
Found./Crawl. Insul.	37	8	34	7	1	26,453	0.32	380	0.20	307	687	10	909	714.93	0.045	54	0.199	307	86	0.291	27
Bandjoist Insul.	32	1	31	-	1	2,339	0.00	0	0.05	76	76	1	111	73.11	-	-	0.049	76	76	0.039	4
Exhaust Ventilation	7	0	7	-	0	2,937	0.00	0	0.00	0	0	(0)	(35)	419.54	-	-	-	-	-	-0.054	-5
Condensing Htg Sys Repl	27	0	27	-	-	56,778	0.00	0	0.00	0	0	40	3,702	2102.87	-	-	-	-	-	1.491	137
Non-Cond Htg Sys Repl	6	0	5	-	-	8,088	0.00	0	0.00	0	0	3	262	1348.00	-	-	-	-	-	0.571	52
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	65	22	43	82	27	55	20,467	0.0	0.0	1,322	3.1	562	314.88	0.000	0.001	60	0.071	13
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	63	22	41	63	22	41	426	0.00	0.00	840	0.3	116	6.76	0.000	0.000	38	0.008	3
LF Showerhead	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Std-Eff Wtr Htr Repl.	2	1	1	2	1	1	2,438	0.00	0.00	26	0.1	18	1219.00	0.000	0.001	26	0.111	18
Hi-Eff Wtr Htr Repl.	17	4	13	17	4	13	17,603	0.00	0.01	456	2.6	428	1035.47	0.000	0.003	114	0.202	33
Lighting	78	78		869	869		6,083	1.2	2.1	11,015	-	-	77.99	0.015	0.027	141	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	11	11		111	111		777	0.27	0.49	2,524	-	-	70.64	0.024	0.045	229	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	5	5		62	62		434	0.18	0.33	1,723	-	-	86.80	0.036	0.067	345	-	-
CFL (23W)	38	38		380	380		2,660	0.39	0.72	3,693	-	-	70.00	0.010	0.019	97	-	-
CFL (25W)	27	27		316	316		2,212	0.32	0.60	3,074	-	-	81.93	0.012	0.022	114	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	20	20		22	22		17,948	1.26	1.18	10,268	-	-	897.40	0.063	0.059	513	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	4	4		3	3		2,158	0.21	0.19	1,691	-	-	539.50	0.052	0.049	423	-	-

Costs for Measures Without Energy Impacts Installed in 89 Total Households with Spending and/or Energy Impacts:

Total		**104,773**	**1177.22**
Unspecified Insul.	33	5,491	166.39
Duct Sealing	19	883	46.46
Duct Insulation	5	267	53.43
Damming Material	15	367	24.49
Htg. Sys. Tune & Clean	30	2,267	75.56
Htg. Sys./WH Other	31	8,923	287.83
Air Conditioning Work	0	0	0.00
Water Heater Repair	7	311	44.43
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	26	2,192	84.29
Smoke Detector	6	452	75.25
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	2	300	150.00
Water Heater Ventilation	13	2,415	185.77
Bathroom Ventilation	13	1,056	81.24
Other Exhaust Ventilation	29	2,211	76.23
Health/Safety Repairs	0	0	0.00
Health/Safety Other	5	443	88.60
Consumables	0	0	0.00
General Repairs	26	6,692	257.37
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	89	69,917	785.58
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	6	588	97.98
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**331,003**	**3,719.14**
Grand Total of Expenditures:		**331,003**	

Operation Threshold
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**125**	**121**	**119**	**121**	**115**	**560,098**	**23.9**		**6.0**		**60,428**	**285**	**28,287**	**4480.78**	**0.198**		**0.052**		**499**	**2.395**	**238**
Shell & Htg. Sys.	123	106	118	106	123	476,964	20.3	24,479	1.0	1,609	26,088	268	24,927	3877.76	0.191	231	0.008	13	246	2.268	211
Wall Insul.	92	80	89	80	2	146,254	8.48	10,227	0.63	983	11,210	82	7,617	1589.72	0.106	128	0.315	491	140	0.919	86
Open Blown Ceiling Insul.	112	97	109	97	1	65,092	6.75	8,143	0.16	248	8,391	45	4,150	581.18	0.070	84	0.159	248	87	0.409	38
Cavity Fill Insul.	36	31	35	31	0	31,421	1.82	2,189	0.00	0	2,189	22	2,031	872.81	0.059	71	-	-	71	0.623	58
Sloped Attic Insul.	38	28	36	28	1	17,950	1.19	1,434	0.24	378	1,811	16	1,497	472.37	0.042	51	0.242	378	65	0.446	42
Kneewall Insul.	33	28	31	28	0	10,833	0.54	653	0.00	0	653	6	538	328.28	0.019	23	-	-	23	0.186	17
Infil. Reduction	120	105	115	105	2	51,738	1.29	1,560	0.01	11	1,571	13	1,173	431.15	0.012	15	0.003	5	15	0.109	10
Found./Crawl. Insul.	25	5	22	5	0	23,867	0.23	274	0.00	0	274	5	447	954.66	0.045	55	-	-	55	0.218	20
Bandjoist Insul.	62	0	61	-	0	5,486	0.00	0	0.00	0	0	3	323	88.48	-	-	-	-	-	0.057	5
Exhaust Ventilation	38	1	35	-	1	33,034	0.00	0	-0.09	(133)	(133)	(3)	(237)	869.33	-	-	-0.086	(133)	(133)	-0.073	-7
Condensing Htg Sys Repl	53	0	52	-	-	84,659	0.00	0	0.00	0	0	78	7,266	1597.35	-	-	-	-	-	1.500	140
Non-Cond Htg Sys Repl	3	0	2	-	-	5,005	0.00	0	0.00	0	0	1	122	1668.33	-	-	-	-	-	0.654	61
Electric Htg Sys Repl	1	1	0	-	1	1,624	0.00	0	0.08	123	123	0	0	1624.00	-	-	0.079	123	123	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	121	18	101	400	51	341	58,160	0.0	0.0	2,662	17.4	3,360	480.66	0.000	0.003	148	0.172	33
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	118	18	98	118	18	98	654	0.00	0.00	687	1.1	374	5.54	0.000	0.000	38	0.011	4
LF Showerhead	58	8	48	58	8	48	590	0.00	0.03	1,250	1.4	444	10.17	0.000	0.004	156	0.030	9
Faucet Aerator	95	13	80	167	22	141	507	0.00	0.01	645	0.8	256	5.34	0.000	0.001	50	0.010	3
Std-Eff Wtr Htr Repl.	15	3	12	15	3	12	10,997	0.00	0.00	79	2.4	384	733.13	0.000	0.001	26	0.196	32
Hi-Eff Wtr Htr Repl.	43	0	43	42	0	42	45,412	0.00	0.00	0	11.7	1,902	1056.09	-	-	-	0.271	44
Lighting	114	114		926	926		6,482	1.7	3.1	15,843	-	-	56.86	0.015	0.027	139	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	74	74		429	429		3,003	0.66	1.22	6,284	-	-	40.58	0.009	0.016	85	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	82	82		363	363		2,541	0.87	1.60	8,255	-	-	30.99	0.011	0.020	101	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (23W)	50	50		134	134		938	0.14	0.25	1,304	-	-	18.76	0.003	0.005	26	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	26	26		26	26		15,346	1.46	1.36	11,867	-	-	590.23	0.056	0.052	456	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	9	9		8	8		3,145	0.49	0.46	3,968	-	-	349.50	0.054	0.051	441	-	-

Costs for Measures Without Energy Impacts Installed in 125 Total Households with Spending and/or Energy Impacts:

Total		**358,188**	**2865.50**
Unspecified Insul.	81	17,384	214.62
Duct Sealing	74	9,490	128.24
Duct Insulation	10	472	47.16
Damming Material	50	2,212	44.23
Htg. Sys. Tune & Clean	66	5,436	82.36
Htg. Sys./WH Other	34	8,924	262.47
Air Conditioning Work	30	933	31.11
Water Heater Repair	8	364	45.47
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	81	3,584	44.24
Smoke Detector	16	500	31.27
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	1	118	117.80
Water Heater Ventilation	14	3,847	274.76
Bathroom Ventilation	29	3,633	125.28
Other Exhaust Ventilation	60	5,370	89.50
Health/Safety Repairs	0	0	0.00
Health/Safety Other	36	4,958	137.71
Consumables	34	1,412	41.53
General Repairs	115	55,085	479.00
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	122	207,871	1703.86
Transportation Allowance	34	3,295	96.91
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	77	22,122	287.30
Unspecifed	22	1,180	53.63
Total Reported Materials, Labor, and Support Costs:		**918,285**	**7,346.28**
Grand Total of Expenditures:		**918,285**	

Red Rock Area Community Action
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**53**	**39**	**48**	**38**	**30**	**177,528**	**5.5**		**2.6**		**14,695**	**122**	**11,715**	**3349.59**	**0.145**		**0.086**		**377**	**2.548**	**244**
Shell & Htg. Sys.	53	33	48	32	51	157,152	4.8	5,759	1.6	2,490	8,248	118	11,008	2965.12	0.149	180	0.031	49	250	2.461	229
Wall Insul.	26	19	24	18	2	36,869	1.86	2,247	0.99	1,549	3,796	25	2,310	1418.03	0.104	125	0.496	775	200	1.033	96
Open Blown Ceiling Insul.	38	25	34	24	3	30,798	1.81	2,187	0.49	757	2,945	17	1,577	810.48	0.076	91	0.162	252	118	0.498	46
Cavity Fill Insul.	4	1	4	1	0	2,862	0.11	131	0.00	0	131	10	960	715.50	0.108	131	-	-	131	2.575	240
Sloped Attic Insul.	9	7	8	7	0	3,110	0.39	474	0.00	0	474	5	473	345.54	0.056	68	-	-	68	0.635	59
Kneewall Insul.	12	9	11	9	0	2,165	0.20	245	0.00	0	245	3	296	180.41	0.023	27	-	-	27	0.289	27
Infil. Reduction	51	31	45	30	3	14,400	0.35	417	0.20	317	734	12	1,164	282.35	0.012	14	0.068	106	24	0.278	26
Found./Crawl. Insul.	17	1	17	1	0	7,371	0.05	56	0.00	0	56	3	305	433.58	0.046	56	-	-	56	0.192	18
Bandjoist Insul.	17	0	17	-	0	1,254	0.00	0	0.00	0	0	1	83	73.74	-	-	-	-	-	0.052	5
Exhaust Ventilation	1	1	0	-	1	800	0.00	0	-0.09	(133)	(133)	0	0	800.00	-	-	-0.085	(133)	(133)	-	-
Condensing Htg Sys Repl	26	0	26	-	-	57,523	0.00	0	0.00	0	0	41	3,839	2212.42	-	-	-	-	-	1.584	148
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	21	1	20	25	1	24	14,952	0.0	0.0	37	4.2	706	712.00	0.000	0.000	37	0.210	35
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	4	1	3	4	1	3	12	0.00	0.00	37	0.0	12	3.00	0.000	0.000	37	0.011	4
LF Showerhead	3	0	3	3	0	3	30	0.00	0.00	0	0.1	29	10.00	-	-	-	0.031	10
Faucet Aerator	2	0	2	3	0	3	9	0.00	0.00	0	0.0	6	4.50	-	-	-	0.009	3
Std-Eff Wtr Htr Repl.	2	0	2	2	0	2	1,740	0.00	0.00	0	0.4	65	870.00	-	-	-	0.200	33
Hi-Eff Wtr Htr Repl.	14	0	14	13	0	13	13,161	0.00	0.00	0	3.6	595	940.07	-	-	-	0.261	43
Lighting	26	26		131	131		968	0.3	0.6	3,152	-	-	37.23	0.013	0.024	121	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	2	2		2	2		30	0.00	0.01	29	-	-	15.00	0.002	0.003	15	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	21	21		91	91		672	0.22	0.40	2,068	-	-	32.00	0.010	0.019	98	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	17	17		38	38		266	0.11	0.20	1,055	-	-	15.65	0.007	0.012	62	-	-
CFL (23W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	5	5		5	5		3,395	0.28	0.26	2,284	-	-	678.99	0.056	0.053	457	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	2	2		2	2		1,062	0.12	0.11	973	-	-	530.99	0.060	0.056	487	-	-

Costs for Measures Without Energy Impacts Installed in 53 Total Households with Spending and/or Energy Impacts:

Total		**39,502**	**745.32**
Unspecified Insul.	5	795	159.00
Duct Sealing	2	110	55.00
Duct Insulation	3	160	53.33
Damming Material	4	275	68.75
Htg. Sys. Tune & Clean	2	180	90.00
Htg. Sys./WH Other	1	475	475.00
Air Conditioning Work	0	0	0.00
Water Heater Repair	0	0	0.00
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	5	86	17.25
Smoke Detector	4	119	29.68
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	1	150	150.00
Water Heater Ventilation	4	505	126.25
Bathroom Ventilation	1	70	70.00
Other Exhaust Ventilation	1	80	80.00
Health/Safety Repairs	0	0	0.00
Health/Safety Other	1	100	100.00
Consumables	0	0	0.00
General Repairs	46	10,828	235.39
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	48	25,569	532.69
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**217,030**	**4,094.91**
Grand Total of Expenditures:		**217,030**	

South Central Iowa Community Action Program
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Winter kW	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Winter kW	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**73**	**73**	**37**	**73**	**69**	**258,867**	**16.6**	**15.9**	**65,230**	**131**	**11,726**	**3546.12**	**0.227**	**0.230**	**894**	**3.538**	**317**
Shell & Htg. Sys.	69	62	37	61	60	225,844	13.3	16,036	10.6	15,637	31,673	129	11,356	3273.11	0.218	263	0.177	261	511	3.487	307
Wall Insul.	42	37	26	36	5	40,366	4.82	5,810	2.54	3,746	9,556	35	3,089	961.08	0.134	161	0.508	749	258	1.350	119
Open Blown Ceiling Insul.	57	52	30	51	10	40,269	5.22	6,297	2.86	4,219	10,516	14	1,236	706.47	0.102	123	0.286	422	202	0.468	41
Cavity Fill Insul.	17	11	11	11	1	6,411	0.68	821	0.17	254	1,075	6	545	377.10	0.062	75	0.172	254	98	0.563	50
Sloped Attic Insul.	17	14	11	14	3	6,913	0.92	1,110	2.14	3,159	4,269	7	659	406.66	0.066	79	0.714	1,053	305	0.681	60
Kneewall Insul.	20	18	9	17	4	1,893	0.17	209	0.15	220	429	1	105	94.66	0.010	12	0.037	55	24	0.132	12
Infil. Reduction	67	61	37	60	11	28,082	0.84	1,013	0.83	1,229	2,242	9	762	419.13	0.014	17	0.076	112	37	0.234	21
Found./Crawl. Insul.	32	12	17	11	4	15,256	0.64	775	1.71	2,524	3,299	4	345	476.74	0.058	70	0.428	631	275	0.231	20
Bandjoist Insul.	36	4	24	-	4	3,365	0.00	0	0.13	190	190	2	134	93.46	-	-	0.032	48	48	0.063	6
Exhaust Ventilation	2	2	0	-	2	1,340	0.00	0	-0.18	(267)	(267)	0	0	670.00	-	-	-0.091	(133)	(133)	-	-
Condensing Htg Sys Repl	38	0	28	-	-	74,008	0.00	0	0.00	0	0	51	4,481	1947.57	-	-	-	-	-	1.818	160
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	4	4	0	-	4	7,943	0.00	0	0.25	365	365	0	0	1985.69	-	-	0.062	91	91	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	43	22	15	126	62	43	17,674	0.0	0.1	3,725	1.9	370	411.01	0.000	0.004	169	0.125	25
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	23	10	9	23	10	9	113	0.00	0.00	379	0.1	40	4.90	0.000	0.000	38	0.013	4
LF Showerhead	18	10	4	19	11	4	253	0.00	0.04	1,554	0.1	43	14.08	0.000	0.004	155	0.035	11
Faucet Aerator	39	19	14	70	34	24	206	0.00	0.02	992	0.2	50	5.29	0.000	0.001	52	0.012	4
Std-Eff Wtr Htr Repl.	3	0	2	3	0	2	6,180	0.00	0.00	0	0.4	63	2060.00	-	-	-	0.194	32
Hi-Eff Wtr Htr Repl.	11	7	4	11	7	4	10,921	0.00	0.02	800	1.1	174	992.82	0.000	0.003	114	0.266	43
Lighting	66	66		986	986		1,922	2.3	4.3	22,372	-	-	29.12	0.036	0.066	339	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	4	4		8	8		95	0.01	0.02	117	-	-	23.73	0.003	0.006	29	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	65	65		964	964		1,792	2.30	4.24	21,866	-	-	27.57	0.035	0.065	336	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	2	2		14	14		35	0.04	0.08	389	-	-	17.50	0.020	0.038	195	-	-
CFL (23W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
-																		
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	17	17		16	16		13,427	0.92	0.86	7,459	-	-	789.82	0.054	0.050	439	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 73 Total Households with Spending and/or Energy Impacts:

Total		**68,396**	**936.93**
Unspecified Insul.	36	7,579	210.52
Duct Sealing	3	1,061	353.50
Duct Insulation	2	58	28.98
Damming Material	6	109	18.11
Htg. Sys. Tune & Clean	17	1,396	82.12
Htg. Sys./WH Other	28	4,575	163.39
Air Conditioning Work	0	0	0.00
Water Heater Repair	5	733	146.60
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	24	518	21.59
Smoke Detector	19	441	23.18
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	16	1,936	121.00
Water Heater Ventilation	3	522	174.00
Bathroom Ventilation	11	1,096	99.61
Other Exhaust Ventilation	19	1,281	67.42
Health/Safety Repairs	0	0	0.00
Health/Safety Other	8	704	87.99
Consumables	0	0	0.00
General Repairs	69	24,729	358.39
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	38	12,576	330.93
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	21	8,842	421.03
Unspecifed	6	243	40.57
Total Reported Materials, Labor, and Support Costs:		**327,263**	**4,483.06**
Grand Total of Expenditures:		**327,263**	

Community Action of South Eastern Iowa
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**182**	**160**	**166**	**160**	**83**	**951,573**	**49.9**		**3.1**		**77,012**	**653**	**56,881**	**5228.43**	**0.312**		**0.038**		**481**	**3.934**	**343**
Shell & Htg. Sys.	181	156	164	156	171	859,349	47.7	57,525	0.0	0	57,525	631	53,109	4747.78	0.306	369	0.000	0	369	3.846	324
Wall Insul.	146	130	135	130	0	200,382	20.26	24,432	0.00	0	24,432	219	18,426	1372.48	0.156	188	-	-	188	1.621	136
Open Blown Ceiling Insul.	169	147	153	147	0	175,397	18.70	22,549	0.00	0	22,549	128	10,780	1037.85	0.127	153	-	-	153	0.837	70
Cavity Fill Insul.	1	0	1	0	0	654	0.00	0	0.00	0	0	1	81	653.92	-	-	-	-	-	0.962	81
Sloped Attic Insul.	56	53	49	53	0	2,588	3.19	3,844	0.00	0	3,844	25	2,135	46.21	0.060	73	-	-	73	0.518	44
Kneewall Insul.	37	35	33	35	0	1,509	0.89	1,073	0.00	0	1,073	8	639	40.78	0.025	31	-	-	31	0.230	19
Infil. Reduction	156	147	139	147	0	146,880	2.01	2,420	0.00	0	2,420	33	2,795	941.54	0.014	16	-	-	16	0.239	20
Found./Crawl. Insul.	84	38	76	38	0	53,299	2.66	3,207	0.00	0	3,207	15	1,270	634.51	0.070	84	-	-	84	0.199	17
Bandjoist Insul.	100	0	97	-	0	11,375	0.00	0	0.00	0	0	10	883	113.75	-	-	-	-	-	0.108	9
Exhaust Ventilation	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Condensing Htg Sys Repl	123	0	117	-	-	265,682	0.00	0	0.00	0	0	191	16,053	2160.02	-	-	-	-	-	1.630	137
Non-Cond Htg Sys Repl	1	0	1	-	-	1,584	0.00	0	0.00	0	0	1	45	1584.00	-	-	-	-	-	0.540	45
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW		Annual kWh	Pk-Day therms	Annual therms		Summer kW		Winter kW		Annual kWh	Pk-Day therms	Annual therms
Water Heating	127	5	121	166	5	160	82,281	0.0	0.0		191	22.2	3,772	647.88	0.000		0.000		38	0.184	31
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Pipe Insul.	84	5	78	84	5	78	141	0.00	0.00		191	0.8	275	1.68	0.000		0.000		38	0.010	4
LF Showerhead	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Std-Eff Wtr Htr Repl.	7	0	7	7	0	7	6,224	0.00	0.00		0	1.3	214	889.16	-		-		-	0.187	31
Hi-Eff Wtr Htr Repl.	76	0	76	75	0	75	75,916	0.00	0.00		0	20.1	3,284	998.90	-		-		-	0.265	43
Lighting	75	75		553	553		691	1.2	2.2		11,439	-	-	9.22	0.016		0.030		153	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (11W)	19	19		79	79		215	0.12	0.22		1,158	-	-	11.33	0.006		0.012		61	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (15W)	68	68		433	433		410	1.03	1.91		9,847	-	-	6.03	0.015		0.028		145	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (20W)	1	1		2	2		4	0.01	0.01		56	-	-	3.82	0.006		0.011		56	-	-
CFL (23W)	15	15		38	38		60	0.04	0.07		370	-	-	4.03	0.003		0.005		25	-	-
CFL (25W)	1	1		1	1		2	0.00	0.00		10	-	-	1.59	0.001		0.002		10	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Exchange	14	14		14	14		8,450	0.79	0.74		6,396	-	-	603.60	0.056		0.053		457	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Exchange	3	3		3	3		802	0.18	0.17		1,460	-	-	267.18	0.060		0.056		487	-	-

Costs for Measures Without Energy Impacts Installed in 182 Total Households with Spending and/or Energy Impacts:

Total		**309,872**	**1702.59**
Unspecified Insul.	23	833	36.20
Duct Sealing	0	0	0.00
Duct Insulation	10	520	51.99
Damming Material	59	1,182	20.03
Htg. Sys. Tune & Clean	52	4,307	82.82
Htg. Sys./WH Other	39	16,512	423.40
Air Conditioning Work	0	0	0.00
Water Heater Repair	11	1,808	164.37
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	36	752	20.88
Smoke Detector	14	107	7.63
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	2	300	150.00
Water Heater Ventilation	1	73	73.00
Bathroom Ventilation	17	448	26.35
Other Exhaust Ventilation	80	1,645	20.56
Health/Safety Repairs	0	0	0.00
Health/Safety Other	28	4,434	158.35
Consumables	100	2,044	20.44
General Repairs	110	52,402	476.38
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	113	211,861	1874.87
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	58	10,646	183.55
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**1,261,445**	**6,931.02**
Grand Total of Expenditures:		**1,261,445**	

Southern Iowa Economic Development Authority
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**104**	**97**	**70**	**96**	**91**	**449,207**	**19.6**		**16.1**		**71,496**	**209**	**19,379**	**4319.29**	**0.205**		**0.177**		**737**	**2.982**	**277**
Shell & Htg. Sys.	99	87	66	85	97	369,681	16.6	20,021	11.2	16,462	36,483	199	17,516	3734.15	0.195	236	0.115	170	419	3.016	265
Wall Insul.	54	49	42	49	4	67,981	6.60	7,955	1.49	2,204	10,159	57	5,034	1258.90	0.135	162	0.374	551	207	1.362	120
Open Blown Ceiling Insul.	66	62	43	61	10	41,438	5.46	6,587	2.39	3,518	10,105	15	1,314	627.85	0.090	108	0.239	352	163	0.347	31
Cavity Fill Insul.	16	8	13	8	1	9,406	0.53	639	0.30	439	1,078	17	1,460	587.85	0.066	80	0.298	439	135	1.276	112
Sloped Attic Insul.	27	21	19	20	5	8,696	1.34	1,612	2.55	3,756	5,368	15	1,279	322.09	0.067	81	0.509	751	256	0.765	67
Kneewall Insul.	19	15	14	15	2	5,916	0.76	915	0.81	1,198	2,113	7	623	311.37	0.051	61	0.406	599	141	0.506	45
Infil. Reduction	81	71	51	69	13	34,620	0.92	1,106	2.66	3,921	5,027	14	1,260	427.41	0.013	16	0.205	302	71	0.281	25
Found./Crawl. Insul.	35	18	25	17	3	10,578	1.00	1,207	0.57	834	2,041	6	499	302.23	0.059	71	0.189	278	113	0.227	20
Bandjoist Insul.	49	4	39	-	4	6,808	0.00	0	0.24	349	349	4	380	138.93	-	-	0.059	87	87	0.111	10
Exhaust Ventilation	24	2	17	-	2	11,315	0.00	0	-0.18	(267)	(267)	(1)	(114)	471.46	-	-	-0.091	(133)	(133)	-0.076	-7
Condensing Htg Sys Repl	51	0	44	-	-	146,150	0.00	0	0.00	0	0	65	5,713	2865.69	-	-	-	-	-	1.475	130
Non-Cond Htg Sys Repl	6	0	1	-	-	13,709	0.00	0	0.00	0	0	1	68	2284.79	-	-	-	-	-	0.769	68
Electric Htg Sys Repl	6	6	0	-	6	13,064	0.00	0	0.34	508	508	0	0	2177.32	-	-	0.057	85	85	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	88	33	45	334	118	171	60,256	0.0	0.1	7,301	9.7	1,863	684.73	0.000	0.004	221	0.216	41
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	78	29	39	78	29	39	389	0.00	0.00	1,103	0.4	152	4.99	0.000	0.000	38	0.011	4
LF Showerhead	67	27	31	68	27	32	641	0.00	0.10	4,185	0.9	292	9.57	0.000	0.004	155	0.031	9
Faucet Aerator	72	28	34	140	53	67	337	0.00	0.04	1,547	0.4	124	4.68	0.000	0.001	55	0.012	4
Std-Eff Wtr Htr Repl.	17	6	10	20	6	13	19,248	0.00	0.00	157	2.2	355	1132.25	0.000	0.001	26	0.217	35
Hi-Eff Wtr Htr Repl.	29	3	21	28	3	20	39,641	0.00	0.01	309	5.8	941	1366.91	0.000	0.003	103	0.275	45
Lighting	80	80		1,205	1,205		5,601	2.2	4.1	20,944	-	-	70.01	0.027	0.051	262	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	79	79		715	715		3,251	1.70	3.14	16,193	-	-	41.16	0.022	0.040	205	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (23W)	61	61		490	490		2,349	0.50	0.92	4,752	-	-	38.51	0.008	0.015	78	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	14	14		13	13		12,469	0.74	0.69	6,039	-	-	890.64	0.053	0.050	431	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	2	2		1	1		1,200	0.09	0.08	729	-	-	600.00	0.045	0.042	364	-	-

Costs for Measures Without Energy Impacts Installed in 105 Total Households with Spending and/or Energy Impacts:

Total		**209,136**	**1991.77**
Unspecified Insul.	73	30,107	412.42
Duct Sealing	8	658	82.19
Duct Insulation	35	1,672	47.77
Damming Material	32	1,349	42.16
Htg. Sys. Tune & Clean	22	5,163	234.66
Htg. Sys./WH Other	49	18,318	373.84
Air Conditioning Work	1	175	175.00
Water Heater Repair	11	1,907	173.39
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	25	968	38.74
Smoke Detector	18	390	21.66
Fuses	3	680	226.67
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	28	3,850	137.50
Water Heater Ventilation	24	4,651	193.79
Bathroom Ventilation	33	2,606	78.97
Other Exhaust Ventilation	47	4,664	99.24
Health/Safety Repairs	0	0	0.00
Health/Safety Other	23	9,664	420.16
Consumables	0	0	0.00
General Repairs	82	52,656	642.15
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	26	59,895	2303.66
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	45	9,513	211.39
Unspecifed	2	250	125.00
Total Reported Materials, Labor, and Support Costs:		**658,343**	**6,269.93**
Grand Total of Expenditures:		**658,343**	

Upper Des Moines Opportunity
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**172**	**149**	**131**	**149**	**144**	**1,006,931**	**29.8**		**20.1**		**97,767**	**340**	**34,097**	**5854.25**	**0.200**		**0.139**		**656**	**2.597**	**260**
Shell & Htg. Sys.	170	129	131	128	166	902,401	24.8	29,947	12.6	20,473	50,420	328	31,923	5308.24	0.194	234	0.076	123	391	2.503	244
Wall Insul.	132	100	105	100	4	247,125	10.50	12,667	2.25	3,667	16,334	99	9,660	1872.16	0.105	127	0.562	917	163	0.945	92
Open Blown Ceiling Insul.	152	116	122	116	9	94,148	6.36	7,671	6.02	9,827	17,498	38	3,738	619.40	0.055	66	0.669	1,092	151	0.315	31
Cavity Fill Insul.	99	70	74	70	2	94,234	3.40	4,106	1.63	2,662	6,768	37	3,564	951.86	0.049	59	0.816	1,331	97	0.495	48
Sloped Attic Insul.	66	45	51	45	1	34,945	1.84	2,223	0.59	961	3,184	22	2,166	529.47	0.041	49	0.589	961	71	0.436	42
Kneewall Insul.	32	22	24	22	2	10,139	0.47	563	0.60	971	1,534	6	564	316.83	0.021	26	0.298	486	70	0.242	24
Infil. Reduction	163	124	128	124	10	50,277	1.48	1,788	0.75	1,226	3,014	15	1,430	308.44	0.012	14	0.075	123	24	0.115	11
Found./Crawl. Insul.	52	20	39	17	5	20,259	0.77	927	0.54	887	1,814	3	340	389.60	0.045	55	0.109	177	91	0.090	9
Bandjoist Insul.	92	4	72	-	4	8,715	0.00	0	0.27	433	433	4	372	94.72	-	-	0.066	108	108	0.053	5
Exhaust Ventilation	50	4	36	-	4	36,557	0.00	0	-0.33	(534)	(534)	(2)	(210)	731.14	-	-	-0.082	(133)	(133)	-0.060	-6
Condensing Htg Sys Repl	100	0	86	-	-	278,808	0.00	0	0.00	0	0	106	10,299	2788.08	-	-	-	-	-	1.230	120
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	4	4	0	-	4	27,194	0.00	0	0.23	374	374	0	0	6798.50	-	-	0.057	93	93	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
	Total	**Electric**	**Gas**	**Number of Measures by Fuel Type Total**	**Electric**	**Gas**		**Summer kW**	**Winter kW**		**Annual kWh**	**Pk-Day therms**	**Annual therms**		**Summer kW**		**Winter kW**		**Annual kWh**	**Pk-Day therms**	**Annual therms**
Water Heating	159	50	99	229	63	151	67,536	0.0	0.0		2,419	12.3	2,174	424.76	0.000		0.000		48	0.124	22
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Pipe Insul.	158	50	99	158	50	99	939	0.00	0.00		1,902	0.9	326	5.94	0.000		0.000		38	0.009	3
LF Showerhead	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Faucet Aerator	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Std-Eff Wtr Htr Repl.	27	11	14	27	11	14	18,442	0.00	0.01		288	1.7	281	683.04	0.000		0.001		26	0.123	20
Hi-Eff Wtr Htr Repl.	45	2	39	44	2	38	48,155	0.00	0.01		229	9.6	1,567	1070.12	0.000		0.003		115	0.246	40
Lighting	141	141		1,648	1,648		11,762	3.1	5.7		29,376	-	-	83.42	0.022		0.040		208	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (11W)	115	115		1,057	1,057		7,625	1.62	3.00		15,470	-	-	66.30	0.014		0.026		135	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (15W)	41	41		422	422		2,954	1.00	1.85		9,533	-	-	72.05	0.024		0.045		233	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (20W)	14	14		151	151		1,057	0.44	0.81		4,197	-	-	75.50	0.031		0.058		300	-	-
CFL (23W)	2	2		12	12		84	0.01	0.02		117	-	-	42.00	0.006		0.011		58	-	-
CFL (25W)	1	1		6	6		42	0.01	0.01		58	-	-	42.00	0.006		0.011		58	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Exchange	31	31		31	31		23,838	1.73	1.62		14,093	-	-	768.98	0.056		0.052		455	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Exchange	3	3		3	3		1,393	0.18	0.17		1,460	-	-	464.48	0.060		0.056		487	-	-

Costs for Measures Without Energy Impacts Installed in 172 Total Households with Spending and/or Energy Impacts:

Total		**258,460**	**1502.67**
Unspecified Insul.	110	32,241	293.10
Duct Sealing	1	30	30.00
Duct Insulation	5	137	27.40
Damming Material	45	1,189	26.42
Htg. Sys. Tune & Clean	62	11,832	190.84
Htg. Sys./WH Other	47	26,299	559.54
Air Conditioning Work	1	300	300.00
Water Heater Repair	5	531	106.11
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	102	6,851	67.16
Smoke Detector	106	5,826	54.96
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	29	3,921	135.21
Water Heater Ventilation	62	12,235	197.34
Bathroom Ventilation	5	749	149.80
Other Exhaust Ventilation	42	4,644	110.56
Health/Safety Repairs	0	0	0.00
Health/Safety Other	19	1,870	98.42
Consumables	0	0	0.00
General Repairs	124	32,268	260.23
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	89	85,111	956.30
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	84	32,427	386.03
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**1,265,390**	**7,356.92**
Grand Total of Expenditures:		**1,265,390**	

West Central Development Corporation
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts: Total	Electric	Gas	Count of Households with Electricity Impacts by Season: Cooling	Heating	Estimated First-Year Savings: Spending on Materials & Labor ($)	Electricity: Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas: Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household: Spending on Materials & Labor ($)	Electricity: Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas: Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**148**	**141**	**119**	**141**	**129**	**638,669**	**39.8**		**10.1**		**85,759**	**207**	**18,671**	**4315.33**	**0.282**		**0.078**		**608**	**1.737**	**157**
Shell & Htg. Sys.	143	128	116	128	133	568,406	36.5	43,993	5.0	7,289	51,282	200	17,218	3974.87	0.285	344	0.038	55	401	1.722	148
Wall Insul.	99	91	82	91	2	93,598	14.78	17,828	1.93	2,785	20,613	47	4,049	945.44	0.162	196	0.964	1,392	227	0.573	49
Open Blown Ceiling Insul.	124	115	102	115	4	72,354	12.49	15,069	1.31	1,888	16,957	26	2,221	583.50	0.109	131	0.327	472	147	0.253	22
Cavity Fill Insul.	21	18	14	18	0	10,127	0.95	1,143	0.00	0	1,143	4	371	482.26	0.053	64	-	-	64	0.308	27
Sloped Attic Insul.	67	60	53	60	2	29,527	4.40	5,305	0.78	1,133	6,439	18	1,578	440.70	0.073	88	0.392	567	107	0.346	30
Kneewall Insul.	46	38	35	38	2	6,314	0.73	881	0.17	249	1,129	3	256	137.25	0.019	23	0.086	124	30	0.085	7
Infil. Reduction	142	101	116	101	4	64,657	1.98	2,393	0.41	597	2,990	14	1,191	455.33	0.020	24	0.103	149	30	0.119	10
Found./Crawl. Insul.	86	19	74	17	3	26,501	1.14	1,374	0.34	490	1,864	7	577	308.16	0.067	81	0.113	163	98	0.091	8
Bandjoist Insul.	60	2	49	-	2	3,872	0.00	0	0.10	138	138	2	135	64.54	-	-	0.048	69	69	0.032	3
Exhaust Ventilation	33	1	26	-	1	17,795	0.00	0	-0.09	(133)	(133)	(2)	(142)	539.23	-	-	-0.092	(133)	(133)	-0.063	-5
Condensing Htg Sys Repl	75	0	65	-	-	235,409	0.00	0	0.00	0	0	81	6,980	3138.79	-	-	-	-	-	1.246	107
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	2	2	0	-	2	8,250	0.00	0	0.10	141	141	0	0	4125.00	-	-	0.049	71	71	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
	Total	**Electric**	**Gas**	**Number of Measures by Fuel Type: Total**	**Electric**	**Gas**		**Summer kW**	**Winter kW**		**Annual kWh**	**Pk-Day therms**	**Annual therms**		**Summer kW**		**Winter kW**		**Annual kWh**	**Pk-Day therms**	**Annual therms**
Water Heating	130	33	95	359	89	263	43,177	0.0	0.1		4,685	6.9	1,453	332.13	0.000		0.003		142	0.072	15
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00		0	0.0	0	0.00	-		-		-	-	-
Pipe Insul.	84	25	57	84	25	57	465	0.00	0.00		955	0.5	175	5.54	0.000		0.000		38	0.009	3
LF Showerhead	57	15	42	62	16	46	620	0.00	0.05		2,335	1.0	312	10.88	0.000		0.004		156	0.024	7
Faucet Aerator	113	28	83	181	45	133	543	0.00	0.03		1,316	0.6	194	4.81	0.000		0.001		47	0.008	2
Std-Eff Wtr Htr Repl.	18	3	15	18	3	15	21,483	0.00	0.00		79	2.0	334	1193.48	0.000		0.001		26	0.137	22
Hi-Eff Wtr Htr Repl.	14	0	12	14	0	12	20,066	0.00	0.00		0	2.7	438	1433.29	-		-		-	0.224	36
Lighting	127	127		1,353	1,353		9,727	2.0	3.8		19,404	-	-	76.59	0.016		0.030		153	-	-
CFL (5W)	66	66		450	450		3,150	0.36	0.66		3,410	-	-	47.73	0.005		0.010		52	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (11W)	96	96		581	581		4,323	0.89	1.65		8,505	-	-	45.03	0.009		0.017		89	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (15W)	37	37		244	244		1,708	0.58	1.08		5,544	-	-	46.16	0.016		0.029		150	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (20W)	31	31		66	66		462	0.19	0.35		1,828	-	-	14.90	0.006		0.011		59	-	-
CFL (23W)	9	9		12	12		84	0.01	0.02		117	-	-	9.33	0.001		0.003		13	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Refrigerator Exchange	20	20		20	20		15,559	1.13	1.05		9,165	-	-	777.94	0.056		0.053		458	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00		0	-	-	0.00	-		-		-	-	-
Freezer Exchange	3	3		3	3		1,800	0.15	0.14		1,224	-	-	600.00	0.050		0.047		408	-	-

Costs for Measures Without Energy Impacts Installed in 149 Total Households with Spending and/or Energy Impacts:

Total		**242,183**	**1625.39**
Unspecified Insul.	82	17,363	211.74
Duct Sealing	3	327	109.07
Duct Insulation	56	1,711	30.55
Damming Material	61	2,093	34.30
Htg. Sys. Tune & Clean	44	4,087	92.89
Htg. Sys./WH Other	74	38,974	526.68
Air Conditioning Work	4	225	56.25
Water Heater Repair	6	1,000	166.67
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	33	1,323	40.08
Smoke Detector	17	1,155	67.92
Fuses	3	94	31.30
Htg Sys Safety Check	36	4,894	135.94
Htg Sys Ventilation	37	5,709	154.31
Water Heater Ventilation	55	8,752	159.13
Bathroom Ventilation	51	4,530	88.81
Other Exhaust Ventilation	71	5,125	72.19
Health/Safety Repairs	0	0	0.00
Health/Safety Other	30	2,549	84.98
Consumables	0	0	0.00
General Repairs	145	58,708	404.88
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	86	57,924	673.54
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	76	22,558	296.82
Unspecifed	88	3,082	35.03
Total Reported Materials, Labor, and Support Costs:		**880,852**	**5,911.76**
Grand Total of Expenditures:		**880,852**	

Community Action Agency of Siouxland
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	Summer kWh	Winter kW	Winter kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**131**	**128**	**114**	**128**	**122**	**542,489**	**27.3**		**16.6**		**90,090**	**306**	**28,823**	**4141.14**	**0.213**		**0.136**		**704**	**2.681**	**253**
Shell & Htg. Sys.	129	116	113	116	126	487,405	22.1	26,641	9.3	14,189	40,830	299	27,287	3778.33	0.190	230	0.074	113	352	2.647	241
Wall Insul.	63	56	59	56	3	73,451	7.13	8,599	0.72	1,108	9,707	59	5,370	1165.89	0.127	154	0.242	369	173	0.998	91
Open Blown Ceiling Insul.	122	110	107	110	11	101,937	11.11	13,399	5.09	7,780	21,179	70	6,400	835.55	0.101	122	0.463	707	193	0.656	60
Cavity Fill Insul.	13	10	13	10	0	6,820	0.58	698	0.00	0	698	10	934	524.62	0.058	70	-	-	70	0.787	72
Sloped Attic Insul.	32	28	28	28	3	8,534	1.53	1,840	1.04	1,584	3,425	14	1,268	266.69	0.054	66	0.345	528	122	0.496	45
Kneewall Insul.	18	16	18	16	0	7,423	0.59	717	0.00	0	717	6	552	412.39	0.037	45	-	-	45	0.336	31
Infil. Reduction	71	64	63	64	7	28,862	0.93	1,119	0.90	1,381	2,500	13	1,187	406.51	0.014	17	0.129	197	39	0.207	19
Found./Crawl. Insul.	22	6	17	4	4	16,484	0.22	268	1.45	2,219	2,487	4	354	749.27	0.056	67	0.363	555	414	0.229	21
Bandjoist Insul.	38	4	34	-	4	3,011	0.00	0	0.16	244	244	4	357	79.24	-	-	0.040	61	61	0.115	10
Exhaust Ventilation	38	3	34	-	3	21,413	0.00	0	-0.26	(400)	(400)	(2)	(225)	563.50	-	-	-0.087	(133)	(133)	-0.072	-7
Condensing Htg Sys Repl	78	0	77	-	-	202,919	0.00	0	0.00	0	0	122	11,090	2601.53	-	-	-	-	-	1.579	144
Non-Cond Htg Sys Repl	0	0	0	-	-	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Electric Htg Sys Repl	1	1	0	-	1	4,482	0.00	0	0.06	86	86	0	0	4482.00	-	-	0.056	86	86	-	-
Heat Pump Repl	2	2	0	-	2	12,069	0.00	0	0.12	188	188	0	0	6034.50	-	-	0.061	94	94	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	121	21	98	0	0	0	19,872	0.0	0.1	3,451	6.5	1,537	164.23	0.000	0.003	164	0.067	16
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	111	21	88	0	0	0	654	0.00	0.00	792	0.9	328	5.89	0.000	0.000	38	0.011	4
LF Showerhead	67	13	52	0	0	0	695	0.00	0.05	1,998	1.5	465	10.37	0.000	0.003	154	0.029	9
Faucet Aerator	68	12	55	0	0	0	353	0.00	0.01	635	0.5	165	5.19	0.000	0.001	53	0.010	3
Std-Eff Wtr Htr Repl.	7	1	5	0	0	0	7,720	0.00	0.00	26	0.9	139	1102.86	0.000	0.001	26	0.171	28
Hi-Eff Wtr Htr Repl.	10	0	10	0	0	0	10,450	0.00	0.00	0	2.7	439	1045.00	-	-	-	0.269	44
Lighting	111	111		0	0		9,065	2.6	4.8	24,565	-	-	81.67	0.023	0.043	221	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	26	26		0	0		569	0.06	0.11	577	-	-	21.88	0.002	0.004	22	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	55	55		0	0		1,876	0.64	1.18	6,077	-	-	34.11	0.012	0.021	110	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	60	60		0	0		3,364	1.40	2.60	13,378	-	-	56.07	0.023	0.043	223	-	-
CFL (23W)	77	77		0	0		3,256	0.48	0.88	4,532	-	-	42.29	0.006	0.011	59	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	42	42		0	0		24,637	2.37	2.22	19,298	-	-	586.60	0.057	0.053	459	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	4	4		0	0		1,510	0.24	0.22	1,946	-	-	377.50	0.060	0.056	487	-	-

Costs for Measures Without Energy Impacts Installed in 131 Total Households with Spending and/or Energy Impacts:

Total		**136,041**	**1038.48**
Unspecified Insul.	59	12,872	218.17
Duct Sealing	26	1,901	73.12
Duct Insulation	0	0	0.00
Damming Material	10	440	44.00
Htg. Sys. Tune & Clean	24	5,737	239.04
Htg. Sys./WH Other	42	13,545	322.50
Air Conditioning Work	0	0	0.00
Water Heater Repair	18	1,199	66.61
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	0	0	0.00
Unspecified Utility Meas.	0	0	0.00
CO Detector	31	2,467	79.58
Smoke Detector	49	5,108	104.24
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	1	125	125.00
Water Heater Ventilation	33	9,119	276.33
Bathroom Ventilation	11	1,601	145.55
Other Exhaust Ventilation	36	4,138	114.94
Health/Safety Repairs	0	0	0.00
Health/Safety Other	21	3,261	155.29
Consumables	0	0	0.00
General Repairs	59	24,172	409.69
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	76	50,103	659.25
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	2	(225)	-112.50
Lead Safe Work	0	0	0.00
Unspecifed	3	478	159.33
Total Reported Materials, Labor, and Support Costs:		**678,530**	**5,179.62**
Grand Total of Expenditures:		**678,530**	

Polk County Development Services
Calendar Year 2012
Costs, Fuel, and Demand Impacts for Utility-Funded Measures

Measure	Number of Households with Impacts Total	Electric	Gas	Count of Households with Electricity Impacts by Season Cooling	Heating	Spending on Materials & Labor ($)	Estimated First-Year Savings Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms	Average Estimated First Year Measure Cost and Savings Average per Treated Household Spending on Materials & Labor ($)	Electricity Summer kW	kWh	Winter kW	kWh	Annual kWh	Gas Pk-Day therms	Annual therms
OVERALL (Energy Mea)	**212**	**206**	**208**	**206**	**196**	**855,042**	**45.0**		**15.0**		**127,470**	**474**	**44,007**	**4033.22**	**0.219**		**0.076**		**619**	**2.281**	**212**
Shell & Htg. Sys.	209	153	206	152	209	698,531	36.2	43,602	1.2	1,828	45,430	451	39,889	3342.25	0.238	287	0.006	9	297	2.190	194
Wall Insul.	132	106	132	106	0	159,841	14.91	17,981	0.00	0	17,981	115	10,135	1210.92	0.141	170	-	-	170	0.872	77
Open Blown Ceiling Insul.	167	136	167	136	0	148,975	16.37	19,740	0.00	0	19,740	127	11,237	892.06	0.120	145	-	-	145	0.761	67
Cavity Fill Insul.	1	1	1	1	0	300	0.02	26	0.00	0	26	0	16	300.00	0.022	26	-	-	26	0.182	16
Sloped Attic Insul.	31	22	31	22	0	11,812	1.26	1,525	0.00	0	1,525	13	1,134	381.02	0.057	69	-	-	69	0.415	37
Kneewall Insul.	50	39	50	39	0	17,633	1.09	1,319	0.00	0	1,319	9	801	352.66	0.028	34	-	-	34	0.180	16
Infil. Reduction	87	69	85	69	1	54,136	1.20	1,452	0.15	233	1,685	18	1,560	622.25	0.017	21	0.149	233	24	0.208	18
Found./Crawl. Insul.	103	24	100	22	2	102,159	1.29	1,558	1.04	1,595	3,153	30	2,738	991.84	0.059	71	0.520	797	131	0.303	27
Bandjoist Insul.	14	0	14	-	0	1,818	0.00	0	0.00	0	0	1	87	129.86	-	-	-	-	-	0.070	6
Exhaust Ventilation	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Condensing Htg Sys Repl	101	0	101	-	-	176,485	0.00	0	0.00	0	0	128	11,309	1747.38	-	-	-	-	-	1.270	112
Non-Cond Htg Sys Repl	14	0	13	-	-	25,372	0.00	0	0.00	0	0	10	871	1812.30	-	-	-	-	-	0.743	67
Electric Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Heat Pump Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-
Other Htg Sys Repl	0	0	0	-	0	0	0.00	0	0.00	0	0	0	0	0.00	-	-	-	-	-	-	-

	Total	Electric	Gas	Number of Measures by Fuel Type Total	Electric	Gas		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms		Summer kW	Winter kW	Annual kWh	Pk-Day therms	Annual therms
Water Heating	184	17	167	344	30	314	116,477	0.0	0.0	1,500	23.3	4,118	633.03	0.000	0.001	88	0.139	25
Temp. Reduct.	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
WH Wrap	0	0	0	0	0	0	0	0.00	0.00	0	0.0	0	0.00	-	-	-	-	-
Pipe Insul.	176	17	159	176	17	159	1,146	0.00	0.00	650	1.5	516	6.51	0.000	0.000	38	0.009	3
LF Showerhead	4	1	3	5	1	4	35	0.00	0.00	156	0.1	24	8.75	0.000	0.004	156	0.026	8
Faucet Aerator	29	4	25	57	8	49	186	0.00	0.01	235	0.2	76	6.41	0.000	0.001	59	0.010	3
Std-Eff Wtr Htr Repl.	27	0	27	27	0	27	28,908	0.00	0.00	0	4.0	657	1070.67	-	-	-	0.149	24
Hi-Eff Wtr Htr Repl.	80	4	76	79	4	75	86,202	0.00	0.01	459	17.4	2,845	1077.52	0.000	0.003	115	0.229	37
Lighting	193	193		2,051	2,051		14,469	6.0	11.1	56,988	-	-	74.97	0.031	0.057	295	-	-
CFL (5W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (7W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (9W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (11W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (14W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (15W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (18W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (20W)	193	193		2,051	2,051		14,469	5.98	11.06	56,988	-	-	74.97	0.031	0.057	295	-	-
CFL (23W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (25W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL (30W)	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
CFL, unknown	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Refrigerator Exchange	52	52		52	52		25,565	2.90	2.71	23,552	-	-	491.63	0.056	0.052	453	-	-
Freezer Removal	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-
Freezer Exchange	0	0		0	0		0	0.00	0.00	0	-	-	0.00	-	-	-	-	-

Costs for Measures Without Energy Impacts Installed in 212 Total Households with Spending and/or Energy Impacts:

Total		**315,561**	**1488.49**
Unspecified Insul.	61	27,597	452.42
Duct Sealing	16	2,915	182.19
Duct Insulation	9	1,252	139.11
Damming Material	48	4,454	92.78
Htg. Sys. Tune & Clean	48	9,050	188.54
Htg. Sys./WH Other	53	7,029	132.63
Air Conditioning Work	0	0	0.00
Water Heater Repair	2	155	77.50
Refrigerator Coil Clean	0	0	0.00
Waterbed Mattress Pad	0	0	0.00
Programmable Tstat	11	841	76.45
Unspecified Utility Meas.	0	0	0.00
CO Detector	81	3,280	40.49
Smoke Detector	54	1,380	25.56
Fuses	0	0	0.00
Htg Sys Safety Check	0	0	0.00
Htg Sys Ventilation	49	5,667	115.65
Water Heater Ventilation	40	3,720	93.01
Bathroom Ventilation	79	65,031	823.18
Other Exhaust Ventilation	75	9,393	125.24
Health/Safety Repairs	0	0	0.00
Health/Safety Other	38	9,417	247.82
Consumables	0	0	0.00
General Repairs	73	52,752	722.63
Meter Refrig (no action)	0	0	0.00
Meter Freezer (no action)	0	0	0.00
Support	146	111,626	764.56
Transportation Allowance	0	0	0.00
Landlord Contr Misc	0	0	0.00
Landlord Contr Furnace	0	0	0.00
Landlord Contr DHW	0	0	0.00
Client Contr (Any)	0	0	0.00
Lead Safe Work	0	0	0.00
Unspecifed	0	0	0.00
Total Reported Materials, Labor, and Support Costs:		**1,170,603**	**5,521.71**
Grand Total of Expenditures:		**1,170,603**	

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APPENDIX A -- CLIENT CHARACTERISTICS

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Household characteristics										
Quarterly gross income	$3,363	$3,649	$3,618	$3,727	$3,911	$4,002	$4,190	$4,130	$4,344	$4,355
Average members	2.6	2.8	2.8	2.8	2.9	2.8	2.8	2.9	2.9	2.8
Percentage of households with:										
Elderly	38.9	36.3	35.2	32.3	32.6	31.5	34.2	24.0	29.1	29.4
Handicapped	47.3	42.0	42.7	42.5	43.1	42.7	35.7	25.4	32.9	30.1
Young children	15.8	9.7	18.3	15.6	18.7	21.5	21.5	18.6	25.2	21.9
Housing type (%)										
Single family home	92.9	91.2	91.0	90.3	90.7	87.7	87.9	82.6	89.6	87.3
Mobile home	5.8	8.1	7.2	7.7	7.8	7.5	9.9	7.6	10.0	10.2
Duplex	0.4	0.7	0.9	2.1	0.6	0.1	0.3	0.3	0.1	0.7
Three+ unit apartment	0.9	0.2	0.8	0.0	0.4	1.3	1.0	6.8	0.3	1.8
Rent a room	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown/other	0.0	0.0	0.0	0.0	0.6	3.5	1.0	2.6	0.0	0.0
Heating system type (%)										
Natural gas	85.5	84.0	84.4	84.0	84.3	85.8	85.6	82.7	81.0	80.8
Propane	11.4	12.2	10.7	11.7	11.4	10.1	9.3	11.9	12.9	13.3
Fuel oil	1.4	1.9	1.4	1.0	0.6	0.7	0.3	0.8	0.8	0.8
Electricity	1.7	1.9	3.4	3.3	3.5	3.3	4.7	4.5	5.4	5.1
Other	0.0	0.2	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0
Air conditioning type (%)										
Central	44.1	48.4	47.8	49.8	56.3	52.5	55.3	54.1	58.7	57.3
Room	39.4	42.4	39.8	37.4	8.7	34.6	32.5	31.4	27.8	30.4
None or Missing Data	16.5	9.4	12.4	12.8	35.0	12.8	12.2	14.5	13.6	12.3
Blower door readings (average cfm50)										
Pre	3,642	3,733	3,723	3,856	3,639	3,608	3,374	3,281	3,294	3,454
Post	2,348	2,355	2,310	2,389	2,216	2,215	2,120	2,040	2,054	2,139