Maquoketa Valley
Electric Cooperative

EEP-2009-0002

December 29, 2015

FILED WITH
Executive Secretary

December 29, 2015

IOWA UTILITIES BOARD

Executive Secretary
Iowa Utilities Board
1735 E. Court Avenue
Des Moines IA 50319-0069

RE: Summary of 2013 and 2014 Energy Efficiency Programs

Dear Executive Secretary

Maquoketa Valley Electric Cooperative is submitting a summary of 2013-2014 Energy Efficiency Programs in accordance with the requirements of SF 2386 on energy efficiency.

Please contact me at 319-462-3542 if you have questions.

Sincerely

/s/ Patty Manuel
Director of Communications

Maquoketa Valley
Electric Cooperative

Executive Summary – Energy Efficiency Filing

The following pages summarize the energy efficiency programs we offered in 2012 and 2013. We are filing this in accordance with the requirements for non rate-regulated utilities as described in SF2386 on energy efficiency. Maquoketa Valley Electric Cooperative's five year (2010-2014) goals were filed on December 31, 2009 as part of the Iowa Association for Electric Cooperative's joint filing for several Iowa cooperatives.

Each of the attached summaries include the type of program, number of member participants as well as number of units per participant, the cooperative's investment in each program and the annual energy savings.

The following snapshot shows results of almost 40 programs offered each year.

	2013	2014
Number of Member Participants	6,813	5,863
Total Residential/Ag/Commercial Investment	$480,516	$550,696
Projected Investment	$681,324	$705,890
Total Residential/Ag/Commercial kWh Savings	5,537,641	5,942,429
Projected kWh Savings	4,594,291	$4,731,805
Member Savings as % of Projections	120%	125%
Cooperative's Cost as % of Projections	70%	78%%
Total kWh Savings as % of Sales	1.98%	2.087%

At this time we have no updates or amendments to our initial filing.

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		Maquoketa Valley Electric Cooperative	Measure Description	2013 Energy Filing					
				Accounts	Unit Quantity	Unit Description	Total Costs	kWh Savings	kW Savings
I. Incentive Programs for Energy Efficient Technologies									
		Residential Cooling & Heating (low income included)							
	1.1	ENERGY STAR Central Air Conditioning	the baseline efficient models.	101	101	A/C unit	$ 14,291	36,278	38
	1.2	ENERGY STAR Qualified Room Air Conditioner	the baseline efficient models.	15	15	A/C unit	$ 414	1,621	2
	1.3	Geothermal Heat Pump	the baseline efficient models.	73	85	Units	$ 125,004	1,094,307	39
	1.4	Air Source Heat Pump	the baseline efficient models.	51	53	Units	$ 29,630	382,636	13
	1.5	Heat Recovery Ventilators	Rebate for heat recovery ventilators.	22	22	Units	$ 3,035	13,675	-
	1.6	Residential Contractor Rebates	Incentive for heat pump installs	57	57	Homes	$ 12,580	-	-
		Residential Lighting (low income included)							
		Interior Lighting							
	2.1	Change a Light Rebate Program (or similar program)	Rebate for compact florescent light bulbs.	3,991	31,979	Lamps	$ 55,614	1,810,864	248
	2.2	Local CFL Rebate Program(s)	Rebate for compact florescent light bulbs.	63	269	CFLs	$ 940	17,366	14
	2.3	ENERGY STAR CFL Fixtures	fixtures.	11	35	Fixtures	$ 412	3,541	1
	2.4	T8 or better Lighting Fixtures	Rebate for T8 or better fixtures and bulbs.	24	108	Fixtures	$ 2,984	7,080	4
	2.5	ENERGY STAR LED lighting	Rebate for LED lighting.	203	2,632	Lamps/fixtures	$ 46,370	188,590	78
	2.6	ENERGY STAR Ceiling Fan	Rebate for ceiling fan and light fixture.	1	1	fixtures	$ 22	166	0
	2.7	CFL Recycling	bulbs.	-	-	per bulb	-	-	-
		Exterior Lighting							
	2.8	High Efficiency Exterior Lighting	sodium, metal halide or compact	25	60	fixtures	$ 2,547	44,323	1
	2.9	LED Holiday Lighting	Rebate for holiday lighting.	70	266	strings	$ 587	3,811	-
		Residential Water Heating (low income included)					-		
	3.1	High Efficiency Water Heater	heaters.	117	144	water heaters	$ 16,664	34,939	5
	3.2	Heat Pump Water Heater - (Add-On)	heater.	-	-	water heaters	-	-	-
	3.3	Heat Pump Water Heater - (Integrated)	heater.	10	10	water heaters	$ 5,518	19,121	2
	3.4	Solar Water Heaters (w/ Electric auxiliary tank)	Rebate for solar water heater.	-	-	water heaters	-	-	-
	3.5	Drain Water Heat Recovery System	system.	-	-	Units	-	-	-
	3.6	Flow Restrictors - Faucet	Incentive for faucet flow restrictors.	-	-	Units	-	-	-
	3.7	Flow Restrictors - Shower	Incentive for low-flow shower head.	-	-	Units	-	-	-
	3.8	Tank Insulation	Incentive for water heater tank insulation.	-	-	water heaters	-	-	-
	3.8	Pipe Insulation	Incentive for water pipe insulation.	-	-	Homes	-	-	-
		Residential Appliances (low income included)							
	4.1	ENERGY STAR Qualified Clothes Washer	Rebate for ENERGY STAR clothes washer.	299	299	Appliance Units	$ 18,617	66,803	27
	4.2	ENERGY STAR Qualified Dishwasher	Rebate for ENERGY STAR dishwasher.	142	142	Appliance Units	$ 3,918	16,589	14
	4.3	ENERGY STAR Qualified Refrigerator	Rebate for ENERGY STAR refrigerator.	328	328	Appliance Units	$ 9,049	34,341	4
	4.4	ENERGY STAR Qualified Dehumidifier	Rebate for ENERGY STAR dehumidifier.	39	39	Appliance Units	$ 1,076	9,155	1
	4.5	ENERGY STAR Qualified Freezer	Rebate for ENERGY STAR freezer.	91	91	Appliance Units	$ 2,511	6,720	1
	4.6	Appliance Recycling	Incentives for appliance recycling.	373	488	Appliance Units	$ 38,696	429,519	102
	4.7	Efficient Television	Rebate for efficient television.	96	96	Appliance Units	$ 4,238	15,870	4
	4.8	Smart Strip	Incentive for smart power supply strip.	-	-	Strips	-	-	-
		Efficient Home Incentives (low income included)							
	5.2	Energy Efficient Home Construction Rebates *	construction.	-	-	Homes	-	-	-
		Advanced Lighting Package		-	-	per home		-	-
		Additional Low Income							
	6.1	Energy Efficiency Kits	Energy efficiency kit for low-income.	-	-	Kits	-	-	-
	6.2	Weatherization Rebates	Rebates for various insulation measures.	-	-	Homes	-	-	-
		Building Shell - Existing Home Only							
	7.1	Weatherization Rebates	Rebates for various insulation measures.	25	38	Measures	$ 11,455	27,698	4
		RESIDENTIAL TOTALS					$406,171	4,265,013	602

			2013 Energy Filing					
	Maquoketa Valley Electric Cooperative	**Measure Description**	Accounts	Unit Quantity	Unit Description	Total Costs	kWh Savings	kW Savings
	Agriculture/Commercial & Industrial Lighting							
	Interior Lighting							
8.1	Change a Light Rebate Program	Rebate for compact florescent light bulbs.	445	3,625	Lamps	$ 6,301	530,365	28
8.2	High Efficiency Interior Lighting	CFLs, LEDS, florescent tubes, metal	114	1,601	Lamps/fixtures	$ 56,874	584,876	23
	Exterior Lighting							
9.1	High Efficiency Exterior Lighting	pressure sodium, metal halide or compact	-	-	Fixtures	-	-	-
	Ag/Commercial & Industrial Heating and Cooling							
10.1	ENERGY STAR Air Conditioning	conditioning.	-	-	tons	-	-	-
10.2	Air Cooled Chillers	Rebate for water cooled chillers.	-	-	tons	-	-	-
10.3	Water Cooled Chillers	Rebate for air cooled chillers.	-	-	tons	-	-	-
10.4	Geothermal Heat Pump	Rebate for geothermal heat pump.	-	-	tons	-	-	-
10.5	Air Source Heat Pump - (SEER 14.5, EER 12, HSPF 8.2)	Rebate for air source heat pump.	1	2	tons	$ 331	2,488	0
10.6	Heat Recovery Ventilators	Rebate for heat recovery ventilators.	-	-	tons recovered	-	-	-
10.7	Commercial Contractor Rebate (GS & AS)	heating and cooling equipment.	-	-	buildings	-	-	-
	Ag/Commercial & Industrial Water Heating							
11.1	High-Efficiency Water Heater	heaters.	-	-	water heaters	-	-	-
11.2	Heat Pump Water Heater	Rebate for heat pump water heater.	-	-	water heaters	-	-	-
11.3	Solar Water Heaters	Rebate for solar water heater.	-	-	water heaters	-	-	-
	Ag/Commercial & Industrial Appliances							
12.1	Commercial ENERGY STAR Refrigerators and Freezers	& freezers.	-	-	Appliances	-	-	-
	Ag/Commercial & Industrial Insulation							
13.1	Building Envelope	Rebates for insulation.	-	-	buildings	-	-	-
	Ag/Commercial & Industrial Motors							
14.1	Premium Motors Rebate Program - NEMA	Rebate for premium motors.	-	-	Horsepower	-	-	-
14.2	Variable Speed Drive Motor Incentive	Incentives for variable speed drive motors.	-	-	Horsepower	-	-	-
	Agricultural							
15.1	Dairy Pre-coolers Incentive	Rebate for dairy precoolers.	3	3	precoolers	$ 1,573	22,510	13
15.2	Dairy Heat Reclaimer	Rebate for dairy heat reclaimer.	2	2	reclaimers	$ 949	15,876	9
15.3	Livestock Ventilation Fans	Rebate for livestock ventilation fans.	7	19	fans	$ 1,776	8,042	3
15.4	Ventilation Thermostat Controller	controller.	-	-	controllers	-	-	-
15.5	Circulating Fans — BESS Lab Ratings	Rebate for circulating fans.	2	26	fans	$ 3,231	50,049	20
15.6	Scroll compressor (milk cooling)	Rebate for milk cooling scroll compressor.	1	1	compressors	$ 552	7,329	1
15.7	Efficient Livestock Waterers	Rebate for efficient livestock waterer.	3	10	waterers	$ 552	7,891	-
15.8	Premium Motors Rebate Program - Dairy Vacuum Pump	vacuum pumps.	-	-	motors	-	-	-
15.9	Variable Speed Drive Motor - Dairy Vacuum Pump	vacuum pumps.	5	5	VSDs	$ 2,207	43,202	4
15.10	Hog Farrowing - Heat Lamps (<= 175W)	Rebate for farrowing heat lamps.	-	-	lamps	-	-	-
15.11	Hog Farrowing - Single Crate Heating Pads (<=85W)	Rebate for single crate heating pads.	-	-	pads	-	-	-
15.12	Hog Farrowing - Double Crate Heating Pads(<=170W)	Rebate for double crate heating pads.	-	-	pads	-	-	-
15.13	Hog Farrowing - Heat Lamp or Pad Controller	Rebate for controller for heat pad or lamp.	-	-	controllers	-	-	-
	Ag/Commercial & Industrial Custom Rebates							
16.1	Custom Rebate Program		-	-	kWh	-	-	-
	NON-RESIDENTIAL TOTALS					$74,345	1,272,627	100
	TOTAL ENERGY EFFICIENCY PROGRAMS					$480,516	5,537,641	703

		Maquoketa Valley Electric Cooperative	Measure Description	2013 Energy Filing					
				Accounts	Unit Quantity	Unit Description	Total Costs	kWh Savings	kW Savings
II. Demand Response Programs									
	17.1	Water Heater Load Control	Load control of water heaters.	-	-	per account	-	-	-
	18.1	Water Heater Storage	Water heater storage.	-	-	per account	-	-	-
	19.1	Air Conditioning Load Control	Load control for air conditioning	-	-	per account	-	-	-
	20.1	Space Heating Load Control (Interruptible)	Load control for space heating.	-	-	per account	-	-	-
	21.1	Residential Time-of-Day Price	Residential time of day price.	-	-	per account	-	-	-
	22.1	and Air Conditioning	conditioning.	-	-	per account	-	-	-
	23.1	Dual-Fuel Space Heating	Duel fuel space heating	-	-	per account	-	-	-
	23.12	Automated Milking System (Robotic Milking)		2	5	per unit	$ 10,000	-	30
		Crop Drying							
	24.1	Off Peak Pricing	Crop drying off peak pricing.	-	-	per account	-	-	-
	24.2	Load Control	Crop drying load control.	-	-	per account	-	-	-
		Irrigation							
	25.1	Time of Use Pricing	Irrigation time of use prices.	-	-	per account	-	-	-
	25.2	Load Control	Irrigation load control.	-	-	per account	-	-	-
	26.1	Commercial and Industrial Time-of-Day Price	Price	-	-	per account	-	-	-
	27.1	Industrial Interruptible Price	Industrial Interruptible Price	-	-	per account	-	-	-
III. Energy Audit & Technical Support Programs									
	28.1	Expert Energy Services - Agricultural	Expert Energy Services - Agricultural	-	-	per account	-	-	-
	29.1	Expert Energy Services - C&I	Industrial.	-	-	per account	-	-	-
	30.1	Energy Audit Services - Residential *	Energy Audit Services - Residential	-	31	per account	$ 6,910	-	-
IV. Educational & Research Programs									
	31.1	Model Housing Education	Model housing education.	1	1	per account	$ 5,000	-	-
	32.1	Domestic Water Heater Enhancement	Domestic Water Heater Enhancement	-	-	per account	-	-	-
	33.1	Member Information and Education	Member Information and Education	12,636	12,636	per account	$ 45,439	-	-
	34.1	Peak Alert	Peak Alert	-	-	-	-	-	-
	35.1	Living with Energy in Iowa	Living with Energy in Iowa magazine.	-	-	-	-	-	-
	36.1	Iowa Energy Center and Center for Global Regional Environmental Research & Cooperative Research Network	Economic contributions to Iowa Energy Center and Center for Global Regional Environmental Research & Cooperative Research Network	12,636	12,636	-	$ 30,218	-	-
		TOTALS					$578,083	5,537,641	733
		TOTAL 2013 KWH SALES						279,477,508	
		TOTAL SAVINGS AS PERCENT OF SALES						1.98%	

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		Maquoketa Valley Electric Cooperative	Measure Description	2014 Energy Filing					
				Accounts	Unit Quantity	Unit Description	Total Costs	kWh Savings	kW Savings
I. Incentive Programs for Energy Efficient Technologies									
		Residential Cooling & Heating (low income included)							
	1.1	ENERGY STAR Central Air Conditioning	baseline efficient models.	119	125	A/C unit	$ 18,014	45,438	48
	1.2	ENERGY STAR Qualified Room Air Conditioner	baseline efficient models.	11	11	A/C unit	$ 452	1,229	1
	1.3	Geothermal Heat Pump	baseline efficient models.	75	84	Units	$ 118,393	1,094,307	39
	1.4	Air Source Heat Pump	baseline efficient models.	32	36	Units	$ 19,822	250,062	7
	1.5	Heat Recovery Ventilators	Rebate for heat recovery ventilators.	36	36	Units	$ 5,082	22,377	-
	1.6	Residential Contractor Rebates	Incentive for heat pump installs	48	48	Homes	$ 10,843	-	-
		Residential Lighting (low income included)							
		Interior Lighting							
	2.1	Change a Light Rebate Program (or similar program)	Rebate for compact florescent light bulbs.	3,447	27,623	Lamps	$ 48,189	1,535,783	210
	2.2	Local CFL Rebate Program(s)	Rebate for compact florescent light bulbs.	37	354	CFLs	$ 2,958	22,238	3
	2.3	ENERGY STAR CFL Fixtures	Rebate for compact florescent light fixtures.	4	18	Fixtures	$ 194	1,131	0
	2.4	T8 or better Lighting Fixtures	Rebate for T8 or better fixtures and bulbs.	151	2,249	Fixtures	$ 36,212	152,621	21
	2.5	ENERGY STAR LED lighting	Rebate for LED lighting.	195	2,614	Lamps/fixtures	$ 32,799	178,615	20
	2.6	ENERGY STAR Ceiling Fan	Rebate for ceiling fan and light fixture.	1	2	fixtures	$ 45	240	0
	2.7	CFL Recycling	Recycling of compact florescent light bulbs.	-	-	per bulb	-	-	-
		Exterior Lighting							
	2.8	High Efficiency Exterior Lighting	sodium, metal halide or compact florescent)	62	121	fixtures	$ 4,190	71,667	1
	2.9	LED Holiday Lighting	Rebate for holiday lighting.	52	376	strings	$ 849	5,937	-
		Residential Water Heating (low income included)							
	3.1	High Efficiency Water Heater	heaters.	97	124	water heaters	$ 14,570	29,803	4
	3.2	Heat Pump Water Heater - (Add-On)	Rebate for add-on heat pump water heater.	-	-	water heaters	-	-	-
	3.3	Heat Pump Water Heater - (Integrated)	heater.	21	21	water heaters	$ 11,859	40,155	5
	3.4	Solar Water Heaters (w/ Electric auxiliary tank)	Rebate for solar water heater.	-	-	water heaters	-	-	-
	3.5	Drain Water Heat Recovery System	Rebate for drain water heat recovery system.	-	-	Units	-	-	-
	3.6	Flow Restrictors - Faucet	Incentive for faucet flow restrictors.	-	-	Units	-	-	-
	3.7	Flow Restrictors - Shower	Incentive for low-flow shower head.	-	-	Units	-	-	-
	3.8	Tank Insulation	Incentive for water heater tank insulation.	-	-	water heaters	-	-	-
	3.8	Pipe Insulation	Incentive for water pipe insulation.	-	-	Homes	-	-	-
		Residential Appliances (low income included)							
	4.1	ENERGY STAR Qualified Clothes Washer	Rebate for ENERGY STAR clothes washer.	170	170	Appliance Units	$ 11,147	39,370	16
	4.2	ENERGY STAR Qualified Dishwasher	Rebate for ENERGY STAR dishwasher.	88	88	Appliance Units	$ 2,485	10,280	9
	4.3	ENERGY STAR Qualified Refrigerator	Rebate for ENERGY STAR refrigerator.	203	203	Appliance Units	$ 5,732	21,254	2
	4.4	ENERGY STAR Qualified Dehumidifier	Rebate for ENERGY STAR dehumidifier.	32	32	Appliance Units	$ 904	7,512	1
	4.5	ENERGY STAR Qualified Freezer	Rebate for ENERGY STAR freezer.	64	64	Appliance Units	$ 1,807	4,726	1
	4.6	Appliance Recycling	Incentives for appliance recycling.	260	301	Appliance Units	$ 20,760	280,493	61
	4.7	Efficient Television	Rebate for efficient television.	84	84	Appliance Units	$ 3,795	13,886	4
	4.8	Smart Strip	Incentive for smart power supply strip.	-	-	Strips	-	-	-
		Efficient Home Incentives (low income included)							
	5.2	Energy Efficient Home Construction Rebates *	construction.	-	-	Homes	-	-	-
		Additional Low Income							
	6.1	Energy Efficiency Kits	Energy efficiency kit for low-income.	-	-	Kits	-	-	-
	6.2	Weatherization Rebates	Rebates for various insulation measures.	-	-	Homes	-	-	-
		Building Shell - Existing Home Only							
	7.1	Weatherization Rebates	Rebates for various insulation measures.	35	35	Measures	$ 12,449	31,672	4
		RESIDENTIAL TOTALS					**$383,550**	**3,860,798**	**457**

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		Maquoketa Valley Electric Cooperative	Measure Description	2014 Energy Filing					
				Accounts	Unit Quantity	Unit Description	Total Costs	kWh Savings	kW Savings
		Agriculture/Commercial & Industrial Lighting							
		Interior Lighting							
	8.1	Change a Light Rebate Program	Rebate for compact florescent light bulbs.	380	3,127	Lamps	$ 5,461	449,990	24
	8.2	High Efficiency Interior Lighting	CFLs, LEDS, florescent tubes, metal halide)	127	1,757	Lamps/fixtures	$ 62,280	479,743	23
		Exterior Lighting							
	9.1	High Efficiency Exterior Lighting	pressure sodium, metal halide or compact	-	-	Fixtures	-	-	-
		Ag/Commercial & Industrial Heating and Cooling							
	10.1	ENERGY STAR Air Conditioning	Rebate for ENERGY STAR air conditioning.	1	13	tons	$ 367	1,177	1
	10.2	Air Cooled Chillers	Rebate for water cooled chillers.	-	-	tons	-	-	-
	10.3	Water Cooled Chillers	Rebate for air cooled chillers.	-	-	tons	-	-	-
	10.4	Geothermal Heat Pump	Rebate for geothermal heat pump.	-	-	tons	-	-	-
	10.5	Air Source Heat Pump - (SEER 14.5, EER 12, HSPF 8.2)	Rebate for air source heat pump.	3	7	tons	$ 1,186	11,352	1
	10.6	Heat Recovery Ventilators	Rebate for heat recovery ventilators.	-	-	tons recovered	-	-	-
	10.7	Commercial Contractor Rebate (GS & AS)	and cooling equipment.	-	-	buildings	-	-	-
		Ag/Commercial & Industrial Water Heating							
	11.1	High-Efficiency Water Heater	heaters.	-	-	water heaters	-	-	-
	11.2	Heat Pump Water Heater	Rebate for heat pump water heater.	-	-	water heaters	-	-	-
	11.3	Solar Water Heaters	Rebate for solar water heater.	-	-	water heaters	-	-	-
		Ag/Commercial & Industrial Appliances							
	12.1	Commercial ENERGY STAR Refrigerators and Freezers	freezers.	-	-	Appliances	-	-	-
		Ag/Commercial & Industrial Insulation							
	13.1	Building Envelope	Rebates for insulation.	-	-	buildings	-	-	-
		Ag/Commercial & Industrial Motors							
	14.1	Premium Motors Rebate Program - NEMA	Rebate for premium motors.	-	-	Horsepower	-	-	-
	14.2	Variable Speed Drive Motor Incentive	Incentives for variable speed drive motors.	-	-	Horsepower	-	-	-
		Agricultural							
	15.1	Dairy Pre-coolers Incentive	Rebate for dairy precoolers.	7	7	precoolers	$ 3,270	45,732	26
	15.2	Dairy Heat Reclaimer	Rebate for dairy heat reclaimer.	1	1	reclaimers	$ 542	8,861	5
	15.3	Livestock Ventilation Fans	Rebate for livestock ventilation fans.	-	-	fans	-	-	-
	15.4	Ventilation Thermostat Controller	Rebate for ventilation thermostat controller.	-	-	controllers	-	-	-
	15.5	Circulating Fans --- BESS Lab Ratings	Rebate for circulating fans.	2	9	fans	$ 1,400	18,674	7
	15.6	Scroll compressor (milk cooling)	Rebate for milk cooling scroll compressor.	2	2	compressors	$ 847	10,993	1
	15.7	Efficient Livestock Waterers	Rebate for efficient livestock waterer.	-	-	waterers	-	-	-
	15.8	Premium Motors Rebate Program - Dairy Vacuum Pump	pumps.	-	-	motors	-	-	-
	15.9	Variable Speed Drive Motor - Dairy Vacuum Pump	vacuum pumps.	9	9	VSDs	$ 4,337	82,948	8
	15.10	Hog Farrowing - Heat Lamps (<= 175W)	Rebate for farrowing heat lamps.	-	-	lamps	-	-	-
	15.11	Hog Farrowing - Single Crate Heating Pads (<=85W)	Rebate for single crate heating pads.	-	-	pads	-	-	-
	15.12	Hog Farrowing - Double Crate Heating Pads(<=170W)	Rebate for double crate heating pads.	-	-	pads	-	-	-
	15.13	Hog Farrowing - Heat Lamp or Pad Controller	Rebate for controller for heat pad or lamp.	-	-	controllers	-	-	-
		Ag/Commercial & Industrial Custom Rebates							
	16.1	Custom Rebate Program		3	972,160	kWh	$ 87,456	972,160	145
		NON-RESIDENTIAL TOTALS					**$ 167,147**	**2,081,630**	**240**
		TOTAL ENERGY EFFICIENCY PROGRAMS					**$ 550,696**	**5,942,429**	**697**

		Maquoketa Valley Electric Cooperative	Measure Description	2014 Energy Filing					
				Accounts	Unit Quantity	Unit Description	Total Costs	kWh Savings	kW Savings
II. Demand Response Programs									
	17.1	Water Heater Load Control	Load control of water heaters.	-	-	per account	-	-	-
	18.1	Water Heater Storage	Water heater storage.	-	-	per account	-	-	-
	19.1	Air Conditioning Load Control	Load control for air conditioning	-	-	per account	-	-	-
	20.1	Space Heating Load Control (Interruptible)	Load control for space heating.	-	-	per account	-	-	-
	21.1	Residential Time-of-Day Price	Residential time of day price.	-	-	per account	-	-	-
	22.1	Conditioning	conditioning.	-	-	per account	-	-	-
	23.1	Dual-Fuel Space Heating	Duel fuel space heating	-	-	per account	-	-	-
	23.12	Automated Milking System (Robotic Milking)		4	8	per unit	$ 13,160	-	48
		Crop Drying							
	24.1	Off Peak Pricing	Crop drying off peak pricing.	-	-	per account	-	-	-
	24.2	Load Control	Crop drying load control.	-	-	per account	-	-	-
		Irrigation							
	25.1	Time of Use Pricing	Irrigation time of use prices.	-	-	per account	-	-	-
	25.2	Load Control	Irrigation load control.	-	-	per account	-	-	-
	26.1	Commercial and Industrial Time-of-Day Price	Commercial and Industrial Time-of-Day Price	-	-	per account	-	-	-
	27.1	Industrial Interruptible Price	Industrial Interruptible Price	-	-	per account	-	-	-
III. Energy Audit & Technical Support Programs									
	28.1	Expert Energy Services - Agricultural	Expert Energy Services - Agricultural	-	-	per account	-	-	-
	29.1	Expert Energy Services - C&I	Industrial.	-	-	per account	-	-	-
	30.1	Energy Audit Services - Residential *	Energy Audit Services - Residential	-	-	per account	$ 9,560		
IV. Educational & Research Programs									
	31.1	Model Housing Education	Model housing education.	-	-	per account	-	-	-
	32.1	Domestic Water Heater Enhancement	Domestic Water Heater Enhancement	-	-	per account	-	-	-
	33.1	Member Information and Education	Member Information and Education	12,660	12,660	per account	$ 38,086	-	-
	34.1	Peak Alert	Peak Alert	-	-	per account	-	-	-
	35.1	Living with Energy in Iowa	Living with Energy in Iowa magazine.	-	-	N/A	-	-	-
	36.1	Iowa Energy Center and Center for Global Regional Environmental Research & Cooperative Research Network	Center and Center for Global Regional Environmental Research & Cooperative Research Network	12,660	12,660	per account	$ 31,095	-	-
		TOTAL					**$ 642,598**	**5,942,429**	**745**
		TOTAL 2014 KWH SALES						**285,074,756**	
		TOTAL SAVINGS AS PERCENT OF SALES						**2.08%**	